



MAHATMA GANDHI MISSION's
DENTAL COLLEGE AND HOSPITAL

(Recognized by Dental Council of India, Affiliated to Maharashtra University of Health Sciences, Nashik)

SECTOR - 1, KAMOTHE, NAVI MUMBAI

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SELF STUDY REPORT

VOLUME - I

Cycle - 1

PROFILE OF THE INSTITUTION AND CRITERIA WISE INPUTS

REPORT SUBMITTED TO THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

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“Education, which does not mould the character is absolutely worthless”

- M.K. Gandhi

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Mahatma Gandhi Mission Trust

Chairman	Shri Kamal Kishor Kadam M. Tech, IIT (BOM)
Vice-Chairman	Dr. P. M. Jadhav FRCS
Secretary	Shri Ankush N. Kadam BE
Trustee	Shri Prataprao Borade ME
Treasurer	Dr. S. N. Kadam FRCP
Trustee	Shri U. N. Kadam BE
Trustee	Dr. N. N. Kadam MD

Local Governing Council

M G M Dental College & Hospital, Navi Mumbai

Chairperson	Shri Kamal Kishor Kadam M. Tech, IIT (BOM)
Secretary's Nominee	Dr. S. N. Kadam FRCP
Management Nominee	Dr. P. M. Jadhav FRCS
Management Nominee	Dr. N. N. Kadam MD
Management Nominee	Dr. Seema Anjenaya
Elected Teacher of Institution	Dr. Vanitha Shenoy
Elected Teacher of Institution	Dr. Srivalli Natarajan
Elected Teacher of Institution	Dr. Jyoti Nadgere
Elected Non-Teaching Employee of institution	Cdr. (Retd.) Balbir Singh
Principal Member Secretary	Dr. Sabita M. Ram

The Mahatma Gandhi Mission Trust

The Mahatma Gandhi Mission Trust was established on 20th December, 1982 with a futuristic vision to provide qualitative education by applying innovative and dynamic pedagogical techniques. Since inception, the Trust has focused on providing health care services, school education and higher education with dedication and commitment. The MGM Trust was established in Nanded, (Maharashtra) and in the course of time it extended its services to Aurangabad, Navi Mumbai and Parbhani in Maharashtra and Noida (New Delhi) in UP. A chain of Schools and institutions for Engineering, Architecture, Medical, Nursing, Management, Computer Science and IT, Bioinformatics and Biotechnology, Fine Arts and Journalism stand testimony to the endeavors of the Trust. The MGM has been instrumental in promoting Classical Dance and Music for art seekers. The Trust has also paid heed to the aspect of physical fitness by converting a vast expanse of land into a sports complex with multiple amenities and sports equipments. MGM's lush green and serene campuses are conducive to create a peaceful learning atmosphere.

Service to society at the grass root level has been the basic vocation of the Trust along with education. The Trust has been instrumental in providing prompt and efficient health care services to the economically weaker sections of the society. The Trust Hospitals and Medical colleges underscore its commitment to human resource development and social health and welfare. The Trust has made phenomenal progress under the able leadership of the founders led by Chairman, Hon. Shri. Kamal Kishore Kadam, Ex-Education Minister, Maharashtra Government. All the founder members are hard core academicians and visionaries inspired by Late Shri Nanasaheb Kadam, an ardent follower of the Gandhian ideology.

The recipient of International Environment Trophy, MGM continues its journey, imparting value based services, creating global technocrats and health care personnel under the able leadership of its trustees.



**MAHATMA GANDHI MISSION's
DENTAL COLLEGE AND HOSPITAL
KAMOTHE, NAVI MUMBAI**

NAAC STEERING COMMITTEE

Sr. No.	Name of the member	Designation
1	Dr. Sabita M.Ram	Chair person
2	Dr. Srivalli. N	Co-ordinator
3	Dr. Vanitha U. shenoy	Member
4	Dr. Vineet Kini	Member
5	Dr. Jigna Patak	Member
6	Dr. Jyoti Nadgere	Member
7	Dr. Ravindranth	Member
8	Dr. Ashvini Padhye	Member
9	Dr. Md. Moizuddin Khan	Member



PREFACE

The Mahatma Gandhi Mission's Dental College and Hospital was constituted in the year 2003 under the overall administration of the MGM Trust. It is wedded to the vision of nurturing trained professional manpower and transforming them into a receptive work force to meet the ever changing and ever demanding needs in the field of dental care and management.

The college aspires to become a model of professional excellence which includes good will, social interaction, health awareness and ethical values, promoting learning, teaching and assessment system.

Nurturing a conducive research environment is an essential prerequisite for the positive advancement of a nation. This also forms the main guiding principle of this institution.

True dental education and health service, as in other fields, is monitored and guided by the ever demanding regional and national needs. This institution is steered by this spirit of change to be in its forefront. The effort in this direction embodies an insatiable thirst for the state of the art in dental profession, constant engagement of the student mind in this direction, recognition of excellence, creating future leaders and in short for being an unrivalled leader amongst leaders.

The college is committed to the values of the National Assessment and Accreditation Committee (NAAC). It strongly believes in the tools and measures developed by the same.

The management, faculty, students and other stake holders are looking forward to meaningful and rewarding interaction with the NAAC Peer Group, which will further intensify its thirst in the quest for excellence.

The following pages constituting the Self Study Report (SSR) as part of the presentation to the NAAC, is the outcome of the tireless and painstaking efforts of the steering committee and staff as a whole, who have collected and collated the relevant and required data and presented the same in a befitting manner.

The MGM Dental College and Hospital, in its efforts to be a leading light in the field of dental education and profession, is sure to succeed and achieve its professed mission, goal and objectives.

Dr. Srivalli N.
Co-ordinator, Steering Committee

Dr. Vanitha U. Shenoy
Deputy Dean



THE DEAN'S MESSAGE

The Mahatma Gandhi Mission's Dental College and Hospital was established in 2003 with a view to serve the community and promote oral health care, prevent oral health diseases and uplift the dental health of the population of Navi Mumbai and rural areas, by imparting quality dental health education.

The first batch was admitted in 2003. The college has slowly and steadily grown into an institution with specialised faculty, state of the art infra-structure, and increased inflow of patients with each passing year. It has a well equipped library with journals, books and online access to dental literature.

The college commenced its post-graduate courses in the year 2010. The courses have been highly appreciated and the students select the institution for their post-graduate studies. All admissions are given as per merit basis.

The college has a conducive environment for teaching, learning and research. At the institution we have a blend of scientific, cultural and extra-curricular activities for the overall growth and development of the student.

The Gandhian philosophy of simple living and high thinking is instilled in the student at every stage of their growth. Service to the underprivileged is the motto of the institution which is very well implemented by setting up five rural satellite centres.

The institution encourages its students for research and scientific presentations in conferences to build an atmosphere of research. The faculty and students are encouraged to publish papers in national and international journals of repute. The institution has been publishing its peer reviewed indexed journal consistently for the past four years. The staff is inspired to pursue cutting edge, interdisciplinary research targeted to prevent oral and maxillofacial diseases.

I am proud that the dental college faculty has put in a lot of effort to work unitedly towards the assessment and accreditation by NAAC with a passion to learn and upgrade their knowledge which would further help in the growth of the institution.

With the inspiration, guidance and support of Dr. S.N. Kadam, Dr.P.M. Jadhav and Dr. M.M. Khan, the untiring efforts of especially Dr. Vanitha U. Shenoy, Dr. Srivalli N, all Heads of departments and the staff, the Self Study Report for the NAAC has been prepared.

The Dental College is ready to take up new challenges and endeavours. The journey is never complete as each step forward in the right direction would make us evolve as an Institution.

Dr. Sabita M. Ram
Dean



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EXECUTIVE SUMMARY

The Mahatma Gandhi Mission's Trust was established on 20th December, 1982. The Trust has focused on providing health care services, school education and higher education with dedication and commitment. The Trust has established a chain of institutions ranging from primary and secondary schools to centers of higher education for diverse specialities which reflects their commitment and involvement in education.

Realizing the dearth of trained dental health care professionals to cater to the needs of the community, the Trust conceptualized the establishment of a Dental College And Hospital. The Mahatma Gandhi Mission's Dental College and Hospital under the management of the Mahatma Gandhi Mission trust was started on 8th Sept. 2003 for the Bachelor of Dental surgery course and was recognized by the Dental Council of India in the year 2007. Since then the institution has shown an upward trend by introducing the post graduate degree courses in various specialties, appointing proficient faculty, enhancing infrastructure, patient care and contributing to research.

The institution envisages creating dental health professionals, embodied with the light of knowledge and spirit of compassion. The objective of the institution is to equip the future dentists with comprehensive skill sets and expertise, raise the standards of dental health education, address patient concerns empathetically, encourage research and enhance awareness of moral and ethical values among dental health professionals thus laying the foundation for future leaders in the field.

The college is governed by provisions of The Dental Council of India and is affiliated to the Maharashtra University of Health Science Nashik. The Local Governing council is the principal authority serving as a link between the management and the institution for making recommendations for holistic up-grading and functioning of the institution.

The Internal Quality Assurance Cell (IQAC) and the College Council are the primary bodies of the institution which are responsible for the maintenance of the standards of education, teaching, learning, evaluation and research.

The primary purpose of the institution to undergo the process of assessment and accreditation is the desire to self-evaluate its performance, to enable it to identify its strengths, weakness, opportunities and areas that need up-gradation, in order to become globally competent and to meet the needs of the future, in terms of dental education, research and patient management. A steering committee was constituted to compile the self study report.

The Self Study Report has given scope for serious introspection by the institution to analyze present performance and plan for the future. The report submitted to the NAAC presents the institutional achievements, proficiency, limitations and proposed area of improvement relating to the all-round development of the college as an institution of excellence.

Criterion - I: Curricular Aspects: -

- The Dental College being an affiliated college of Maharashtra University of Health Science adheres strictly to regulations of statutory bodies like Dental Council Of India (DCI) and Maharashtra University of Health Science (MUHS) and provide curricula that are well defined.
- Three tier feedback system on curriculum is received from students, teachers and alumni, which is regularly analyzed by the head of the departments and suggestions put forth to the IQAC of the institution. The IQAC after in-depth consideration of the feasibility and the possible benefits of the proposed changes forwards it to the university.
- Suggestions from the stake holders, industry, national and international faculty visiting the Institution for examinations and conferences is taken for a time based revision of curriculum, based on the local, regional and global needs and changing trends in dentistry.
- Our main thrust in improving curriculum has been towards ensuring and enhancing quality of dental education and training at all levels and making this student centric.
- It is mandatory for teachers to undergo a formal teachers training program and a research methodology and biostatistics workshop, conducted by the Medical Education Technology Cell of the Maharashtra University of Health Sciences. This orients the teachers to the teaching, learning and evaluation systems and enables them to teach effectively and suggest changes in the curriculum.
- At the institutional level along with the regular fulfillment of curriculum, academic flexibility is enabled by holding integrated lectures, clinico-pathological meetings and interdisciplinary interactions between specialties.
- Holding special classes for vernacular medium students, remedial lectures for the slow learners and lectures on ethical and moral values during the white coat ceremony to develop the overall performance and core values in students.
- The university has introduced communication skills and modified the practical examination pattern to meet the requirement of the current trend. A value added program of Dale Carnegie “Skills for Success”- communication skills and management of patients has been introduced at the institution level. Thrust on knowledge, skills, compulsory hands on experience, field work and practical training has become an integral part of the teaching program and has led to curriculum enrichment.
- In addition to curricular reforms, Yoga and meditation have been introduced for peace, concentration and overall health and well being of the students and faculty. Peace day celebrations are held to inculcate respect for each other’s religion and bring about national integration.

Criterion-II: Teaching-Learning and Evaluation:-

- The admission process is made transparent and is done by competent authority of Association of Management of Unaided Private Medical and Dental Colleges (AMUPMDC) as per Supreme Court guidelines.
- All admissions are done through a National Level Common Entrance Test (CET) with ample media coverage and advertisements by AMUPMDC. Admission is based strictly on merit basis through open counselling process.
- The Institution organises induction and orientation programs for the newly admitted students in which the faculty discusses curriculum, exam evaluation and academic calendar. A week long extensive orientation program continues including communication

skills, etiquettes, library tour and medical ethics. A Counselling Cell with a counselor is available on campus to help counsel the fresher's and other students requiring the need for it. Anti Ragging and Mentorship Programs are explained to the students.

- The differential requirement of the student's population is analyzed after admission and before the commencement of classes. Based on the analysis the institution takes extra measures to support students from other states by giving training for local language and providing regional food. Information regarding educational loans and organizations for financial aid is provided to students hailing from poor economical background.
- Students from vernacular medium attend English classes which help to increase their proficiency and confidence to enhance their academic performance. Students from other states and countries attend Marathi classes till they gain some minimum level of proficiency to converse with the patients and localites. The needs of the slow learners are met with by conducting remedial classes, assigning practice worksheets, peer assisted learning and counselling by mentors. The advanced learners are provided with opportunities to participate in class room seminars, debates, prepare and submit projects as well as motivated to take up scientific presentations.
- Learning is made student centric by involving and taking feedback from the students in planning and preparing the Academic Calendar following the MUHS guidelines. In addition to the conventional class room teaching the institution strongly believes in the participatory and interactive teaching for greater effectiveness.
- Some of the innovative teaching strategies followed towards the same include problem based learning, reflective learning, case discussion, chair side interaction and evidence based learning.
- The college facilitates and enhances its teaching, learning and evaluation process by information and Computer technology with internet and Wi-Fi facility. At every stage, students are exposed to e-learning as well as integrated teaching to the maximum possible extent.
- The teaching through visits of students to other institutions, clinics and laboratories is encouraged to widen the horizon. Clinical teaching is also enhanced by extension and out reach programs during community service.
- White coat ceremony introduced for clinical orientation prior to induction into the clinics with special emphasis on communication skills, ethics and sterilization protocols enhances the student performance.
- The Local governing council ensures the induction of faculty having excellence in their respective field of specializations who impart professional training to students. Continuous efforts are made for improving the teacher's quality through knowledge and skill upgradation strategies, by encouraging the faculty to attend conferences, workshops, continuing education programs which makes them impart quality education to students instilling into them the quality of innovation and research.
- Micro-teaching for newly appointed staff is conducted to assess their teaching skills and feedback is given for improvement. Every teacher has to undergo training by the Dental Education Technology Cell of the College and workshop conducted by the Medical Educational Technology Cell of the MUHS.
- Students feed-back is regularly obtained on the teacher performance and analyzed by the Head of Department and if needed referred to the IQAC for teacher counselling.

- The evaluation system is based strictly as per the Statutory Bodies' Guidelines. External Examiners are selected mostly from outside the State as well as from reputed Dental Institutions. The whole examination process is fully transparent and secure and results are published within one month of the conclusion of the examination.
- Continuous Evaluation is the motto of the institution to help students keep up with the teaching and learning process. As an initiative towards the same the institution has introduced a formative assessment scheme after each topic and for small clinical skill sets. This venture helps the teacher to assess the level of understanding of the students of each topic and initiate remedial measures if any required.
- Evaluation blue-print is prepared by each department by keeping in mind the syllabus, the must know, desirable and the nice to know topics. Due weightage is given to each topic considering its frequency of occurrence and clinical importance as decided in the faculty departmental meeting.
- Introduction of Objective Structured clinical examination (OSCE)/ Objective Structured Practical examination (OSPE) has been initiated for evaluation.
- Awards are bestowed on students who have excelled in their academic endeavors.
- Academic calendar is planned meticulously with course, master, teaching, unit plan and rotation postings. In order to achieve the desired learning outcomes, Standard operating procedures (SOP) for preclinical and clinical exercises undertaken by the students, are handed over prior to carrying out any procedure. This acts as a guide for the students to perform the procedures and creates interest in learning and patient management. Not only making students good Dentists but responsible citizens with moral and ethical values is ensured by including value based courses in the teaching.

Criterion-III: Research, Consultancy and Extension: -

- This institution believes that teaching and research in higher education has a symbiotic relationship. Quality of higher education can only be maintained if there exists a strong component of research.
- An Institutional Research Recognition Committee is in place for accepting proposals of research and monitors, co-ordinates, controls and facilitates research activities. Institutional Ethics Review Committee MGDCH oversees and grants clearance to the scientific projects. These committees also monitor any malpractice or plagiarism and take action whenever necessary.
- Several projects in the clinical and Para-clinical Sciences have been undertaken independently as well as in collaboration with bodies of National and International repute in research like BARC and IIT-Mumbai. The institution has made significant contribution in the form of sponsored research projects.
- Faculty and Postgraduates take up topics of interest to enhance treatment to community and bring about improvement in material sciences. Undergraduate students are also encouraged to undertake research activities and present at conferences.
- A number of awards have been bestowed on the staff, students at national and international conferences.
- A day is dedicated as the "Scientific day" during the annual college fest, in which inter-collegiate competitions are held where the Post Graduates and Under Graduates are invited to present posters, papers and table-clinics.
- The research carried out at the institution is presented on an ear marked day: "Dr. APJ Abdul Kalam day", to show case the research activities being carried out at the

institution and share knowledge with internal faculty and faculty from other institutions.

- The Institution has framed a well defined research policy under which there is a provision of separate budget for Research. The institution provides seed money for various research projects. Grants are given to faculty, Under Graduates and Post Graduates students for their research projects/ dissertations. Financial support is also provided for presenting paper in national and international conferences and publication of their work in journals of repute. Besides the above, it may be important to mention that the college also encourages and facilitates the submission of proposals to various funding agencies.
- The student and faculty research scholars have complete access to infrastructural facilities, hostel and library resources. The institution is Wi-Fi enabled which helps easy access to data.
- The library is well stocked with books, journals, back-issue journals, online data base to have access to scientific literature for research reference.
- The Institution has the support of state of the art laboratories in various areas of advanced biomedical research: central research laboratory, 'PROTEOMICS' lab, Medical Nanotechnology and Molecular Biology Lab, Genetic Research Lab, MGMIHS Research Lab, Navi Mumbai and Biotechnology Research Lab, Aurangabad.
- The Institution regularly publishes its scientific Journal named "Journal of contemporary Dentistry". It also publishes news letter with its sister concern MGMIHS university. The Journal has been published regularly for the past 4 years. It has been indexed in Copernicus, Google Scholar, HINARI, Open J Gate, Ulrich, EBSCO, Pro Quest, Genamics journal Seek, Cite Factor, SIS.
- The faculty are encouraged to publish their original research work in peer reviewed indexed journals. In the Masters program the post graduates have to publish one research publication in peer reviewed journal before the final examination.
- The institution inculcates the values of service to the community by extension activities and social responsibilities towards the under privileged, physically and mentally challenged. The Aasha Workers and School Teachers are enlightened on the importance of oral hygiene and preventive measures to be taken. They are also trained to train the school students in the maintenance of oral hygiene and preventive measures to be taken to enhance oral health care.
- Anti-tobacco drives highlighting the ill-effect of tobacco are conducted and counselling on tobacco cessation is done, during which tobacco related pre-cancerous and cancerous conditions are detected. The data obtained is utilized for further counselling and censes for the government.
- The Institution receives consultation fees from the Maaya foundation for rehabilitation of cleft lip and palate, Histopathological reporting of biopsies from private practitioners and for consultation on design and manufacture of indigenous dental implants from BARC and MGM Institution of Technology. The faculty also provides by feedback on products and dental materials including surgical supplies provided by industry, oral B for the efficacy of tooth brushes and treatment consultation to the children of the Helen Keller institution.
- The institution has good linkages and collaborations with industries and other national and international institutions.

Criterion-IV: Infrastructure and Learning Resources: -

- The institution has 5 acres of land with 20,961 sq mt constructed area, which comprises

of the administrative block, well laid out departments, auditorium and class rooms with audio visual facilities. It has an attached Medical College and Hospital with specialty and super specialty services and Central Research Laboratory for basic Science Research.

- The Departments are well equipped with the required number of dental chairs, special equipments for carrying out specialty procedures and rendering quality treatment to patients. The institution has well equipped dental laboratories with facilities for teaching, hands-on training and fabrication of prosthesis and restorations.
- The five rural satellite dental centers are also equipped with dental chairs and units to carry out treatment for the community. The institution has a mobile dental van which enables the institution to carryout treatment for patients in remote areas.
- The dental college library is spacious, well stocked with the latest books, national and international journals, back issue volumes for reference, e-library, internet along with xerox facility. Educational CD's, DVD's on dental technology and procedures are available.
- The boys and girls hostels, provides a conducive environment and also serves as a serene place of residence to the students, much to the solace of parents. The campus has staff quarters, guest house, cafeterias, spacious playgrounds and gymnasium.
- In addition to Administrative Blocks, the college has an auditorium with seating capacity of 500 for mass assembly and functions. There is all round security for the campus with CCTV surveillance for safety and security.
- The institution has an IT department, which helps in maintenance of the computer systems. Information Technology is deployed for teaching, learning, academic activities and administration. With the Wi-Fi and internet facilities, access to e-resources and information on current and relevant issues for updating knowledge, research and learning is enabled.
- All important instruments and equipments in the departments, laboratories and hospitals are maintained by comprehensive and/or annual maintenance contracts.
- The budgetary provision for continuous accelerated development of the infrastructure is being properly utilized. The maintenance of the infrastructural facilities is carried out through well established maintenance systems and procedures. The institution is continuously trying to upgrade the infra-structure to meet the emerging trends in dentistry.

Criterion-V: Student Support and Progression: -

- The MGM Trust and local governing council strongly believes that its primary stakeholders are students. The institution tries to realize its vision and mission centering on student empowerment, Accordingly, the college has implemented suitable supporting steps and facilities for the benefit of students.
- This institution has a mentoring system in place for individualised care and concern of students. Here the staff mentors a group of students for academic performance, attendance and personal issues. Mentors keep complete record of mentees and put it for information and action to the college council. The institution has also introduced the "Buddy mentoring" program, where students are allocated to interns who monitor them and give feedback to the college council on their performance which is reflected in better academic outcomes and communication between peers.
- Parent-teacher meets are organized regularly to give feed-back on the students performance and take suggestions from them.

- The institution has a registered Alumni Association which gives feed-back, supports placement and participates in the college activities and continuing education programs.
- Slow learners and under achievers are specially taken care of. They are continuously mentored, counseled, encouraged and motivated to improve their performance by their mentors and HOD's. Their personal difficulties, if any, are resolved. Rapid learners get constant encouragement. Various awards and medals have been instituted for students who excel in academics and extracurricular activities.
- Various committees have been constituted for the welfare of the students such as: Grievance Redressal Committee, Anti-Ragging Committee, Students Council Advisory Committee, Anti Sexual Harassment of Women at Work Place Committee, Cultural Activities Committee, Sports Committee and so on. Lectures on cyber crime and safety of women are held to sensitise the students against online crime and protection and respect towards women.
- The institution assists all deserving students by way of stipends, fee concessions, subsidized hostel facility and other welfare measures as per the rules. Induction and orientation programs are organised for the students and staff to help them to adjust to the new environment.
- Lectures and programs are held for exposing the students to the various career options for their smooth progression after BDS, which has enabled students to progress from the undergraduate to post-graduate level and achieve eminent positions in their career. Lectures are held by the faculty, successful students and alumni to guide the students appearing for the all India Post Graduate Exams, seeking recruitment to the armed forces and applying for overseas opportunities.
- The placement cell helps recruitment of graduates by inviting personnel from corporate chain and leading practicing dentists to the institution to induct students for their practice
- The institution has the college week celebration, which the students organize with assistance of staff and come up with innovative ideas and themes such as rural health service, Go Green, and Past Forward, Future of dentistry.
- Students participation in academics, cultural event, sports, and scientific activities bring about their overall development, which has been projected in the college magazine "MAGNUM". This is compiled and edited by the student themselves to show their creativity.
- Students are encouraged to participate in street plays, flash mobs, flag marches to focus on social issues by spreading the message of the ill effects of tobacco, smoking and benefits of maintenance of good oral hygiene, by conducting anti tobacco day and oral hygiene day.
- Need to maintain clean and healthy environment is emphasized by organizing Swachha Bharat camps and adopting areas for the same. Blood donation camps to Save a Life, Yoga for health, Heartfulness meditation, Pranic Healing for spiritual growth, are the other initiatives towards inculcating social responsibilities and values in the future generation. During these sessions the people of eminence and standing, as well as our own students who have practiced and experienced the benefits of these practices interact with the staff and students.
- The Trust organizes walkathons on the World Heart Day, in which both the students and the staff enthusiastically participate to highlight the message of good health.

Criterion-VI: Governance, Leadership and Management.

- The institution has a vision and mission statement that supports a well formulated action

plan. Definite organizational framework, perspective planning, strategic development, efficient human resource development, resource mobilization, effective audit mechanism, dynamic leadership, decentralized administration, delegation of powers, grievance redressal mechanism and welfare measures ensure that the institution's progress is dynamic. Staff is encouraged to organize conferences and take up positions towards the same.

- The Dean provides leadership through academic administration and management, improvement of assets and financial resources through well established committees: Local governing Council, IQAC, College Council, Research committee, Grievance Redressal Committee, Anti Ragging Committee, Students Council Advisory Committee, Prevention of Sexual Harassment of Women at Work Place Committee. This system therefore provides an opportunity for every staff member to partake and contribute to the overall growth and governance of the institution and also increasing their sense of responsibility.
- The statutory bodies DCI and MUHS provides frame work and guidelines to college authorities in making policy decisions – framing of rules and regulations of the college, recruitment of staff, creation of posts and so on.
- Institution is constantly making an effort to plan and implement academic and administrative strategies. It is a practice to set time bound targets and plan and draw a road map to achieve the same, at the level of students and staff. Introspection is carried out periodically for self appraisal and evaluation of progress in this regard. Problems are listed and attempts are made to resolve the same. The institution promotes participative management and grooms the students to take up positions to inculcate leadership qualities.
- Quality upgradation of its human resource by encouraging, both teaching and non teaching staff to participate in training programs, attend courses, workshops, conferences and continuing education programs with special leave and financial assistance. Staff is also encouraged to hold programs at the institution to upgrade the knowledge of peers and students.
- Welfare schemes for the employees are in place: like maternity leave and free medical treatment to the staff and students at the parent hospital. A crèche for the infants and children is run by the trust which is an asset to the working mothers among the staff.
- Functional appraisal and evaluation (self, student, peer, and employer) system of its human resource is in place to bring about self evaluation, assesment and improvement.
- The institution plans and allocates financial resources well in advance for infra-structural improvement, research, upgrading technology, human resource, procurement of specialized equipment and materials and charity. Donors are encouraged to participate in institutional programs / activities through donation and providing sponsorship. The income and expenditure of the institution are subjected to regular internal and external audits.
- The institution has an IQAC which periodically conducts academic and administrative audits. IQAC closely monitors the functioning and execution of the duties and performance of all the working committees within the college council. An efficient feedback system is in place to document, compile, analyse and address outcome. Confidentiality is maintained at every level.

Criterion-VII: Innovations and Best Practices:

- The institution has a number of inbuilt innovative and best practices. Students are exposed

to field visits to dental material manufacturing units to have first hand information on material science and their application and to famous dental practitioners to observe the practice and patient management skills. Bookclub has been introduced to carry out group reading to enhance understanding of particular topics. A pixel club has been established to generate interest in photography which is essential for documentation, presentation and assessment of treatment. Visit to water purification plants is also planned for visualising the water fluoridation process.

- The need for environmental consciousness along with progress is a must for safeguarding the future. ‘Swatch-Bharat’ campaign has been taken up by the institution. Constant monitoring of exposure to radiation by utilising TLD badges is done.
- The institution’s ‘Green Policy’ approach, energy and water resource conservation systems and participatory approach by students, faculty and management ensures that the college is in sync with the global approaches to conservation of nature. Water harvesting and recycling plant, use of solar energy, biohazard waste management , e-waste management, radiation safety measures, reduction in pollution by car pool to reduce emission levels are the measures towards environment consciousness.
- The trust has ensured the campus to be Tobacco and Alcohol free and believes in the principle of ‘Simple Living and High Thinking’.
- Use of integrated technology in education, creating attributes and inter-disciplinary approaches, OSCE and OSPE method of examination, lectures on ethical practices and patient management at the white coat ceremony, communications skills and practice management workshop by the Dale Carnegie group are some of the innovative teaching learning strategies.
- The students actively participate in formulating the strategies as they are included in the college council and due weightage is given to their suggestions. The institution strongly believes in the motto that “together only we can make a difference”.
- The institution believes in the Best practices of Building an atmosphere for promoting research.

Institutional SWOC Analysis

Strengths

- Proficient well qualified faculty dedicated to the cause of teaching learning and research.
- Green campus with congenial atmosphere /peaceful environment.
- Well laid out departments with specialized equipments.
- Clinical material available in abundance for training and clinical experience and research purpose.
- A number of out-reach programs for the rural population, Helen Keller institution and schools to enhance oral health care.
- Quality treatment is imparted at subsidized rates.
- Recognized under and post graduate programs.
- Promotion of research and indogenous manufacturing of low cost implant.
- “Journal of contemporary dentistry”- an indexed journal, in its fourth year of publication.

- Welfare of students by mentorship and Buddy programs.
- Dale Carnegie program for communication skills and white coat ceremony for ethics and patient management.

Weaknesses

- International faculty exchange program.
- High end computer assisted and guided technology.
- Simulator labs facility.
- Government funded programs.
- Innovative research.
- Collaborations in research.
- Short courses and fellowship programs.

Opportunities

- Initiating Ph.D programs for staff.
- Increasing the number of post graduate programs.
- Setting up a dental material laboratory.
- Creating a computer guided implant centre.

Challenges

- To maintain high end treatment standards.
- To bring about curriculum change at the affiliated university level and academic flexibility.
- To maintain treatment of patient at subsidized rates due to inflation.
- To maintain faculty and the academic standards.

SECTION – B
SELF STUDY REPORT

PART 1
PROFILE OF THE INSTITUTION

PART 1

PROFILE OF THE INSTITUTION

1. Name and Address of the Institution:

Name:	Mahatma Gandhi Mission's Dental College and Hospital, Sec. 1, Kamothe, Navi Mumbai		
Address:			
City: Navi Mumbai	Pin: 410209	State: Maharashtra	
Website: www.mgmdchnavimumbai.edu.in			

2. For communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Vice Chancellor	Dr. Arun V. Jamkar	O: 0253-2531835	9371018208	0253-2539113	vc@muhs.ac.in
Pro Vice Chancellor (s)	Dr. Shekhar S. Rajderkar	O: 0253-2539115	9422613775	0253-2539130	provc@muhs.ac.in
Registrar	Dr. Kashinath D. Garkal	O: 0253-2539292	9822240227	0253-2539295	registrar@muhs.ac.in
Principal / Dean / Director	Dr. Sabita M. Ram	O: 022-27434946 R: 022-27720303	9821027613	Fax. 022-27433185	drsabi-ta ram53@gamil.com
Vice Principal	Dr. Vanitha U. Shenoy	O:022-27437993 R:022-27451529	9167629730	Fax. 022-27433185	vanithashe-noy@ gmail.com
Steering Committee / IQAC Coordinator	Dr. Srivalli Natarajan	O:022-27437920 R:022-21660635	9769088803	Fax. 022-27433185	srivallis@hotmail.com

3. Status of the Institution:

Autonomous College
 Constituent College
 Affiliated College - Yes
 State University
 State Private University
 Central University
 University under Section 3 of UGC (A Deemed to be University)
 Institution of National Importance
 Any other (specify)

Annexure-1

4. Type of University: NA

Unitary
 Affiliating

5. Type of College:

Ayurveda
 Dentistry
 Homoeopathy
 Medicine
 Nursing
 Pharmacy
 Physiotherapy
 Siddha
 Unani
 Yoga and Naturopathy
 Others (specify and provide details)

√

6. Source of funding:

Central Government
 State Government
 Grant-in-aid
 Self-financing
 Trust
 Corporate
 Any other (specify)

√

7. a. Date of establishment of the institution: 08/09/2003 **Annexure-2**

b. In the case of university, prior to the establishment of the university, was it a/an

i. Autonomous College	Yes	No	
ii. Constituent College	Yes	No	
iii. Affiliated College	Yes	No	N.A.
iv. PG Centre	Yes	No	
v. De novo institution	Yes	No	
vi. Any other (specify)		

c. In the case of college, university to which it is affiliated

Affiliated to the Maharashtra University of Health Sciences, Nashik

8. State the vision and the mission of the institution.**VISION:**

- Creating dental health professionals embodied with the light of knowledge and spirit of compassion.

MISSION :

- Equipping future dentists with comprehensive skill sets and expertise.
- Raising the standards of dental health education by imparting extra-mural education under the mentorship of leading academicians.
- Addressing patient concerns empathetically and adopting patient-centric treatment approaches.

- Encouraging research in newer areas of dental sciences and teaching methodology for the benefit of population at large.
- Enhancing awareness of moral and ethical values among dental health professionals with a commitment towards community dental care.
- Laying foundation for future leaders in the field.

9. a. Details of UGC recognition / subsequent recognition (if applicable): N. A.

Under Section	Date, Month and Year (dd/mm/yyyy)	Remarks (If any)
i. 2(f)*	-	-
ii. 12B*	-	-
iii. 3*	-	-

* Enclose the certificate of recognition, if applicable

b. Details of recognition/approval by statutory/regulatory bodies other than UGC

Annexure -3

(MCI, DCI, PCI, INC, RCI, AYUSH, AICTE, etc.) : By Dental Council of India

Under Section/ clause	Day, Month and Year (dd/mm/ yyyy)	Validity	Program/ institution	Remarks
(BDS) Section-10 Sub-section-(2)	19/06/2007	Permanent	BDS	Annexure-4
(MDS) Section-10 Sub-section-(2)	27/06/2012	Permanent	MDS- Oral and Maxillofacial Surgery-2 seats	
(MDS) Section-10 Sub-section-(2)	25/06/2013	Permanent	MDS- Conservative Dentist- ry-2 seats	
(MDS) Section-10 Sub-section-(2)	29/06/2013	Permanent	MDS- Orthodontics-3 seats	
(PG Diploma) Section-10 Sub-section-(2)	01/07/2013	Permanent	PG Diploma- Oral and Max- illofacial Surgery-2 seats	
(MDS) Section-10 Sub-section-(2)	17/06/2014	Permanent	MDS- Prosthodontics-3 seats,	
(MDS) Section-10 Sub-section-(2)	17/06/2014	Permanent	MDS- Oral Pathology and Microbiology -3 seats	
(MDS)Under 10(B) Dentist Amendment Act 1993(Approval)	30/03/2015	2015-16	MDS- Oral and Maxillofacial Surgery-2seats MDS- Periodontics-3seats	

(Enclosed the Certificate of recognition/approval)

10. Has the institution been recognized for its outstanding performance by any national / international agency such as DSIR, DBT, ICMR, UGC-SAP, AYUSH, WHO, UNESCO, etc.?:

Yes ☒ No ☐

If yes, Name of the agency : PRIME TIME New Delhi

Date of recognition : 15/ 06 / 2014

Nature of recognition : Best Dental College In Mumbai

11. Does the institution have off-campus centres?

Yes ☐ No ☒

If yes, date of establishment : (dd/mm/yyyy)

date of recognition by relevant statutory body/ies: (dd/mm/yyyy)

12. Does the institution have off-shore campuses?

Yes ☐ No ☒

If yes, date of establishment : (dd/mm/yyyy)

date of recognition by relevant statutory body/ies: (dd/mm/yyyy)

13. Location of the campus and area:

	Location *	Campus area in acres	Built up area in sq. mts.
Main campus area	Semi-Urban	5 acres	20961sq.mts.
Other campuses in the country	-	-	-
Campuses abroad	-	-	-

(* Urban, Semi-Urban, Rural, Tribal, Hilly Area, any other (specify)

If the institution has more than one campus, it may submit a consolidated self-study report reflecting the activities of all the campuses.

14. Number of affiliated / constituent institutions in the university : NA

15. Does the University Act provide for conferment of autonomy to its affiliated institutions? If yes, give the number of autonomous colleges under the jurisdiction of the University.

Yes ☐ No ☒ Number

16. Furnish the following information: N.A.

17. Does the institution conform to the specification of Degrees as enlisted by the UGC?

Yes ☒ No ☐

If the institution uses any other nomenclatures, specify.

18. Academic programs offered and student enrolment: (Enclose the list of academic programs offered and approval / recognition details issued by the statutory body governing the program) Annexure-3 and 4

Programs	Number of Programs	Number of students enrolled
UG - BDS	01	100 Per year
PG - MDS	06	18 Per year
PG Diploma	01	02 Per year
Total	08	120 Per year

19. Provide information on the following general facilities (campus-wise):

- Auditorium/seminar complex with infrastructural facilities Yes ☒ No ☐
- Sports facilities
 - Outdoor Yes ☒ No ☐
 - Indoor Yes ☒ No ☐
- Residential facilities for faculty and non-teaching staff Yes ☒ No ☐
- Cafeteria Yes ☒ No ☐
- Health centre
 - Health centre Yes ☒ No ☐
 - First aid facility Yes ☒ No ☐
 - Outpatient facility Yes ☒ No ☐
 - Inpatient facility Yes ☒ No ☐
 - Ambulance facility Yes ☒ No ☐
 - Emergency care facility Yes ☒ No ☐
 - Health centre staff Yes ☒ No ☐
 - Qualified Doctor Full time ☒ Part-time ☐
 - Qualified Nurse Full time ☒ Part-time ☐
- Facilities like banking, post office, book shops, etc. Yes ☒ No ☐
- Transport facilities to cater to the needs of the students and staff Yes ☒ No ☐
- Facilities for persons with disabilities Yes ☒ No ☐
- Animal house Yes ☒ No ☐
- Incinerator for laboratories Yes ☒ No ☐
- Power house Yes ☒ No ☐
- Fire safety measures Yes ☒ No ☐
- Waste management facility, particularly bio-hazardous waste Yes ☒ No ☐
- Potable water and water treatment Yes ☒ No ☐
- Any other facility (specify).
 - i. Tobacco Inhibition Centre
 - ii. Implant Centre
 - iii. Cleft Palate Centre
 - iv. Geriatric Clinic
 - v. Trauma Centre

20. Working days / teaching days during the past four academic years

	Working days				Teaching days			
	2011	2012	2013	2014	2011	2012	2013	2014
Number stipulated by the Regulatory Authority	264	262	263	260	248	244	245	242
Number by the Institution	264	262	263	260	248	244	245	242

(‘Teaching days’ means days on which classes/clinics were held. Examination days are not to be included.)

21. Has the institution been reviewed or audited by any regulatory authority? If so, furnish copy of the report and action taken their upon (Last 4 years): Yes, Dental Council of India and Maharashtra University of Health Sciences, Nashik.

22. Number of positions in the institution:

Positions	Teaching faculty						Non-teaching staff	Technical staff
	Professor	Associate Professor/Reader	Assistant Professor	Lecturer	Tutor/Clinical Instructor	Senior Resident		
Sanctioned by the Government								
Recruited	NA	NA	NA	NA	NA	NA	NA	NA
Yet to recruit								
Sanctioned by the Management/Society or other authorized bodies	7	18	-	25	22	-	126	24
Recruited	7	18	-	25	22	-	126	24
Yet to recruit	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Stipulated by the regulatory authority Cadre ratio								
Recruited	100%	100%	100%	100%	100%	100%	100%	100%
Yet to recruit	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Number of persons working on contract basis	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

23. Qualifications of the teaching staff:

Highest Qualification	Profesor		Associate Professor/Reader		Assistant Professor		Lecturer		Tutor / Clinical Instructor		Senior Resident	
	M	F	M	F	M	F	M	F	M	F	M	F
Permanent teachers	1	6	10	8	-	-	12	13	10	12		
PG (M.Pharm./ PharmD, DNB, M.Sc., MDS., MPT, MPH, MHA)	1	6	10	8	-	-	12	13	5	2		
UG									5	10		
Temporary teachers	None											
Contractual teachers	None											
Part-time teachers	None											

24. Emeritus, Adjunct and Visiting Professors.

	Emeritus		Adjunct		Visiting	
	M	F	M	F	M	F
Number	2	2	-	-	1	1

25. Distinguished Chairs instituted: N.A.

Department	Chairs
-	-

26. Hostel

• Boys' hostel

- Number of hostels : 01
- Number of inmates : Facilities for 104 - Inmates
- Facilities : Mess, TV, Carrom, Table Tennis, Newspaper, Magazine, Football field, Internet, Cricket ground, Yoga room

• Girls' hostel

- Number of hostels : 01
- Number of inmates : Facilities for 104 – Inmates
- Facilities : Mess, TV, Carrom, Table Tennis, Newspaper, Magazine, Football field, Internet, Cricket ground, Yoga room

• Overseas students hostel :

- Number of hostels
- Number of inmates : NIL

- **Hostel for interns :** Yes
 - i. Number of hostels : 01
 - ii. Number of inmates : Facilities for 104 Inmates
 - iii. Facilities : Mess, TV, Carrom, Table Tennis, Newspaper, Magazine, Football field, Internet, Cricket ground, Yoga room

- **PG Hostel :** Yes
 - i. Number of hostels : 01
 - ii. Number of inmates : Facilities for 55 Inmates
 - iii. Facilities : Mess, TV, Carrom, Table Tennis, Newspaper, Magazine, Football field, Internet, Cricket ground, Yoga room

27. Students enrolled in the institution during the current academic year, with the following details:

Students	UG		PG						Integrated Masters		M.Phil		Ph.D.		Integrated Ph.D.	
			PG		DM		MCH									
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
From the state where the institution is located	17	83	6	11												
From other states			0	01												
NRI students																
Foreign students																
Total	100		18													

*M-Male *F-Female

28. Health Professional Education Unit / Cell / Department

- Year of establishment 2009
- Number of continuing education programs conducted (with duration)
 - * Induction - 03 per year
 - * Orientation - 06 per year
 - * Refresher - 04 per year
 - * Post Graduate - 24 per year

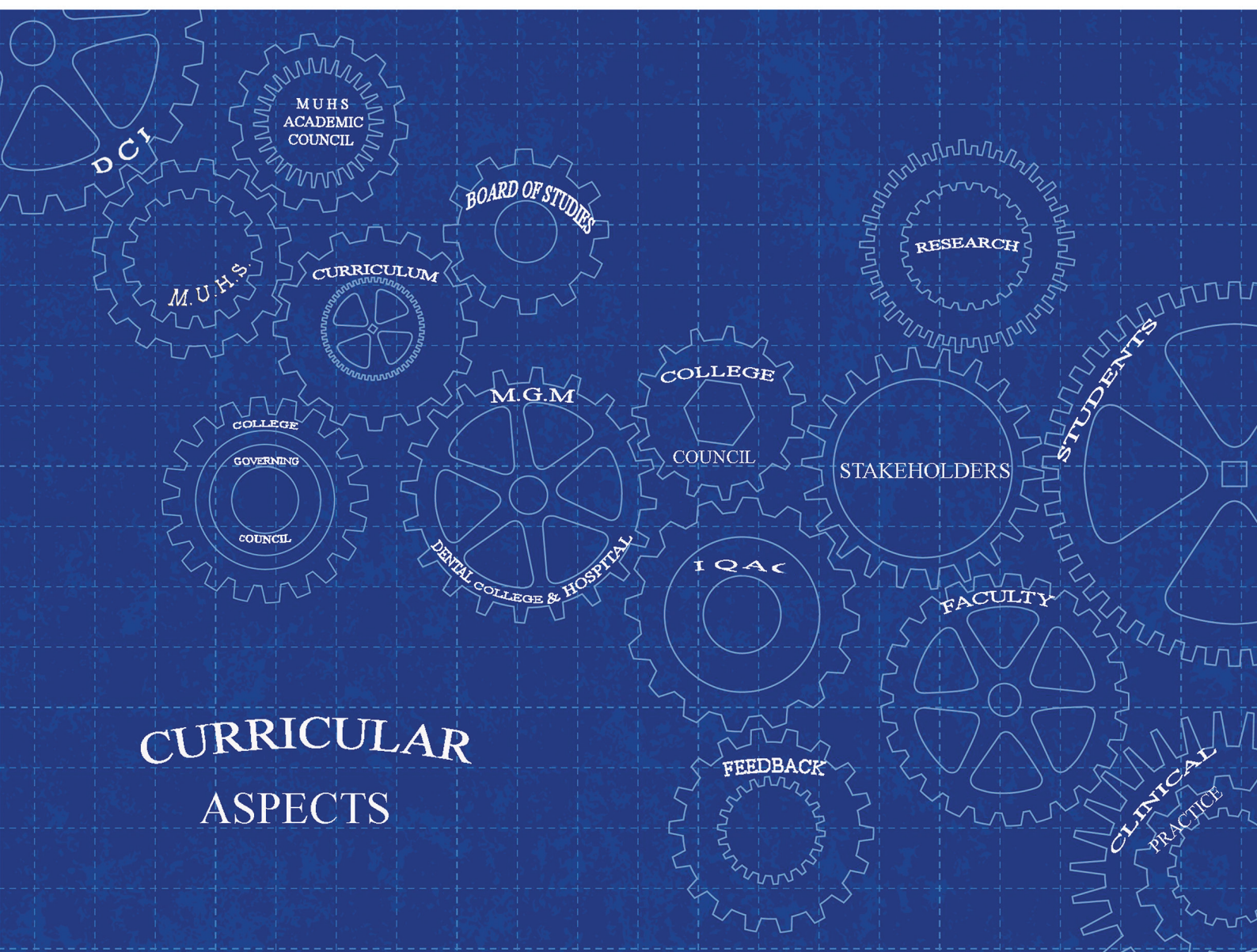
29. **Does the university offer Distance Education Programs (DEP)?**
 Yes ☐ No ☒
 If yes, indicate the number of programs offered.
 Are they recognized by the Distance Education Council?
30. **Is the institution applying for Accreditation or Re-Assessment?**
Accreditation ☒ **Re-Assessment** ☐
 Cycle 1 ☒ Cycle 2 ☐ Cycle 3 ☐ Cycle 4 ☐
31. **Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4) : N.A.**
 Cycle 4: (dd/mm/yyyy), Accreditation outcome/Result
 Cycle 3: (dd/mm/yyyy), Accreditation outcome/Result
 Cycle 2: (dd/mm/yyyy), Accreditation outcome/Result
 Cycle 1: (dd/mm/yyyy), Accreditation outcome/Result
 * Enclose copy of accreditation certificate(s) and peer team report(s)
32. **Does the university provide the list of accredited institutions under its jurisdiction on its website? Provide details of the number of accredited affiliated / constituent / autonomous colleges under the university. N.A**
33. **Date of establishment of Internal Quality Assurance Cell (IQAC) and dates of submission of Annual Quality Assurance Reports (AQAR).**
 IQAC 05/01/2015
 AQAR (i) (dd/mm/yyyy)
 (ii) (dd/mm/yyyy)
 (iii) (dd/mm/yyyy)
 (iv) (dd/mm/yyyy)
34. **Any other relevant data, the institution would like to include (not exceeding one page).**
- 5 Satellite centers are established in rural set up for screening and treating the rural population.
 - The MGM School, Nerul with 2500 students has been adopted for Dental Health Care and prevention.
 - Oral cancer screening for industrial workers in industrial area of Taloja, Kashele and Ajivali has been an initiative of this college.
 - A scientific Journal "Journal of Contemporary Dentistry" is a quarterly issue. It has completed 4 years of publication and is indexed in Index Coperinicus, Google Scholar, Hinari, Open J Gate, Ulrich, EBSCO, ProQuest, Genamics Journal Seek, CiteFactor.
 - Annual Magazine is released every year. It highlights the college and students activities both cultural and academic. The theme each year is chosen with a concept: 2012-13 Rural Dentistry; 2013-14 Go green; 2014-15 past forward.
 - The college and Hospital works for the Helen Keller Institution for the Deaf, Dumb and blind.

PART 2

CRITERIA-WISE INPUTS

CRITERION I

CURRICULAR ASPECTS





CRITERION 1

CURRICULAR ASPECTS

1.1 Curriculum Planning, Design and Development

1.1.1 Does the institution have clearly stated goals and objectives for its educational program?

Yes, the goals and objectives of MGM Dental College and Hospital, Navi Mumbai are clearly stated for its educational program.

Goals and Objectives:

- To be a center of excellence in dental education, research and oral healthcare, training its students to be professionally competent and compassionate health care providers.
- Cognitive, emotional and physical development of the student with an emphasis on social responsibility.
- Innovation in oral health care education and research.
- Implementation of dental and public health practices of the highest standard with a passion to care for the underserved.

1.1.2 How are the institutional goals and objectives reflected in the academic programs of the institution?

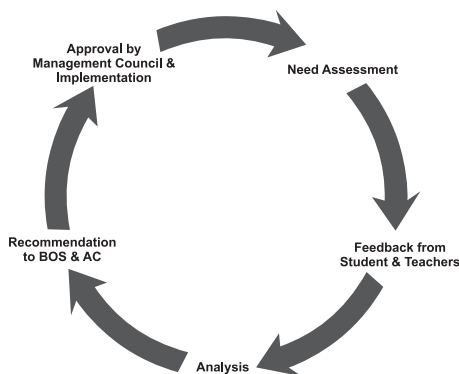
The academic programs reflecting the goals and objectives of the institution are outlined below:

- Innovation in oral healthcare education and research is reflected in various innovative teaching methodologies like vertical integration of Under-Graduate (UG) and Post-Graduate (PG) programs.
- Excellence in Dental Education is achieved through a well-designed student and faculty feedback, integration of outreach public health dentistry programs into mainstream academics, regular Continuing Dental Education (CDE) programs.
- It is also reflected in the program like Comprehensive Oral healthcare offering one point delivery of treatment for complete oral healthcare.
- Research in the field of dental health care is given utmost importance by dissertation projects undertaken by all post graduate students under faculty guidance and submitted to the university before qualifying examination. Small research projects are assigned to under graduate and post graduate students. The faculty is also involved in various research projects in dental health care.
- To give a boost to research, the college is regularly publishing an indexed peer reviewed journal- Journal of Contemporary Dentistry, which is an official publication of the MGM Dental College and Hospital, Navi Mumbai. It is a quarterly peer reviewed journal , launched in 2011 having both print and online versions [ISSN: 2278-2680 and e-ISSN: 2279-0127] indexed with Index Copernicus, Open J Gate, HINARI, Goggle Scholar, Ulrich, EBSCO and Pro-Quest. It has an Index Copernicus Value of 4.71.Oral healthcare education and research is taken care with the help of Scientific paper analysis through an evidence based literature analysis form for significance and impact.
- The involvement in Public Oral Health is made sure by serving the rural

population, through Community Outreach Dental and Oral health Programs and also by conducting regular dental health checkup and treatment camps in the region, through its five Satellite centers, Rural: at Kashele, Nere, Tara, Shirdon and Ajiwali. Urban: at Kalamboli and at the School at Nerul.

1.1.3 Does the institution follow a systematic process in the design, development and revision of the curriculum? If yes, give details of the process (need assessment, feedback, etc.).

- Yes, the institution follows a systematic process in the design, development and revision of the curriculum under the guidance of Maharashtra University of Health Sciences (MUHS), Nashik and under the framework of Dental Council of India's (DCI) guidelines.
- The institution recognizes the importance of achieving global competencies in fulfilling oral healthcare needs of our society. This is possible through regular curricular modifications and enrichment.
- The faculty of various specialties are rotational members of the undergraduate and post graduate board of studies at the MUHS and participate in their respective meetings. The institution gives its suggestions to the university and the DCI on the revision of the curriculum from time to time. Based on need assessment to expose/educate the students on comprehensive patient care who manage the oral health care needs of the patients.
- Student performance and student feedback at the end of each marker point in addition to feedback from the faculty are used for further curricular revision. The feedback obtained from national and international faculty participating in guest lectures, workshops, conferences and seminars are also analysed and used for curricular revision.



1.1.4 How does the curriculum design and development meet the following requirements?

Community needs –

- The 3rd, 4th BDS and Internship curriculum includes training in rural/urban areas/satellite centers and school dental camps, which help the student to identify and address the oral health care needs of the community, in addition to training the school teachers and parents, to spread the message of proper maintenance of oral health.

- The college also organizes regular dental screening and treatment camps at the Taluka Hospitals, Zilla Parishad School's, MIDC areas, Helen Keller School for deaf and dumb, Police Stations, RTO centers, Fire Stations, BEST depots, NMMC depots. Camps are also organized during Ganesh Utsav and Durga Pooja in their Pandals and students participate in the annual 'Health checkup and school health surveys organized by the college and the local civic authority. This helps in sensitizing the student to the oral health care needs of the community and inculcating empathy for the suffering masses.

***Professional skills and competencies**

- The continuing dental education programs which includes seminars, symposia, guest lectures, webinars, workshops and comprehensive oral healthcare program help to enhance professional skills and competencies.
- The hands-on training, with didactic lectures, seminars, micro and macro-teaching and extensive clinical training with problem based learning, case discussions and clinical mentoring enhances the skills, making them competent.
- During the compulsory rotating internship the students enhance their clinical skills. There is a structured program in communication skills, practice management and ethical practices. CDE, workshops, webinars, hands-on, visit to prominent dental clinics and dental laboratory to be exposed to the high end practices and practice management are held to enhance the competency of the student before graduating to treat a patient independently after graduation.
- Representatives from the Dental material manufacturing companies like 3M, GC, Dentsply, Equinox, Colgate, Johnson and Johnson for suture materials, AO bone plates, visit the college to show-case their latest materials, techniques, their properties and handling, through lectures, hands on course and by holding competitions. This brings about awareness of the latest dental material/product in the market to the graduating student, making them competent.

***Research in thrust/ emerging areas**

- The thrust areas of research identified by the institution includes:
 - ▶ Implant designing and developing manufacturing technology for low cost indigenous implant. The Comparative evaluation of Surface Characteristics of Titanium Plates treated with dual Acid Etch Technique in collaboration with Bhabha Atomic Research Centre, Mumbai, Sponsored by Government of India, Department of Atomic Energy, Board of Research in Nuclear Sciences. Vide Letter No. 2012/36/13-BRNS. Rs. 24,82,500/- Phase I completed.
 - ▶ Oral Cancer.
 - ▶ Cleft Lip and Palate.
 - ▶ Dental caries and periodontal disease.

***Innovation**

- Various innovative steps in the areas of curriculum enrichment and patient care have been initiated by integrated seminars involving presentations on different aspects of a topic by undergraduate and post graduate students. An evidence based approach is adopted to discuss the latest scientific information on the subject, which forms the basis for group discussions/Journal reviews and common seminars. Regular clinico-pathological meetings are held in the institution.

***Employability**

- The institution regularly organizes lectures, CDE programs and hands on courses/ workshops on clinical topics, career guidance, entrepreneurship and practice management. These programs upgrade the knowledge and skills of the students to enhance self-employability, job opportunities and promote group practice employment avenues.

1.1.5 To what extent does the institution use the guidelines of the regulatory bodies for developing and/or restructuring the curricula? Has the institution been instrumental in leading any curricular reform which has created a national impact?

- Yes, the Institution is affiliated and implements the curriculum designed by the Maharashtra University of Health Sciences and regulated by the Dental Council of India.
- The institution is actively involved in curriculum development based on the feedback system in which regular feedback on curriculum is taken from the students, faculty, educationists, community, dental personnels and other stakeholders. The feedback is analyzed and suggestions are then forwarded to the Maharashtra University of Health Sciences through members of board of studies who put forward the suggestions to the academic bodies of the university, which in turns amends the curriculum.
- Oral and Maxillofacial Surgery specialty has put forth a proposal through the Dental Council of India to the Government of India, for the introduction of the M.Ch. program in Oral and Maxillofacial surgery, which will be a five year comprehensive training program as per the international guidelines with in-depth medical training. The curriculum and syllabus devised for the same has been reviewed critically by national and international faculty, who have appreciated it. It has now been tabled for approval by the government of India.

1.1.6 Does the institution interact with industry, research bodies and the civil society in the curriculum revision process? If so, how has the institution benefitted through interactions with the stakeholders?

- Yes, the institution interacts with the industry, research bodies, civil society in the curriculum revision process and have recommended the change in curriculum for the introduction of digital smile designing, Nitrous oxide-oxygen conscious sedation, Virtual orthognathic treatment planning, navigating implant systems, CAD-CAM technology and forensic dental applications.

1.1.7 How are the global trends in health science education reflected in the curriculum?

- The CDE programs involve the participation of international faculty to update students and faculty with the latest global trends.
- Feedback is taken from well known national and international faculty on global trends in health science education and on the present curriculum and improvements are suggested accordingly.
- The DCI, through periodic curricular workshops, includes such updates in the revised curriculum. These include recent evidence-base in disease diagnosis and treatment modalities which are of importance, and which students must know.
- Moreover, the faculty members of the college, themselves, are updated with

current concepts through access to scientific literature and personal research experience, and the same is also covered, as needed, in students' teaching-learning activities.

1.1.8 Give details of how the institution facilitates the introduction of new programs of studies in its affiliated colleges.

- The Institution is affiliated to Maharashtra University of Health Sciences Nashik and is regulated by the Dental Council of India.
- The institution has introduced Post Graduate Degree Program in various specialties and 2 year diploma program with due approval from the DCI.

Sr. No.	Program	Year started	Approved in year
1	MDS Oral and Maxillofacial Surgery	2009	2012
2	MDS Conservative Dentistry and Endodontics	2010	2013
3	MDS Orthodontics and Dentofacial Orthopaedics	2010	2013
4	MDS Prosthodontics and Crown and Bridge	2011	2014
5	MDS Oral Pathology and Microbiology	2011	2014
6	MDS Periodontology	2012	2015
7	Diploma Oral and Maxillofacial Surgery	2011	2013

1.1.9 Does the institution provide additional skill-oriented programs relevant to regional needs?

- Yes, the Institution provides additional skill oriented programs as relevant to the regional needs like: Screening and Detection of Pre-cancerous lesions at the satellite centres, along with tobacco cessation program. Students are trained to counsel on the ill-effects of tobacco.
- The institution trains the students in prevention of dental caries through fluoride application program.
- Students are trained to render comprehensive treatment in rural set up with frugal resources.

1.1.10 Explain the initiatives of the institution in the following areas:

***Behavioral and Social Science.**

- An annual discourse by spiritual teachers, at the beginning of every year is held on campus.
- Institution has appointed a psychologist for psychological management and counselling of students.
- At regular intervals lectures are held for the students on stress management so as to overcome the stress in day to day life.

***Medical Ethics / Bio Ethics / Nursing Ethics.**

- An Institutional Ethics Review Committee MGMDCH (IERC) has been formed as per the guidelines of ICMR to grant permission to all research projects after diligent consideration. The IERC also monitors and oversees all institutional research projects in addition to the Institutional Research Recognition Committee.
- During introduction to clinical posting the students in the white coat ceremony, are administered the oath of ethics and secrecy to be maintained with respect to patient.

- Lectures on communication, doctor patient relationship, code of ethics, confidentiality, common malpractices, research ethics, patient record maintenance and sterilization prior to their entry into clinics at the 3rd BDS level are conducted.
- The Public Health dentistry department also conducts detailed lectures as per the curriculum on ethics.
- Nursing ethics is strictly followed to have respect for human right including right to life and dignity and create an atmosphere for the patients to be treated with respect.

***Practice Management towards curriculum and/or services**

- Renowned clinicians and senior faculty are regularly invited to share their experiences.
- Dale Carnegie workshop for communication and soft skills.
- Lectures by eminent dental and management professionals for private practice management.
- Field visit to elite dental practices and laboratory visits.
- Counselling students for choosing their career and service after graduation.

***Orientation to research.**

- Annual seminar/workshops are conducted on Research Methodology and Biostatistics in collaboration with Medical Education and Technology cell (MET) of MUHS, with other renowned resource faculty.
- Visiting faculty and experts take workshops and lectures on clinical good practices in research and code of ethics in research etc.
- The institution has an Institutional research recognition committee and Institutional Ethics review committee MGMDCH.
- Short surveys/projects/studies are given to students.
- The college provides access to scientific literature through both on-line data base and journals to ensure updates on research and stimulate ideas.
- To promote research and publication the college publishes a scientific journal "Journal of Contemporary Dentistry". The students and staff are encouraged to publish their papers, case report and other scientific research which instills in them the quality of scientific writing.
- The institution holds a one day scientific presentation for undergraduate and post graduates as a part of the college festival. This encourages the students to make scientific presentations.

*** Rehabilitation**

- In terms of oral and dental needs of the community free denture delivery camps are regularly conducted.
- Rehabilitation of post surgery patients with oral and maxillofacial defects.
- Full mouth rehabilitation.
- Speech rehabilitation for cleft lip and palate patients.

*** Ancient scriptural practices.**

Weekly sessions on scriptural practices such as Yoga and meditation are organized

in the college premises, where students and faculty are told about the importance, advantages and right techniques.

*** Health Economics.**

- The patient gets treatment on subsidized rates.
- There are few schemes run by the institution under which the patient gets financial aid.
- Rajiv Gandhi Jeevandayi Yojana by government.
- Rehabilitation of cleft lip and palate patients is carried out in collaboration with the institution and Maaya foundation that funds the project for these patients. All the patients requiring dental treatment under Maaya foundation are treated with 100% concession.
- Below Poverty Line (BPL) patients are provided with free dental treatment. Regular free dental camps are conducted by the college.

*** Medico legal issues.**

- Public health dentistry conducts medico legal lectures as per the 3rd BDS curriculum. During internship, lectures by eminent speakers on the topic of medico legal issues are held, to prepare them to face private practice.
- All Medico legal cases are registered and reported to appropriate authority.

*** Enhancement of quality of services and consumer satisfaction.**

- Help desk exists at the entry point of the outpatient department for patient's assistance. The dean and Administrative Officers' telephone numbers are freely available for patient assistance and complaints.
- Feed-back and complaints from patients are entertained for enhancement of quality of services. These are scrutinized by the Head of department and referred to the grievance cell for action.
- The interns are deputed for illiterate patients and senior citizens to be escorted to various departments for early appointment and discharge.
- Equipment maintenance and upgradation is carried out at regular intervals for enhancement of the quality of treatment.
- Free transport is provided to patients visiting the college for treatment from the remote areas.

1.1.11 How does the institution ensure that evidence based medicine and clinical practice guidelines are adopted to guide patient care wherever possible?

- Institution follows evidence based diagnosis and treatment planning for rendering oral health care with standard operating procedures in place.
- Internal Quality Assurance Cell ensures that clinical procedures as per the SOP are strictly followed in the departments.

1.1.12 What are the newly introduced value added programs and how are they related to the internship programs?

- Dale Carnegie communication skills, Cardio Pulmonary Resuscitation (CPR), Laminates, Suturing, Implant and Rotary Endodontics program. These are planned as a part of the internship program.

1.1.13 How does the institution contribute to the development of integrated learning methods and Integrated Health Care Management?

* Vertical and horizontal integration of subjects taught.

- The vertical and horizontal integrated teaching is incorporated in the time table.

* Integration of subjects taught with their clinical application.

- Theoretical teaching is coupled with clinical case discussion/treatment planning and patient care delivery mechanisms.

* Integration of different systems of health care, (Ayurveda, Yoga, Unani, Homeopathy, etc.) in the teaching hospital

- The college organizes continual dental education programs in collaboration with different systems of health care. Specialists from the field of Ayurveda discuss the various treatment modalities of dental treatment.

1.1.14 How is compatibility of programs with goals and objectives achieved with Particular reference to priority of interface between Public Health, Medical Practice and Medical Education?

- UG students and interns are posted in all departments in rotation to be able to integrate the treatment and render comprehensive care.
- For rural dental health services, posting in satellite centers enhances their skills where oral health education screening and treatment is provided.
- Working in the well-equipped mobile dental van aids the student to work with minimum resources and comfort, yet delivering maximum oral health.
- Pediatric patients are handled with special attention and proper counselling of parents.
- The college has a well established school health program covering 2500 children, which embody the essence of the college's goals and objectives, while also fulfilling the needs of the under and postgraduate programs. Orthodontics department conducts camps in the schools in Navi Mumbai area and diagnose the children requiring treatment for malocclusion.
- All these activities address public oral health issues, including oral hygiene and major dental diseases and their prevention through dental education and intervention by appropriate care.

1.2 Academic Flexibility

1.2.1 Furnish the inventory for the following:

* Programs offered on campus

Sr. No.	Course	Speciality	No. of seat	Duration of course in years
1	BDS	All subjects	100	4+1 year internship
2	MDS	Oral and Maxillofacial surgery.	04	03
		Conservative Dentistry and Endodontics.	02	03
		Orthodontics and Dentofacial Orthopaedics.	03	03
		Prosthodontics and Crown and Bridge.	03	03

		Oral Pathology and Oral Microbiology.	03	03
		Periodontology.	03	03
3	Diploma	Oral and Maxillofacial Surgery.	02	02

* **Overseas programs offered on campus - NA**

* **Programs available for colleges/students to choose from**

- Master of Dental Surgery program is available in six specialties and Diploma in one specialty.

Sr.no	Speciality	Branch
1	MDS	MDS in Oral and Maxillofacial Surgery.
2	MDS	MDS in Conservative Dentistry and Endodontics.
3	MDS	MDS in Orthodontics and Dentofacial Orthopaedics.
4	MDS	MDS in Prosthodontics and Crown and Bridge.
5	MDS	MDS in Oral Pathology and Oral Microbiology.
6	MDS	MDS in Periodontology.
1	Diploma	Diploma in Oral and Maxillofacial Surgery.

1.2.2 Give details on the following provisions with reference to academic flexibility

a. Core options

- BDS and MDS are core options available, with flexibility in choosing the MDS specialty.
- Flexibility is not considered in compulsory subjects of the BDS and MDS curriculum, however to enhance the knowledge some additional information is incorporated during the tenure of the course in the form of CDE program, hand-on courses, workshops.
- In MDS six specialties and in the post graduate Diploma one course is offered Details are mentioned in 1.2.1

b. Elective options –NA

c. Bridge course

- There is no provision of bridge courses in the syllabus framework of regulatory authority MUHS or the DCI. Therefore there is no bridge course conducted in the institution.
- Special lecture session are arranged for slow learners and for the student coming from medium other than English at the beginning of the course and local language training for other state students. Mentor-Student arrangement also helps the student overcome their difficulty in the curriculum through this program also.

d. Enrichment courses

- Enrichment courses are being designed by various departments of the institution.
- However enrichment of the curriculum is routinely carried out by conducting CDE programs where eminent specialist/teachers/academicians take lectures and hands on demonstrations to enrich the student's knowledge. The following are the topics addressed:
 - ▶ Advanced trauma life support and basic life support.
 - ▶ Cardio Pulmonary Cardiac Resuscitation.
 - ▶ Space maintainers and stainless steel crowns.
 - ▶ Implant course.

- ▶ Rotary Endodontics.
- ▶ Flap dissection course.
- ▶ Craniofacial bone plating.
- ▶ Osteodistractive.

e. **Credit accumulation and transfer facility**– NA

f. **Courses offered in modular form** – NA

g. **Lateral and vertical mobility within and across programs, courses and disciplines and between higher education institutions**- NA

h. **Twinning programs** - NA

i. **Dual degree programs** - NA

1.2.3 Does the institution have an explicit policy and strategy for attracting students?

* From Other states

- Yes, the Institution has an attractive website and brochure, which showcases the faculty, infrastructure, library, research, extracurricular activities, progress of the students and the other activities.
- Additional coaching in terms of regional language is provided.
- Hostel facility with mess attached where regional food is made available.

* Socially and financially backward sections

- Admission to the criteria SC/ST/OBC/NT1/NT2/NT3 and other backward tribes is enlisted in the brochures of AMUPMDC. Reservations of seats for SC/ST/OBC/NT1/NT2/NT3 is as per the Government Notification No.MED/-2006/1196/CR206/06 edu-1 (2) dated 24/06/2006.
- 35% of the seats are reserved for the SC/ST/OBC/NT1/NT2/NT3 and other backward tribes.
- All programs are self-financed. Socially and economically backward students are funded by the government.
- The Institution also identifies and provides a partial waiver of fee to financially backward students.
- Meritorious students receive aid from the JRD Tata Scholarship and a few from religious trusts.

1.2.4 Does the institution offer self-financing programs? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programs?

- Yes the programs are self-financing.
- Admission is carried on the basis of merit as per the directives of Supreme Court through the ASSOC-CET. The students are admitted for the BDS and MDS courses done through a single ASSOC-CET conducted by the AMUPMDC of Maharashtra state which is an all India entrance test.
- The I/II/III round of admissions for the BDS/MDS courses are done in accordance to the merit list published by the AMUPMDC, Maharashtra according to the preference list of the choice of college as indicated by the student in their preference form for BDS course and choice of specialty and college for the MDS course.
- The seats that are vacant after the third round of admission are filled by an

advertisement which is placed in leading newspapers for admitting students to both the BDS and MDS course. The students who are eligible apply for the same. Merit list is then prepared at the institution level and the students are admitted as per the procedure laid down by the Pravesh Niyamtran Samiti.

- The management seats are filled in a fair and transparent manner following the directions of DCI and ASSOC-CET, Pravesh Niyamtran Samiti, Directorate of Medical Education; Maharashtra and MUHS also considering the performance in the ASSOC-CET.
- Candidates applying for the NRI category need not have appeared for the ASSOC-CET exam but should have attained 50% marks in the previous level. However they should be justifying the NRI status by appropriate documentation.
- Fee for the BDS and MDS course has been laid down by the Shikshan Shulk Samiti of Maharashtra as per Supreme Court directives. The same has been followed by the institution during the admission process.
- Teacher's qualification is as per the requirement of Dental council of India and the Maharashtra University of Health Sciences.

1.2.5 Has the institution adopted the Choice Based Credit System (CBCS) / credit based system? If yes, for how many programs? What efforts have been made by the institution to encourage the introduction of CBCS in its affiliated colleges?

- We are an affiliated college of the Maharashtra University of Health Sciences, No instructions regarding CBCS system has been initiated by MUHS.

1.2.6 What percentage of programs offered by the institution follow:

- * Annual system - First BDS to third BDS and MDS 100%.
- * Semester system - Fourth BDS -100%.
- * Trimester system - None.

1.2.7 How does the institution promote multi/inter-disciplinary programs? Name a few programs and comment on their outcome.

- The college has a culture of multi/inter-disciplinary collaborations in its teaching-learning activities, research and patient care.
- The institution has students posted in rotation to various departments to enrich their knowledge and outcome of the treatment. In the Public Health Dentistry department, the student is encouraged to carry out inter-disciplinary discussion and treatment modalities, where specialists are there to guide them.
- Research projects of PG students often involve work in two or more departments.
- Inter department clinico-pathological meet is held once a month to discuss cases treated with a inter-disciplinary mode.

1.2.8 What programs are offered for practicing health professionals for skills training and career advancement?

- The institution regularly organizes workshop and lectures for practicing oral healthcare professionals. The topics addressed include:
 - ▶ Biomechanics in orthodontics.
 - ▶ Tobacco and cancer.
 - ▶ AO course on maxillofacial surgery.
 - ▶ Advanced trauma life support and basic life support.

- ▶ Cardio Pulmonary Cardiac Resuscitation.
- ▶ Space maintainers and stainless steel crowns.
- ▶ Implant course.
- ▶ Rotary Endodontics.
- ▶ Flap dissection course.
- ▶ Craniofacial bone plating.
- ▶ Osteodistractive.

1.3 Curriculum Enrichment

1.3.1 How often is the curriculum of the institution reviewed and upgraded for making it socially relevant and/or skill oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?

- The Institution is affiliated to the MUHS. The Institution cannot upgrade the curriculum on its own. The curriculum has been formulated as per the guidelines of the DCI and Maharashtra University of Health Sciences, Nashik.
- The curriculum is reviewed periodically based on the feedback received from students, faculty, Interns, Alumni. The same is forwarded by the head of the department to the college council of the institution which in its meeting analyses all the feedback on curriculum received and forwards it to the MUHS.

Sr.No.	Stakeholder	Frequency
1.	Students.	At the end of the term
2.	Faculty	At the end of the term
3 .	Interns	Annually
4 .	Alumni.	Annually

1.3.2 During the last four years, how many new programs were introduced at the UG and PG levels? Give details.

* Multi/inter-disciplinary

The institution has started the MDS programs in the following specialities:

Sr. No.	Programme	Year started
1	MDS Prosthodontics and Crown and Bridge.	2011
2	MDS Oral Pathology and Oral Microbiology.	2011
3	Diploma Oral and Maxillofacial Surgery.	2011
4	MDS Periodontology.	2012

* Programs in emerging areas

New updates are given to students through continuing education programs and hands on training at dental material manufacturing companies.

1.3.3 What are the strategies adopted for the revision of the existing programs? What percentage of courses underwent a syllabus revision?

- Feedback from student, teachers are put through the college council, to the IQAC, which analyses the suggestions and forwards recommendation to the Registrar MUHS.
- Few changes have been suggested by the MUHS/DCI in the subject of prosthodontics and conservative dentistry at the UG level, the same of which has been incorporated in the syllabus.

- The courses which underwent syllabus change:

Sr. No.	Course	Revision of existing program details.	Introduced in the year
1	BDS	Introduction of the new course pattern in the first three years of BDS, the fourth BDS in two semesters.	Academic year 2011-12.
2	3 rd and 4 th BDS	Students permitted to carry over one subject failed from 3 rd to 4 th year 1 st semester, however to clear all third BDS subjects before taking up 4 th BDS Semester II exam. Students can carry over two failed subjects from fourth BDS Semester I to Semester II and appear for all the subjects together.	Summer 2012 exam.
3	4 th BDS	Change in the internal assessment marks from 20 to 10.	Summer exam 2012.
4	2 nd BDS preclinical conservative dentistry	Class I inlay cavity preparation on typhodont tooth.	Summer exam 2014.
5	First, Second, Third, Fourth BDS 1 st and 2 nd semester	Communication skills added along with the journal evaluation.	Winter exam 2014.
6	Second BDS Pre clinical Prosthodontics	Inclusion of crown preparation on typhodont tooth.	Summer exam 2015.

1.3.4 What are the value-added courses offered by the institution and how does the institution ensure that all students have access to them?

- The Institution offers value-added courses as mentioned in 1.2.8
- The institution ensures the access to the students through on time advertising, brochures, pamphlets, bulk SMS to students and by putting the information on the institution website.

1.3.5 Has the institution introduced skills development programs in consonance with the national health programs?

- Yes, this Institution introduces various skill development programs in consonance with the national health programs.
- The institution has imparted training on tobacco cessation strategies and early detection of oral cancer through programs to this effect.
- Early detection of dental caries and its prevention by topical fluoride application.
- Educating the parents and teachers on the right technique of oral hygiene maintenance which would aid in the decrease of dental caries and periodontitis.
- Surveying Zillah Parishad schools and the rural areas for children with malocclusion in the early stages and educating their parents about the need for correction.
- Children with cleft lip and palate are identified and treatment rendered through

the Maaya foundation in collaboration with the institution.

- Trauma, accidents and injuries are handled by the oral and maxillofacial surgery department of the institutions.

1.3.6 How does the institution incorporate the aspects of overall personality development addressing physical, mental, emotional and spiritual well-being of the student?

- The campus has a well-equipped gym with qualified trainers, facilities for outdoor sports such as cricket, basketball etc.
- Yoga training is imparted one day a week.
- An annual talk is organized for spiritual enlightenment by the experts.
- A psychologist is available to the students during working hours
- Institution believes in overall development of student and organizes the annual week, where they show case their talent in dramatics, singing, dancing, sports, crafts, and photography.
- A Photography club exists in the institution called “PIXEL”.
- Lectures on stress management are conducted.
- Celebrating National days like 26th January, 15th August, world no tobacco day and peace day, gives students the feeling of duties and responsibilities and mutual respect for each other's religion respectively.
- Above initiatives contribute to the overall well being of student and produce a graduate who will have respect for themselves and others.

1.3.7 Does the curriculum provide for adequate emphasis on patient safety, confidentiality, rights and education?

- Yes, as per curricular requirements the IERC has been established.
- The guidelines of the IERC and SOP's of the departments ensure patient safety following standard sterilization protocols, radiation protection, maintaining patient confidentiality and obtaining informed consent.
- Patient is educated about the treatment with the help of charts, models and audiovisual aids.
- Patient counselling facilities are available and a nodal person is appointed by each department for handling any patient query/problem related to treatment.

1.3.8 Does the curriculum cover additional value systems?

- The additional value added systems incorporated in the curriculum include Evidence Based Dentistry guidelines in all teaching programs and a focus on medical ethics through seminars, guest lectures and a well structured program on communication skills.

1.4 Feedback System

1.4.1 Does the institution have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?

- Yes, there is a formal mechanism in which the students feedback are obtained in a structured feedback form, at the completion of various marker points in the teaching program.
- These feedbacks are reviewed periodically by the department faculty in the monthly meetings and remedial measures followed. The records of such feedback and subsequent action are maintained by all departments.

1.4.2 Does the institution elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods such as conducting webinars, workshops, online discussions, etc. and their impact.

- Yes, the institution elicits feedback on curriculum from national and international faculty visiting the institution in a well-defined proforma. Such feedback also includes experiences of other institutions on their curriculum and these feedbacks are used for modification in the curriculum. Then these are sent as suggestions to the appropriate academic body of university.

1.4.3 Specify the mechanism through which affiliated institutions give feedback on curriculum and the extent to which it is made use of.

- The institution obtains feedback on curriculum from the students, interns, faculty and alumni. The head of department analyses the same and forwards it to the college council of the institution, which in turn scrutinizes the same in its meeting and the dean sends the feedback to the board of studies of the MUHS.

1.4.4 Based on feedback, what are the quality sustenance and quality enhancement measures undertaken by the institution in ensuring the effective development of the curricula?

- Regular meetings of the Head of Department and the IQAC are held to analyze the feedback given by the students for the academic changes required.
- Various initiatives by the institution such as publication of its own scientific journal: Journal of contemporary dentistry, regular CDE programs, integrated seminars involving undergraduate and post graduate students, literature analysis of scientific articles in all presentations and Evidence Based learning are some of the measures adopted by the institution in quality sustenance. These are incorporated in the seminars, CDE programs to enhance those fields which are not enlisted in the curriculum and student's feedback shows the essentiality of acquiring knowledge on those topics.
- Students have a one to one meetings with the mentors and discuss and give their feedback informally which is an initiative to allow the students to freely project their views. The "Buddy Program" allows the student to interact with their seniors to share experiences. This enables the institution to effectively develop the curricula.

1.4.5 What mechanisms are adopted by the management of the institution to obtain adequate information and feedback from faculty, students, patients, parents, industry, hospitals, general public, employers, alumni and interns, etc. and review the activities of the institution?

Sr. No.	Stakeholder	Modality	Frequency
1	Student	Classroom Feedback	Biannually
2	Faculty	Institutional Meetings	Annually
3	Patients	Review of Written Suggestions/Complaints	Monthly
4	Parents	Meetings	Annually
5	Industry	Meetings / Written Communication	Annually
6	Employers	Meetings	Annually
7	Alumni	Meetings / Written Communication	Annually
8	Interns	Written Suggestions	On Completion

Any other information regarding Curricular Aspects which the institution would like to include.

- **Horizontal and Vertical Integration**

The introduction of vertical integration in teaching methods initiated by the college is aimed at widening the horizon of the students. Integrated thinking offers the capacity to individualize and helps improve the cognitive and psychomotor domains of the students.

- **Special program for slow learners**

Slow learners are identified and are given the much needed stimulation and encouragement by the respective faculty. Special individual attention, motivation and one to one discussions are held with them to bring the slow learners on par with the rest of the class.

- **Promotion of research publication**

An in depth literature analysis through the use of a literature analysis form ensures quality of presentation. The institution is confident that such innovative changes in the curriculum will go a long way in personality development of the student in addition to enrichment of scientific knowledge.

- **Community**

The training that the students receive in the public health dentistry department of the institution will enable them to meet the needs of the community in an appropriate manner, once they graduate.

CRITERION II

TEACHING-LEARNING AND EVALUATION





CRITERION II

TEACHING-LEARNING and EVALUATION

2.1 Student Enrolment and Profile

2.1.1 How does the institution ensure publicity and transparency in the admission process?

- Admissions at the institution for Undergraduate and Post Graduate courses are by a centralized examination conducted by Association of Management of Unaided Private Medical and Dental Colleges (AMUPMDC) which is the competent authority for arranging Common entrance test (CET) and admitting students in private medical and dental colleges in Maharashtra.
- The institution has a well updated website through which the students are updated on the infrastructure, staff, services and other facilities available.
- Advertisements in leading newspapers are given during the admission process. Admission in the college is done in a fair and transparent manner which is ensured by the management and admission committee of the college.
- The admission is purely on merit basis. The prospectus is also put on the website.

2.1.2 Explain in detail the process of admission put in place by the institution. List the criteria for admission: (e.g.: (i) merit, (ii) merit with entrance test, (iii) merit, entrance test, aptitude and interview, (iv) common entrance test conducted by state agencies and national agencies (v) any other criteria (specify)

- The student's admission to BDS/ MDS course is done through a single Associate CET conducted by the AMUPMDC of Maharashtra state.
- The I, II and III round admissions for BDS/ MDS are done in accordance to the merit list published by the AMUPMDC based on the performance of candidates in the CET held by the AMUPMDC Maharashtra and the preference submitted by the candidate.
- The order of preference includes the choice of the college as indicated by the students in the preference form for BDS, and the choice of the specialty and college as indicated by the students in the preference form for students seeking admission to MDS. The seats vacant after the III round are filled by the college by placing an advertisement in newspaper and inviting applications. Merit list is prepared of the applicants and admissions are given as per merit and as per the procedure laid down by Pravesh Niyatran Samiti.
- The management seats are filled in a fair and transparent manner following the directions of the government of India, DCI and Associate CET, Pravesh Niyatran Samiti, Directorate of Medical Education Maharashtra and MUHS, also considering the performance in the Associate CET exam.

2.1.3 Provide details of admission process in the affiliated colleges and the university's role in monitoring the same.

- The MGM Dental College is an unaided institution which is affiliated to the Maharashtra University of Health Sciences (MUHS). The university monitors the admission process which is conducted by the Associate CET held by the AMUPMDC, Maharashtra as per the rules and regulations laid down by Supreme

Court Directives, DCI and MUHS.

2.1.4 Does the institution have a mechanism to review its admission process and student profile annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?

- The admission process is governed by the AMUPMDC Maharashtra, which are done on the basis of merit based on associate CET performance. The role of the college is to complete the admission process by admitting the students who have been allotted by the Associate CET merit list, after verifying the authenticity of the certificates in original. Later the documents of admitted students are sent to the University for confirmation of admission and eligibility to pursue the course. Therefore the institution has no role in deciding or modifying the student profile.

2.1.5 What are the strategies adopted to increase / improve access for students belonging to the following categories:

- * **SC/ST**
 - * **OBC**
 - * **Women**
 - * **Persons with varied disabilities**
 - * **Economically weaker sections**
 - * **Outstanding achievers in sports and other extracurricular activities**
-
- The admissions criteria for the SC/ST, OBC, NT and other backward tribes are enlisted in the brochures of AMUPMDC. It is governed by the Maharashtra schedule castes, scheduled tribes, denotified tribes, nomadic tribes, other backward classes and special backward class. Reservation of seats for SC/ST/OBC/VJ/NT1/NT2/NT3 is as per the government notification No. MED/-2006/1196/CR206/06 Edu-1 (2) dated 24/06/2006. Candidates belonging to reserved category are required to submit the caste certificate and the caste validity certificate from the appropriate authorities of the government of Maharashtra. Candidates claiming for categories applicable will have to produce a non creamy layer certificate of appropriate validity.
 - For admission to MDS 25% of the total seats are reserved for SC, ST, VJ, NT1, NT2, NT3, OBC categories. Reservation of seats for the above categories will be as per the Govt. Notification No: MED/ 2006/1196/CR-206/06 Edu - 1 (2) dated 24/06/06 and candidates are required to submit the proof. 50% of the total seats including the reservation category is allotted by the competent authority of AMUPMDC by centralized admission process from eligible candidates qualified in AMUPMDC CET strictly on merit basis and the remaining 50% seats inclusive of NRI quota is filled by the management strictly on the basis of merit from candidates qualified in the CET conducted by AMUPMDC.

2.1.6 Number of students admitted in the institution in the last four academic years:

Course/ Department	Year	General		SC		ST		OBC		VJ/NT/ SBC		Total	
		M	F	M	F	M	F	M	F	M	F	M	F
BDS	2012-13	11	59	3	3	2	2	5	9	3	3	24	76
	2013-14	9	55	3	8	-	1	2	8	1	12	15	84
	2014-15	11	56	-	8	-	3	4	10	-	8	15	85
	2015-16	11	60	1	5	-	4	1	10	3	5	16	84
MDS (Oral and Maxillofa- cial Surgery)	2012-13	1	-	1	-	-	-	-	-	-	-	2	-
	2013-14	1	-	1	-	-	-	-	-	-	-	2	-
	2014-15	3	-	-	1	-	-	-	-	-	-	3	1
	2015-16	2	1	1	-	-	-	-	-	-	-	3	1
MDS (Conserva- tive Dentistry and End- odontics)	2012-13	2		-	-	-	-	-	-	-	-	2	
	2013-14	1	1	-	-	-	-	-	-	-	-	1	1
	2014-15	-	1	-	-	-	-	-	1	-	-	-	2
	2015-16	-	1	-	-	-	-	-	1	-	-	-	2
MDS (Orthodon- tics and Dentofacial Orthopae- dics)	2012-13	2	1	-	-	-	-	-	-	-	-	2	1
	2013-14	3	-	-	-	-	-	-	-	-	-	-	3
	2014-15	-	2	-	1	-	-	-	-	-	-	-	3
	2015-16		2	-	1	-	-	-	-	-	-	-	3
MDS (Prosthodontics and Crown and Bridge)	2012-13	-	2	-	-	1	-	-	-	-	-	1	2
	2013-14	2	-	-	-	1	-	-	-	-	-	3	-
	2014-15	-	3	-	-	-	-	-	-	-	-	-	3
	2015-16	-	3	-	-	-	-	-	-	-	-	-	3
MDS (Oral pathology and Oral Microbiol- ogy)	2012-13	-	2	-	-	-	-	-	-	1	-	1	2
	2013-14	-	2	-	-	-	-	-	-	-	1	-	3
	2014-15	-	2	-	-	-	-	-	1	-	-	-	3
	2015-16	1	-	-	-	-	-	-	1	1	-	2	1

MDS (Periodon- tics)	2012- 13	1	-	-	1	-	-	-	-	-	1	1	2
	2013- 14	1	1	-	-	-	-	-	1	-	-	1	2
	2014- 15	1	2	-	-	-	-	-	-	-	-	1	2
PG Diplo- ma (Oral and Maxillofa- cial Surgery)	2011- 12	1		-	-	-	-	-	-	-	-	1	-
	2012- 13	-	-	-	-	-	-	-	1	-	-	-	1
	2013- 14	1	1	-	-	-	-	-	-	-	-	1	1
	2014- 15	-	1	-	-	-	-	-	-	1	-	1	1

2.1.7 Has the university conducted any analysis of demand ratio for the various programs of the university departments and affiliated colleges? If so, highlight the significant trends explaining the reasons for increase / decrease.

No.

2.1.8 Were any programs discontinued/ staggered by the institution in the last four years? If yes, specify the reasons.

No.

2.2 Catering to Student Diversity.

2.2.1 Does the institution organize orientation / induction program for freshers? If yes, give details such as the duration, issues covered, experts involved and mechanism for using the feedback in subsequent years.

Yes. Once a year for UG and PG students; duration- one week

Issues covered are:

- The students are detailed on the syllabus and assessment methodology
- Disciplinary issues and code of conduct expected of them
- Hostel regulations
- Facilities available at their disposal
- Introduction to the staff of every department
- Performance appraisal criteria
- Attendance criteria in particular
- The information regarding the anti ragging committee and their contact details are provided during the program.

Experts involved in the orientation program:

- Head of Department of all the departments
- Dean
- Professor of Psychiatry
- Professor of Forensic Medicine
- Expert from the Dental Industry

Feedback

On the induction program a well structured feedback mechanism is in place which is analyzed and appropriate corrective measures are taken to improve the induction program.

2.2.2 Does the institution have a mechanism through which the “differential requirements of the student population” are analyzed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?

- Yes, the institutions has a well established mechanism to identify the differential requirements of the students.
- Information of the newly admitted first BDS and MDS students is collected during the orientation program.

Based on the analysis of the data following measures are taken:

- Students from other state are given training for the local language.
- The hostel mess provides regional food.
- The information regarding the educational loan and organizations for financial help is provided.

2.2.3 How does the institution identify and respond to the learning needs of advanced and slow learners?

The Institution identifies slow and advanced learners through a continuous performance assessment system in place.

The strategies adopted are:

- Slow and advanced learners are identified according to their performance in the internal examinations and class room assessment.
- Each batch has class coordinators assigned to them who follow the progress of the students based on their performance in internal examinations, classroom and clinical hands on performance.
- Special remedial coaching classes are conducted for slow learners. Practice assignments are given for betterment in academic performances.
- Mentors are also appointed to help slow learners to cope with the program.
- If needed, the student is referred to the counselor.
- Advanced learners are provided with opportunities to participate in class room seminars, debates, prepare and submit projects.
- The institution provides assignment books to each student at the beginning of the academic year. The student has to write assignments as suggested by the staff members of the respective departments and submit for evaluation. The assignment books are retained by the students for use in preparing for university examinations.
- Students coming from vernacular medium are given special coaching in English.

2.2.4 Does the institution offer bridge / remedial / add-on courses? If yes, how are they structured into the time table? Give details of the courses offered, department-wise/faculty-wise?

- There is no provision of bridge courses in the syllabus framework of regulatory authority such as DCI. However special classes for slow learners and mentor-student arrangement helps in taking care of students who have difficulties in certain aspect of their study.

2.2.5 Has the institution conducted any study on the academic growth of students from disadvantaged sections of society, economically disadvantaged, differently-abled, etc.? If yes, what are the main findings?

- Yes, the institution has conducted a study on the academic growth of students from disadvantaged sections of society, economically disadvantaged, differently-abled.
- The study was analyzed and remedial measures were suggested and implemented in terms of extra classes and counselling of such students.

2.2.6 Is there a provision to teach the local language to students from other states/ countries?

- Language classes are conducted by the college for both English and Marathi in the Ist and IInd year of BDS course.
- Students from the vernacular medium attend the English classes which help to increase their proficiency, confidence and enhance their academic performance.
- Students from other states and countries attend Marathi classes till they gain some minimum level of proficiency to manage conversation with the patients and localities.

2.2.7 What are the institution's efforts to teach the students moral and ethical values and their citizenship roles?

- The institution holds lectures on moral and ethical values during the white coat ceremony which gives clinical orientation to the students before commencement of III year. During this, lectures are taken on Communication, Doctor-Patient relationship, Code of Ethics, Confidentiality, Common malpractices, Research Ethics, and Patient Record Maintenance.
- The student's role as a good citizen is projected by holding diagnostic and treatment camps for the underprivileged and adopting villages where satellite centers are situated.
- The college ensures that the National feelings, moral and ethical values are kept alive in the young citizens of this country by organizing motivational speeches by officials from public services like Police department, Indian armed forces and public spirited people of high social esteem.
- Students regularly perform flash mobs on issues like Swacha Bharat, anti tobacco and other social problems.
- National days like 15th August, 26th January, World Tobacco Day etc. are celebrated which in turn gives them the feeling of duty and responsibility as a citizen.

2.2.8 Describe details of orientation/ foundation courses which sensitize students to national integration, Constitution of India, art and culture, empathy, women's empowerment, etc.

- During the college week issues like dream India are kept as a theme in art

sessions which gives an opportunity for the future generation of India to express themselves. Students are also motivated to write on national issues in the college magazine.

- The college which strongly believes in Gandhian ideologies sensitizes the students to National integration by having programs where the different states of the country are picturised right from their cultural diversity to cuisine by the different departments of the dental college.
- Women's day is celebrated with great zeal every year when speeches and workshops on women safety, career options in army, personality development, cyber crime and values of housekeeping staff, women empathy and empowerment program are organized.
- Karate training classes were conducted for women students for self protection.

2.2.9 Has the institution incorporated the principles of Life Style Modifications for students based on Eastern approaches in their day to day activities?

- Considering the professional hazards students and faculty are encourage to perform finger and neck stretch exercises and deep breathing exercises between long work sessions.
- The importance of healthy and timely diet is emphasised.
- Sports activities are also encouraged.
- For uniformity and as a mark of professionalism, the students wear a uniform.

2.2.10 Has Yoga/Meditation/any other such techniques been practiced by students regularly as self-discipline?

Yes,

Yoga and meditation sessions are held weekly in the college premises where students and faculty are told about the importance, advantages and right techniques. Students and staff also perform Yoga under supervision by a qualified trainer.

2.2.11 How does the institution attend to the diverse health issues (physical and mental) of students and staff?

- The institution has an indoor, outdoor and gym facility for the physical fitness. They are encouraged to eat healthy diet and abstain from fast foods.
- Yoga and Meditation classes are held regularly to improve the mental status and self discipline of the students and staff.
- There is a hospital facility within the campus to attend to the medical needs and immunization is ensured prior to admission into the institution.
- There is a clinical psychologist in the panel of the college to address psychological issues.

2.2.12 Does the institution cater to the needs of groups / individuals requiring special attention by conducting group classes / special individual trainings / focused group discussion / additional training measures etc.?

Yes,

- The institution identifies the slow learner and fast learner by way of examination and day to day assessment. The students who gets less than 50% marks are treated as slow learner and above 75 % marks are treated as advanced learners.

- The slow learners / individuals are given special coaching by teaching them in small groups by the faculty and mentors.
- Special individual training is given to the student who needs local language assistance and training.
- Special group discussion by way of tutorials and seminars are regularly arranged.
- Depending on the area of difficulty one to one interaction is arranged.

2.3 Teaching-Learning Process:

2.3.1 How does the institution plan and organize the teaching-learning and evaluation schedules such as academic calendar, master plan, teaching plan, rotation plan, course plan, unit plan, evaluation blue print, outpatient teaching, in-patient teaching, clinical teaching in other sites, teaching in the community.

The institution plans and organizes the teaching-learning and evaluation schedules as follows:

*** Academic Calendar:**

- The institution follows the guidelines laid down by MUHS and DCI. The academic calendar is prepared and circulated to staff and students at the beginning of the term. It is also displayed on the website.

*** Master Plan:**

- The master plan for the college is prepared for each year and timetables for the lectures/ practical and clinic are prepared.

*** Teaching Plan:**

- Each department prepares the details of the teaching plan taking into consideration the curriculum and syllabus provided by the Maharashtra University of Health Sciences and DCI for each subject which is placed on the notice board and website.
- The timetable for the rotation clinical posting is prepared for the third year, final year and interns.
- The postgraduate rotation posting is prepared for each specialty as per the specifications of DCI/ MUHS.

*** Course Plan:**

- The Head of Department and the staff meet at the beginning of the term to plan the details of the number of lectures; clinics and lab teaching as per MUHS guidelines. The plan for the students, projects, posters, seminars, chair side clinical discussions, post end exams, viva voce, micro teaching and internal assessment exam for the academic year is implemented.

*** Unit Plan:**

- Each faculty allotted the topic for lectures makes the lesson plan and gets it approved by the Head of Department which is also displayed on the website.

*** Evaluation blue print:**

- Evaluation blue print is prepared by each department keeping in mind the syllabus, the must know, desirable to know and nice to know topics.

- Due weightage to be given to each topic considering its frequency of occurrence and clinical importance as decided by the department in a faculty meeting.
- Question papers are then set based on the weightage and value. This ensures complete coverage of the syllabus in its order of importance.
- For annual examination the papers are set by the university and for all internal examination the papers are set by the respective department as per MUHS and DCI guidelines.

*** Outpatient Teaching:**

- The III year, final year and interns are posted in the clinics for training as per the guidelines laid out in the program. MDS students treat patients in the OPD with emphasis on acquiring specialized clinical skills under the supervision of the faculty.

*** Inpatient Teaching:**

- In order to gain proficiency in management of emergencies interns are posted in the casualty of MGM hospital during their posting in Oral Maxillofacial Surgery (OMFS). They also acquire skills on preoperative management, bed side procedures and management of postoperative patients in the inpatient ward of OMFS. The III year BDS have postings in General Medicine and General Surgery. The PG students of Oral and Maxillofacial Surgery have call duties in casualty 24 X 7 and also have postings in General Surgery, General Medicine, and Neurosurgery for comprehensive learning.

*** Clinical teaching in other Sites:**

- The students are encouraged to visit other dental institution and private dental clinics to enhance their knowledge on comprehensive clinical care.
- They also visit primary health centers, rural centers adopted by the college.
- The postgraduate students of specific specialties have posting at Tata memorial hospital to acquire special skills for management of Head and Neck malignancies.

*** Teaching in community:**

- The College has a social responsibility and has 5 satellite centers to serve the rural population. There are regular postings of interns at these centers.
- In addition there are screening / treatment camps at Taluka hospitals, Zilla Parishad schools, MIDC, Helen Keller School for deaf and dumb, police stations, RTO centers, fire stations, BEST depots, NMMC Depots. Camps are also organized at Ganesh Utsav and Durga Puja Pandals.

2.3.2 Does the institution provide course objectives, outlines and schedules at the commencement of the academic session? If yes, how is the effectiveness of the process ensured?

Yes,

- Meticulous planning for the course objectives and schedule for both BDS and MDS are done as per MUHS and DCI requirements. This is uploaded on website and given to students at the commencement of the academic session. The students are also given the log books and Standard operating protocol for reference and maintenance of records.
- The effectiveness of the program planned is ascertained by evaluating the performance of the students in chair side viva voce, clinical post ending exam, internal assessment exams and presentation of seminar. A report is submitted to the IQAC which ensures effectiveness.

2.3.3 Does the institution face any challenges in completing the curriculum within the stipulated time frame and calendar? If yes, elaborate on the challenges encountered and the institutional measures to overcome these.

Yes,

- The institution does face a problem with the Ist year BDS as the admission process is completed only in September. Therefore challenges are encountered to complete the syllabus in given time.
- The difficulty of completing the syllabus in time is resolved by taking extra lectures which are conducted during vacation.

2.3.4 How learning is made student-centric? Give a list of participatory learning activities adopted by the faculty that contributes to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

- The students participate in the teaching learning activities by presenting seminars, projects, presentations, debates. The unit plan is made available to the students to encourage them to prepare a few questions prior to attending the lecture. This enquiry method of teaching ensures equal participation of the teacher and student in the teaching process and facilitates the student to remember the contents of the lecture lifelong.
- For the Post Graduates the curriculum involves the dissertation, journal clubs, case discussions, seminars, preclinical exercise and teaching activities. The PG's are encouraged to present research papers and posters at National and regional conferences.
- The college also encourages student centric teaching by conducting a scientific day during the college week.
- The students participate in academic competitions like quiz, debates and table clinics. They are also encouraged to participate in other extracurricular activities to ensure their holistic development.

2.3.5 What is the institution's policy on inviting experts / people of eminence to augment teaching-learning activities?

- The institution's policy is to invite the expert faculty of national and international repute to augment the Teaching and Learning activities. A fund is earmarked for the same.
- Inviting people of eminence and experts in the field of dental education technology is regularly done. Regular guest lectures, workshops, CDE programs, National and International Seminars are arranged.

2.3.6 Does the institution formally encourage learning by using e-learning resources?

Yes,

- The UG and PG students are encouraged to use the internet facilities available in each department. The library has computers for access to e-journals, e-books, databases and for acquiring knowledge from e-resources.
- The faculty is encouraged to make their presentations and keep it available on the website as a form of blended learning for easy access to students for reference. The students are encouraged to make their presentations on the PPT and even

journal club discussions are exchanged electronically. College has subscribed to MUHS and EBSCO data bases. The library has access to electronic version of about 42 international journals with their back volumes from 1996.

- The campus is Wi-Fi enabled.

2.3.7 What are the technologies and facilities such as virtual laboratories, e-learning and open educational resources used by the faculty for effective teaching?

- Audiovisual aids with PPT presentation and videos are prepared for easy understanding of difficult procedures and maintained in the department for easy reference.
- Presentations of lectures are carried out in ICT enabled lecture halls. The halls have internet facility to interact on webinars and enhance e-learning.
- All presentations of lectures are uploaded on the library centralized computer for easy access to students when needed.
- The institution subscribes to online journals, online books, MUHS and EBSCO database which is freely available for easy referencing by the staff and students.
- Open education is facilitated by online availability of books, journals and procedure videos. The departments have the collection of presentations/ posters made by students at conferences for reference and education.

2.3.8 Is there any designated group among the faculty to monitor the trends and issues regarding developments in Open Source Community and integrate its benefits in the institution's educational processes?

Yes,

- There is a designated group of faculty who monitors the trends and issues regarding the development in open source community with the help of public health dentistry department and by collecting data during the community posting and surveys.
- Depending on the results of analysis, the needs of the open source community are identified and educational processes related to same is incorporated in the teaching processes and appropriate suggestions are sent to the appropriate authority.
- The institution has an open source community learning program which they utilize for the CDE programs with webinars and video conferencing.

2.3.9 What steps has the institution taken to transition from traditional classrooms into an e-learning environment?

- The institution has lecture halls and seminar rooms with ICT facilities for audiovisual, multimedia presentations, webinars, and video-conferencing.
- The library has e-journals, e-books, databases and videos. The traditional classrooms have evolved to ICT enabled classrooms.
- The campus is Wi-Fi enabled.

2.3.10 Is there provision for the services of counsellors / mentors/ advisors for each class or group of students for academic, personal and psycho-social guidance? If yes, give details of the process and the number of students who have benefitted.

Yes,

- The institution has introduced the mentorship program from the first year for counselling, mentoring and advising the students on academic, psychological

and personal needs.

- A feedback by the mentors is given at regular intervals to improve the output of the slow learners and identify the advanced learners for enhancing their outcome. A psychologist is available to counsel psychologically disadvantaged students.

2.3.11 Were any innovative teaching approaches/methods/practices adopted and implemented by the faculty during the last four years? If yes, did they improve learning? What were the methods used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?

Yes,

- The college has got dental education technology department. The regular training to the faculty is done by calling the trained faculty of MET of the university. They train the teachers on ideal teaching methods for the students.
- Faculty are sent for training at MUHS training centers.
- The departments in addition to the conventional teaching methods like PPT also have implemented innovative teaching approaches like,
 - ▶ Vertical and Horizontal integrated teaching method
 - ▶ Problem based learning
 - ▶ Reflective learning
 - ▶ Critically appraised topic summaries (CAT's)
 - ▶ Peer assisted learning
- Exposing students to recent innovative technologies by allowing interaction with research facility, representatives of dental manufacturing industry and experienced practitioners.
- The newer methods mentioned above are evaluated by a formal feedback system from the students and faculty. It has shown positive impact on teaching and learning processes which is reflected in betterment in results, attendance and a positive feedback from the students.
- The faculty are recognised for their innovations in teaching by appraisal letters, certificates and monetary benefits in the form of promotion and increments. Recognition Certificates are awarded to faculty for innovative teaching.

2.3.12 How does the institution create a culture of instilling and nurturing creativity and scientific temper among the learners?

- The institution instills creativity in students by encouraging them to carry out project work, scientific paper presentation at International, National and regional conferences.
- A day dedicated to scientific programs in the college week when prizes are given for scientific presentations.
- Surveys topics are given to UG's who are encouraged to later write the scientific outcome of the same and publish in journals. The students give innovative presentations at camps for dental education and also organize scientific street plays.

2.3.13 Does the institution consider student projects mandatory in the learning program? If yes, for how many programs have they been (percentage of total) made mandatory?

- * **Number of projects executed within the institution**
- * **Names of external institutions for student project work**
- * **Role of faculty in facilitating such projects**

Yes,

- The institution considers student projects mandatory in the learning processes.
- As a part of mandatory processes the PG students are given dissertation projects as a part of their curriculum and eligibility criteria to appear for the MDS exam.
- The UG students are given small community based projects as a part of their regular posting in the department of community dentistry. Senior faculty act as guides and monitor the selection, protocol and execution of the research project and the institutional research recognition committee and the institutional ethical review committee periodically receives updates and reports on the progress of the projects.

2.3.14 Does the institution have a well qualified pool of human resource to meet the requirements of the curriculum? If there is a shortfall, how is it supplemented?

- Yes, the institution has a well qualified pool of faculty to satisfy the requirements of the BDS and MDS courses as stipulated by the regulatory bodies like the DCI and MUHS. In addition there is regular participation in teaching and learning activities of professor emeritus of high academic and professional standing and visiting faculty to meet the requirements of the curriculum.
- The above staff available in the institution is more than the requirement of statutory bodies.

2.3.15 How are the faculty enabled to prepare computer-aided teaching/learning materials? What are the facilities available in the institution for such efforts?

- The faculty are trained for using computer-aided teaching and learning methodology during their induction training program which is organized by Dental Education Technology Cell. These training programs are organized frequently.
- All departments have the internet facility and access to e-journals in the departmental library to collect data for preparation of lecture series. Lectures are prepared according to the course and unit plan maintained in CD's and Hard drives.

2.3.16 Does the institution have a mechanism for the evaluation of teachers by the students / alumni? If yes, how is the evaluation feedback used to improve the quality of the teaching-learning process?

Yes,

- The faculty is regularly evaluated by the students. The feedback is analyzed and the teacher is informed about their strength and weakness.
- They are advised on improving their weaknesses. The process is monitored by the Dental Education Technology Cell of the college and appropriate measures are taken for improved teaching learning processes.

2.3.17 Does the institution use telemedicine facilities for teaching-learning processes? If yes, cite a few instances.

Yes,

- Telemedicine through internet and Whatsapp is being facilitated at the institution

for discussion and advice on treatments by the faculty for patients reporting to practitioners in remote areas.

2.3.18 Does the institution utilize any of the following innovations in its teaching learning processes?

*** ICT enabled flexible teaching system:**

- Students are encouraged to obtain knowledge using modern learning tools - World Wide Web has been a very helpful tool adopted by students and faculty alike. Students are permitted during college hours by Heads of Departments to collect learning material and obtain knowledge from the Internet. The Internet per se is a vast resource of knowledge, which provides students with information on a number of topics and also gives the students access to computer-based 3D animations that assist in comprehension.

*** Reflective learning:**

- The interns and post graduate students are given exercises of reflective learning where they share and record their clinical experiences, observation and management of specific clinical problems.

*** Simulations:**

- Undergraduate students at the college have an extensive clinical curriculum that is structured across III BDS, IV BDS and Internship. Prior to entering clinics in III BDS, students are expected to obtain a satisfactory grading and 50% marks in their year-end preclinical exercises university examinations in II BDS. The exercises are organized in the simulation labs (phantom head laboratory). Basic preclinical instruction in restorative dentistry begins in II BDS. Students in this year learn the principles of cavity preparation and restoration of adult dentition in the simulation clinics (phantom head laboratory). Silver amalgam, glass ionomer and composite restorations are included in this instruction.
- The aim of the preclinical exercises is to develop skills in various restorative procedures pertaining to the salvage of dentition before students start treating patients per se in III BDS.
- Furthermore, simulation exercises which are part of MDS training for oral Implantology, rotary endodontics, oral maxillofacial surgery, orthodontics are utilized in students training programs.

*** Evidence based medicine:**

- The concept of evidence-based dentistry requires updating oneself with the latest research or literature-based evidence on current trends and the effectiveness of various treatment modalities. As described under 1.1.7 and 2.3.15, faculty in the college update themselves regularly using conventional and modern means and apply the same in lectures, clinical teaching and treatment.
- Emphasis is on development of required skills, adequate knowledge and appropriate attitude to practice medicine.
- The college emphasizes on development of skills first through acquisition of sound knowledge. Hence, as much as possible, didactics, lectures and group discussions precede clinical and practical training. In some departments, clinical skills are first practiced on simulated cases/models. The teaching and assessment pattern ensures that, without sound knowledge practical and

clinical skills cannot be developed.

- Through adequate exposure to treating patients—both in an urban and rural setting—the college believes that students are sensitized to develop an attitude of service essential to practicing dentistry and health sciences. Lectures on personality development and ethics also have a similar aim.
- Based on the institutional goals, the Comprehensive Oral Health Care program is organized in the Department of Public Health Dentistry, which serves as a one-stop clinical facility for some of the most common dental complaints. Providing comprehensive dental care prepares students for private clinical practice after graduation. The quick and effective patient service offered improves time management and enhances patient rapport.

*** Problem based learning (PBL):**

- Problem-based learning is undertaken informally through Clinical Stations and assessed by OSPE and OSCE, in a few departments.

*** Student assisted teaching (SAT):**

- Group discussion and short term projects are considered as a part of student assisted teaching as in these methods the content prepared by the student is utilized to further explain the topic.

*** Self directed learning and skills development (SDL):**

- The students have provision for self-study during college hours, incorporated into the time-table.
- The students are allotted seminars on specific topics on which they need to present before the teachers and other students. This methodology initiates self directed learning.

*** Narrative based medicine: NA**

*** Medical humanities:**

- Special lectures and workshops are conducted including the topics of communication skills, attitude and behavioural skills etc.

*** Ayurveda practices:**

- The college has organized CDE programs in collaboration with other pathies, exploring and highlighting common ground between Ayurvedic medicine and dental care.

*** Yoga practices:**

- The institution organizes Yoga sessions on a regular basis for students and faculty.

*** Yoga therapy techniques:**

- Yoga experts are called to deliver lectures on therapeutic measures for health and peace.

*** Naturopathy and its practices:**

- Naturopathy experts are called from sister concern MGM Institution of Naturopathy to deliver talks on therapies present for dental treatment in Naturopathy.

2.3.19 Does the institution have an Electronic Medical Records facility, staffed by trained and qualified personnel? Is it used for teaching-learning process?

- Yes, there is a Management Information System (MIS) in place. There is medical record section which maintains all the records of the patient coming to the hospital. Special and trained staff is appointed in the department. The data available in the medical record section is used in teaching and learning process in the form of data required for dissertation purposes with due permission from the ethical committee.

2.3.20 Does the institution have well documented procedures for case sheet writing, obtaining informed consent and the discharge process of the patients?

Yes,

- There is a well documented procedure prepared by the experts for case sheet writing.
- The informed consent is available in standardized format as per the guidelines.
- There is standardized format for discharge process.

2.3.21 Does the institution produce videos of clinical cases and use them for teaching-learning processes?

Yes,

Video recording of special cases is carried out and used for teaching learning purpose. Also the PG students maintain record of clinical cases.

2.3.22 Does the institution perform medico legal/post-mortem procedures with a view to train the undergraduate and post-graduate students in medico legal procedures?

- No, as the government of Maharashtra does not allow performing post-mortem at the private dental colleges.
- But in order to train the undergraduate and post-graduate student in the medico legal procedures special lectures by experts are organized in the institution and also student visits are arranged to the government hospitals for observation of medico legal and post mortem training.

2.3.23 Does the institution have drug and poison information and poison detection centres? How are these used to train the students?

NA

2.3.24 Does the institution have a Pharmacovigilance / Toxicology centre /clinical pharmacy facility / drug information centre/Centre for disease surveillance and control/ Prevention through Yoga/Promotion of positive health/Well equipped Psychology Laboratory/ Naturopathic diagnostic centre, etc.?

NA

2.3.25 Laboratories / Diagnostics

*** How is the student's learning process in the laboratories / diagnostics monitored? Provide the laboratory time table (for the different courses).**

*** Student staff ratio in the laboratories / diagnostics.**

- Yes, there are preclinical labs for the Ist and IInd years to have hands on training on phantom heads for Conservative and Prosthodontic training.

- Oral pathology department has labs for training students in Histopathology slide identification and tooth carving exercises. The students are posted in anatomy dissection halls, physiology, biochemistry and pathology labs to enable them to do relevant practical exercises in Ist and IInd year as a preamble to stepping into clinics in III year. The students are monitored for all the procedures carried out with staff to supervise a small group of students.
- In the labs an approximate ratio of 8:1 between students and staff is maintained during laboratory teaching. Group discussions and demonstrations are conducted in the preclinical lab. (Laboratory time tables are available with the respective departments)

2.3.26 How many procedures / clinical cases / surgeries are observed, assisted, performed with assistance and carried out independently by students in order to fulfil learning objectives?

- The students are posted in the clinics in rotation according to their college rotation timetable and number of clinical cases carried out, observed and assisted by the students is documented in the clinical journal and logbooks. The students are posted in the different departments as per the requirement of DCI/ MUHS in BDS. The quantum of work is also as per the requirements of DCI and students are expected to complete the defined quantum of work prior to the exam.
- The details of number of procedures, clinical cases, surgeries to be observed, assisted, performed independently is well planned and available in the respective departments.

2.3.27 Does the institution provide patients with information on complementary and alternative systems of Medicine?

- Yes, the institution provides information on complementary and alternative systems of Medicine like treatments available in other pathies like Auyurveda, Homeopathy and Unani.

2.3.28 What are the methods used to promote teaching-learning process in the clinical setting?

- Prior to the students clinical posting , SOP's and clinical logbooks are given in which each procedure done by the students in clinics are taught to them by the following teaching learning methods:

a) Cognitive:

The knowledge regarding the procedures to be performed by the students is imparted through lectures, small group discussions and SOP's prepared for each procedure.

b) Affective domain:

Where the students are demonstrated aspects like development of self confidence, communication skills, respect and valuing personal relation with patients. The students observe the teachers interaction with patients in a clinical setting and are expected to learn by imitation.

c) Psychomotor skills:

The procedures to be performed are first demonstrated to the students in small groups by the faculty. The students observe the skills and try to repeat it. They are instructed by the staff during the learning process. This process of learning

continues till the students achieve precision and acceptable level of perfection before they perform such skills independently. One minute preceptor method of teaching is undertaken in PG teaching where students examine the patients, arrive at a conclusion and present it in brief. The faculty then tells them precisely what was right, errors are corrected and some general rules are discussed.

2.3.29 Do students maintain log books of their teaching-learning activities?

- The UG, Interns and PG's maintain logbooks where patients details, case histories, procedures observed, assisted and performed independently are recorded.
- PG in addition to the log books with above details, maintain photo albums of special cases, printed seminars and CD's of presentations and critical evaluation report of journal club articles. They also maintain records of scientific papers, posters and table clinics presented at local/ national and international scientific forums.

2.3.30 Is there a structured mechanism for post graduate teaching-learning process?

Yes,

- There is a structured protocol followed by each of the postgraduate departments as per the guidelines of DCI/MUHS. This protocol is explained and given to the students during the orientation program prior to the commencement of the course. This is strictly followed and the performance reports of the PG students is reviewed every month by the PG guides, Head of Department's and Dean. Biannually the report is sent to the MUHS with records. An annual report is also given to the IQAC.
- The attendance, assigned work completed, internal assessment exam performance and progression of thesis work is also periodically reviewed.

2.3.31 Provide the following details about each of the teaching programs :

* Number of didactic lectures:

BDS:

Sr No	Subject	Lecture Hours
I Year BDS		
1	General Human Anatomy Including Embryology , Osteology and Histology	100
2	General Human Physiology Biochemistry	120
3	Dental Anatomy Embryology, and Oral Histology	105
4	Dental Material	20
5	Pre-clinical Prosthodontics	--
II Year BDS		
1	Dental Pharmacology and Therapeutics	70
2	General Pathology	55
3	Microbiology	65
4	Dental Materials	60
5	Oral Pathology and Oral Microbiology	25
6	Pre Clinical Prosthodontics and Crown Bridge	25
7	Pre Clinical Conservative Dentistry	25

III Year BDS		
1	General Medicine	60
2	General Surgery	60
3	Oral Pathology and Microbiology	120
4	Oral Medicine and Radiology	20
5	Pediatrics and Preventive Dentistry	20
6	Orthodontics and Dentofacial Orthopaedics	20
7	Periodontology	30
8	Oral and Maxillofacial Surgery	20
9	Conservative Dentistry and Endodontics	30
10	Prosthodontics and Crown Bridge	30
IV Year BDS		
1	Prosthodontics	80
2	Oral Medicine and Radiology	45
3	Periodontics	50
4	Public Health Dentistry	60
5	Conservative Dentistry	80
6	Oral Surgery	50
7	Orthodontics	30
8	Pedodontics	45

***Number of students in each batch:**

BDS:

I Year	II Year	III Year	IV Year	Interns
100	90	97	129	108

MDS:

Department	I Year	II Year	III Year
Oral and Maxillofacial Surgery	4	4	2
Conservative Dentistry	2	2	2
Orthodontics	3	3	3
Prosthodontics	3	3	3
Oral Pathology	3	3	3
Periodontics	3	3	3

PG Diploma:

	I Year	II Year
Oral and Maxillofacial Surgery	-	2

*** Number of rotations:**

BDS:

Students of I and II year have preclinical postings in dental specialties and lab postings in basic science subjects. III year and IV year have rotation postings in each of the clinical departments which is laid down in the timetable as per the guidelines of MUHS. They have minimum 2 posting in each year. Interns have rotation postings in each department with special emphasis on public health dentistry with comprehensive patient management and posting in the rural satellite centres.

MDS:

In the first year of the MDS course, the PG's of Oral and Maxillofacial Surgery (OMFS) and Oral pathology are posted in allied surgical and medical specialties as per the needs of the subjects. The post graduate students are also rotated in allied dental specialties and participate actively in interdepartmental CDE's and case discussions.

*** Details of student case study / drug study:**

Case studies and surveys are undertaken by the PG students who analyse in depth and perform detailed examination of the special cases, investigations performed, treatment executed and their outcomes. The data from these studies are also incorporated into research projects whenever feasible.

*** Nursing Care Conference (NCC):**

Yes, the students are trained in nursing care and related topics through workshops and nursing care conferences.

*** Number of medical / dental procedures that the students get to see:**

The BDS students are posted in the III year in General Medicine and General surgery where each student is involved in the clinical examination diagnosis and treatment planning, of minimum 20 surgical cases and 20 medical cases.

The BDS students are made to observe special cases in the following departments:

	No of cases
Conservative Dentistry	
Rotary endodontics	5
Endodontics under the microscope	5
Oral and Maxillofacial Surgery	
Comprehensive step by step management of MF trauma	5
Impaction	5
Surgical management of pathologies	5
Oral Medicine and Radiology	
CBCT assessment	5
Oral cancer and precancerous lesion screening	10
Pedodontics and Preventive Dentistry	
Management of anxious child	5
Rampant caries management	5

Prosthodontics and Crown and Bridge	
Implant and implant restorations	2
Laminates	5
Fixed Prosthodontics	5
Cast partial dentures	5
Periodontology	
Soft tissue grafting	1
Flap procedures	5
Gingivectomy	5
Public health Dentistry	
Comprehensive treatment planning	10
Oral Pathology and Microbiology	
Special biopsy techniques	5
Cancer detection	5
Orthodontics and Dentofacial orthopaedics	
Fixed appliances	5
Treatment planning and functional habit breaking appliances	5

The MDS students observe, assist and perform independently varied clinical cases and skills as per the DCI regulations laid down for the specialty.

*** Mannequins / Simulation / skills laboratory for student teaching:**

- There are phantom head laboratories in the department of prosthetics and conservative dentistry where the students observe, learn and do the practical exercises on models mounted in phantom heads. This ensures that students have good understanding and practice of the skill sets before performing the same in patients.
- The interns learn CPR procedures, suturing techniques on mannequins and simulated models.
- The post graduate students of OMFS have hands on practice on fresh cadavers of various surgical procedures like flap harvesting, bone graft harvesting, access osteotomies. The post graduate students of OMFS, Periodontics and Prosthodontics place implants on bone models.

*** Number of students inside the operation rooms at a given time:**

- 2 post graduate students and 2 to 3 interns are actively involved in the surgical procedures done in the operation room

*** Average number of procedures in the ORs per week, month and year:**

- ▶ Total no of procedures in OR per year: 895
- ▶ Total no of procedures in OR per month: 74
- ▶ Total no of procedures in OR per week: 19

*** Autopsy / Post-mortem facility: Not applicable**

2.4 Teacher Quality

2.4.1 How does the institution plan and facilitate its faculty to meet the changing requirements of the curriculum?

- The institution has established a Dental Education Technology Cell (DET). This cell is responsible for continual dental education programs for enhancing professional skills in teaching the UG and PG students.
- The institution organises CDE programs, workshops, guest lectures, conferences to update the knowledge and clinical expertise of the faculty.
- Staff is encouraged to participate and present papers in national and international conferences and workshops. The institution also provides financial grants for the same.

2.4.2 Does the institution encourage diversity in its faculty recruitment? Provide the following details (department / school-wise).

- The college Management has a policy on faculty and staff recruitment and appointment, which the college has adopted and enforced.
- The policy ensures transparency in the recruitment and appointment of faculty members, taking into consideration the DCI requirements of the requisite faculty number. Consequently, faculty profile of the college is diverse and includes faculty members who are graduates of the same college, other colleges from elsewhere in the state as well as from inter-state.
- The complete profile is provided in the table below:

Department	% of faculty from the same institution		% of faculty from other institutions within the State		% of faculty from institutions outside the State		% of faculty from other countries	Total Staff
	Number of faculty	% of faculty	Number of faculty	% of faculty	Number of faculty	% of faculty		
Prosthodontics	2	17	8	67	2	17	-	12
Oral Pathology	-	-	6	75	2	25	-	8
Conservative Dentistry	-	-	5	45	6	55	-	11
Oral and Maxillofacial Surgery	1	9	8	73	2	18	-	11
Periodontics	-	-	6	86	1	15	-	7
Orthodontics	-	-	6	86	1	14	-	7
Pedodontics	1	20	4	80	-	-	-	5
Oral Medicine and Radiology	-	-	6	100	-	-	-	6
Public Health Dentistry	1	20	4	80	-	-	-	5
Total	5	7	53	77	15	23	-	72

2.4.3 How does the institution ensure that qualified faculty are appointed for new programs / emerging areas of study? How many faculty members were appointed to teach new programs during the last four years?

- The institution has a well defined system for appointment of faculty.
- Prior to appointing of faculty members, the college scrutinizes the prospective employee's original degree certificate(s) to ensure their validity in terms of recognition by the DCI.
- Number of years of experience of the concerned faculty member for the particular position (based on DCI-prescribed guidelines), recommendation of senior dentists in the concerned specialty, or the faculty member's previous employer are considered prior to selection and appointment.
- In general, senior members of faculty are selected based on their previous teaching experience, academic background (number and quality of publications, guest lectures, etc.), reference from academic peers and employer(s) and performance in the interview conducted by the Principal and Department Head.
- These ensure that qualified and competent faculty members are appointed.

(The number of faculty members who are appointed during last four years with the details of their specialty in year 2011-14.)

Sr. No	Branch/Speciality	No. of Staff recruited
1	Prosthodontics and Crown and Bridge.	3
2	Oral Pathology and Oral Microbiology.	2
3	Conservative dentistry and Endodontics	6
4	Oral and Maxillofacial Surgery	9
5	Periodontics	3
6	Orthodontics and Dentofacial Orthopaedics.	2
7	Pediatric Dentistry	2
8	Oral Medicine and Dental radiology	2
9	Public Health Dentistry	4

2.4.4 How many Emeritus / Adjunct Faculty / Visiting Professors are on the rolls of the institution?

Professor Emeritus - 04, Visiting Professor -02

2.4.5 What policies/systems are in place to academically recharge and rejuvenate teachers? (e.g. providing research grants, study leave, nomination to national/international conferences/seminars, in-service training, organizing national/international conferences etc.)

Providing research grants:

- The college has the provision for allocating research grants to faculty members

and students. A grant of Rs. 50,000/- is annually set aside for the purpose.

Study leave:

- The college provides study leave for faculty members who wish to pursue further studies/fellowships and visit and utilize extramural facilities.
- In addition, the college also provides study leave to faculty members to pursue scholarly interests to attend external continual education programmes in the capacity of participants or as resource faculty.

Nomination to national/international conferences/seminars:

- The college provides financial support to faculty members for the attendance of national and international conferences and presenting paper as per the rules.

In-service training:

- Faculty members have been deputed for in-service training .

Organizing national/international conferences:

- The institution encourages the faculty to hold National and International workshops at the college.

2.4.6 How many faculty received awards / recognitions for excellence in teaching at the state, national and international level during the last four years ?

Department of Oral and Maxillofacial Surgery:

- ▶ “Out Standing Teacher” for rendering meritorious services in Oral and Maxillofacial Surgery by Nair Dental College and Hospital, Mumbai on March 2013 was awarded to Dr. Jyotsna Galinde.

Department of Prosthodontics:

- ▶ Best teacher award to Dr.Sabita Ram in Bite-in awards in 2014
- ▶ Won Dr. Ratan H. Doctor Award First Prize at 65th Indian Dental Conference held at Bandra Kurla Complex, Mumbai, hosted by IDA Mumbai Branch 11th February, 2012, by Dr. Abhijit Jadhav.

Department of Periodontics :

- ▶ Dr. Richard Pereira was inducted as a fellow of the International College of Dentists (ICD) at a function held in New Delhi on 23rd December 2012.

Department of Pedodontics:

- ▶ Dr.Shrirang Sevekar received best paper award at National conference of Indian Society of Pedodontics and Preventive dentistry held at Jaipur 2013

2.4.7 How many faculty underwent professional development programs during the last four years? (add any other program if necessary)

It is mandatory for all the faculty to undergo research methodology training and Dental education training recognised by MUHS. Apart from this the faculty regularly attend Continuing Dental Education programs, workshops, Hands-on courses and other scientific forums to fine tune their professional skills and update their knowledge in the respective specialities. Details are available with the departments.

2.4.8 How often does the institution organize academic development programs (e.g.: curriculum development, teaching-learning methods, examination reforms, content / knowledge management, etc.) for its faculty aimed at enriching the teaching-learning process?

The institution DET Cell organises 02 academic development programs per year for the faculty in campus. The teachers are also encouraged to attend such programs conducted by the MUHS offsite for enhancement of their knowledge and understanding.

The academic development programs organised are as follows:

1. Basic Workshop on “Research Methodology and Biostatistics”, MGM Scientific Society, MGM DCH on 25th -27th Aug- 2011.
2. Basic Workshop in Research Methodology conducted at MGM Dental College and Hospital, Kamothe, Navi Mumbai from 3rd Oct to 5th Oct 2012.
3. Basic workshop on Research Methodology conducted by Dept of Pharmacology and Therapeutics, Seth GS Medical College and KEM Hospital and MGM Hospital, Mumbai on behalf of MUHS, Nashik from 12th -14th Aug, 2013.
4. Basic workshop on Research Methodology conducted by Dept of Pharmacology and Therapeutics, Seth GS Medical College and KEM Hospital, MGM Hospital Mumbai on behalf of MUHS, Nashik from 12th -14th Aug, 2014.
5. Workshop on “Basic Research Methodology” organized by Scientific Society, MGM Dental College on 10th-12th, Aug, 2015.
6. 3 days “Basic workshop in Health Science Education Technology” organized by Scientific Society, MGM DCH on 19th-21st Aug, 2015.

2.4.9 Does the institution have a mechanism to retain faculty? What is the annual attrition rate among the faculty?

- The institution has faculty since its inception. This is due to the good working condition, encouragement from management, recognition of service and timely promotions.
- The college provides a very conducive atmosphere for academics, research and teaching-learning activities. The college management supports most of the initiatives of faculty, as well as their requirements in terms of equipment, infrastructure, professional development and advancement.
- It is therefore unsurprising that the college has a low attrition rate (less than 10% in past 4 years)

2.4.10 Does the institution have a mechanism to encourage

*** Mobility of faculty between institutions /universities for teaching/research ?**

*** Faculty exchange programs with national and international bodies ? If yes, how have these schemes helped in enriching the quality of the faculty?**

- Mobility of faculty between institutions is encouraged for conduct of examinations (UG and PG)
- The faculty also regularly participate in national and international conferences, workshops to enrich their knowledge.
- The college has in place several Memorandum of Understanding with academic organizations within and outside the country for faculty exchange program. – ERASMUS MUNDUS
- These MOUs have allowed faculty members to participate in the teaching-

learning/research activities at these institutions and cater to students deputed from these institutions. In addition, the college encourages its faculty members, who are invited by external institutions for their specialist skills, to deliver guest lectures and partake with their knowledge and know-how.

2.4.11 Does the institution have well defined career advancement policy for Health Science professionals? If yes, outline the policy.

Yes,

- The institution follows the guidelines laid down by the DCI for the faculty promotion.
- In addition, recommendations of the Head of Department based on the annual performance appraisal of each faculty will be taken into consideration prior to promotion.
- The faculty is encouraged and supported financially to present research papers in national and international conferences.
- Faculty is sponsored for advanced training and fellowships as per the rules.
- Faculty members with extra ordinary performance are given monetary benefits.
- Furthermore, recommendations of the Dean and assessment by students (based on student feedback forms) are also taken into consideration prior to promotion. The aforementioned is described in the college's 'Policies' book, a copy of which is distributed to all faculty members and students.

2.4.12 How does the institution create synergies with other PG institutions for generating required number of specialists and super specialists?

- The institution encourages the students to interact with students from other post graduate institutions and participate in programs conducted by other PG institutions to attain knowledge of the recent trends in the respective branches.
- It is a policy of the scientific society of the college to invite senior members from the other PG institutions to share their ideas and give guest lectures in the CDE programs and workshops conducted in the institution.
- The institution has in place several Memorandum of Understanding with academic organizations within and outside the country for faculty exchange program.

2.4.13 Does the institution conduct capacity building programs / courses in subspecialties for its faculty?

- The institution caters for the capacity building of the faculty in the various sub specialties by holding CDE programs.
- Workshops, hands on courses and research methodology forums are conducted by inviting faculty from other PG institution and international faculty to enhance the knowledge and clinical expertise.

2.5 Evaluation Process and Reforms:

2.5.1 How does the institution ensure that all the stakeholders are aware of the evaluation processes that are in place?

- The institution holds an orientation program at the beginning of the course when the stake holders are informed about the examination and evaluation process which is in accordance to the MUHS.
- At the commencement of the academic term every year, the students are informed

of the examination process, internal assessment exams, university exam scheme and attendance criteria for the exam and non exam going subjects of the year. This is also discussed during the Parent Teachers Association (PTA) meetings.

- The breakup of marks for the internal assessments and the final examinations is also informed to them. The number of internal exams to be taken and the distribution of the marks is explained to them both verbally, in writing and is put in the website.
- The internal assessment marks are displayed on the notice board and the evaluated papers are shown to the students.

2.5.2 What are the important examination reforms implemented by the institution? Cite a few examples which have positively impacted the examination system.

- The institution follows the examination pattern as laid down by the MUHS/DCI.
- Following examination reforms have been carried out by the university and the institution.
 - ▶ The university has made reforms in the last one year with the introduction of communication skills as criteria for assessment during the practical examination.
 - ▶ Also introduction of tooth preparation in pre-clinical Prosthodontics and inlay preparation in pre-clinic conservative dentistry.
 - ▶ However at the institutional level in addition to the internal assessment exam as stipulated by the university, the department conducts formative exams at the end of each topic which enables continuous assessment of student performance and identification of slow learners for whom remedial classes are conducted to improve their understanding of the topic and overall performance. OSCE and OSPE method of evaluation has been implemented in selected departments at the PG level.

2.5.3 What is the average time taken by the university for declaration of examination results? In case of delay, what measures have been taken to address them? Indicate the mode adopted by the institution for the publication of examination results (e.g. website, SMS, email, etc.).

- Average time taken by MUHS for declaration of results is 1 month from the date of completion of practical exam.
- The results are announced on the MUHS website and are displayed on the college notice board.
- The names of the toppers in each year are later displayed on the college website.

2.5.4 How does the institution ensure transparency in the evaluation process?

- The institution has a transparent evaluation system in which 2-3 internal assessment exams are conducted as directed by the University.
- The theory answer sheets are shown and discussed with the students to point out the shortcomings and how they could improve their performance.
- Post end exams are conducted during the clinical postings and a written prototype is given to the evaluators with parameters for assessment of the clinical skills being tested. This ensures transparency and validity.
- The parameters for assessment which includes cognitive, affective and psychomotor domains are also explained to the students.

2.5.5 What are the rigorous features introduced by the university to ensure confidentiality in the conduct of the examinations?

- The university has a controller of examination (UG/ PG section) who controls the conduct of examination.
- To ensure confidentiality the examination centers allotted to the students is other than the parent college.
- The university appoints a flying squad to look into the process of conduct of exam and avoid malpractice.
- The evaluation of the answer sheets is done centrally at CAP centers. The answer sheets are coded to prevent malpractice. The theory exam papers are set online with secret passwords and user names. The externals are appointed to ensure fairness and the convener ensures confidentiality during the practical examination.
- The university ensures prior to appointment that no relatives of the examiners are appearing for the university exam in that year.
- Examination halls are equipped with CCTV cameras.

2.5.6 Does the institution have an integrated examination platform for the following processes?

*** pre-examination processes – Time table generation, hall ticket, OMR, student list generation, invigilators, squads, attendance sheet, online payment gateway, online transmission of questions and marks, etc.**

*** examination process – Examination material management, logistics, etc.**

*** post-examination process – Attendance capture, OMR-based exam result, auto processing, result processing, certification, etc.**

- The institution has an examination committee which looks into the timetable for internal assessment exams, which are decided at the beginning of the sessions and announced to the students.
- The question papers for the internal assessment exams are prepared well in advance and kept in safe custody.
- The invigilators are appointed by rotation.
- The hall ticket for the university exam is generated and issued by the university online and the hall tickets are given only after verification of the attendance record of the student.
- The material and logistics for the internal exams are provided by the institution while that for the university exams is given by MUHS.
- In the internal post exam procedure, the answer sheets are evaluated, shown and discussed with the students.
- The records of internal assessment are maintained in individual files for each student. The students sign their internal assessment marks prior to submission to university.
- An internal audit is carried out prior to submission of internal assessment marks to university.
- The internal assessment records are again audited by a central observer appointed

by the University. This ensures fairness and accuracy and avoids malpractice.

2.5.7 Has the university / institution introduced any reforms in its evaluation process?

- The institution has to follow the guidelines laid down by the MUHS.
- The institution has introduced a continuous formative assessment scheme for UG students and OSCE/ OSPE scheme for postgraduate students.

2.5.8 What is the mechanism for redressal of grievances with reference to examinations? Give details.

- The examination committee of the institution looks into the grievances of the students regarding the internal assessment exam.
- At the university level, the aggrieved students have to personally apply for verification for practical/ oral/ viva voce / re-totaling of marks of theory answer books and scrutiny of the answer scripts.

2.5.9 Does the institution have a Manual for Examinations and if yes, does it specifically take cognizance of examination malpractices by students, faculty and non-teaching staff?

- Yes, the institution examination committee takes care of the examination process and has a manual for examination specifying the guidelines for conduct and taking cognizance of examination malpractices by students, faculty and non-teaching staff.

2.5.10 What efforts have been made by the university to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved the process and functioning of the examination division/ section.

Not applicable.

2.5.11 What are the efforts of the institution in the assessment of educational outcomes of its students? Give examples against the practices indicated below:

- ▶ Compatibility of education objectives and learning methods with assessment
- ▶ Principles, methods and practices.
- ▶ Balance between formative and summative assessments.
- ▶ Increasing objectivity in formative assessments.
- ▶ Formative (theory / orals / clinical / practical) internal assessment; choice based credit system; grading / marking.
- ▶ Summative (theory / orals / clinical / practical).
- ▶ Theory – structure and setting of question papers – Essays, long answers, shorts answers and MCQs etc. Questions bank and Key answers.
- ▶ Objective Structured Clinical Examination (OSCE).
- ▶ Objective Structured Practical Examination (OSPE).
- ▶ Any other.

- The institution follows the university/ DCI defined syllabus. However within the syllabus each department prepares an evaluation blue print with the must know, desirable to know and nice to know objectives clearly defined. The question papers are set according to the weightage given to each topic in the blue print which is updated from time to time according to the needs of the subjects.
- A balance is maintained between the formative and summative assessment. Formative assessment is conducted at the end of each topic while summative

assessment includes 2-3 internal assessment exams as stipulated by the MUHS and an university exam conducted by the MUHS.

- Formative assessment are purely objective and are conducted by giving an MCQ test covering the entire scope of the topic completed. As this test is conducted after each topic, it enables continuous assessment of student's performance, feedback and scope for improvement by attending remedial classes. Formative assessment is also done for practical skills.
- Formative Assessment:
 - ▶ MCQ's for 10 marks are conducted at the end of each topic to assess cognitive domains.
 - ▶ Short formative assessment tests are conducted during the clinical postings for 10 marks each to assess clinical skill sets which includes psychomotor and affective domains.
- Summative assessment:
 - ▶ The patterns/scheme for internal assessment exams and university exams is given by the MUHS. The internal assessment exams three for I to III year and two for final year follows the university pattern with LAQ's, SAQ's and MCQ's. They are conducted for 50 marks each. Practical examination pattern also follows the same exercises expected to be performed in the university exam and is carried out for 50 marks each. Viva voce is conducted during the internal assessment exams.
- The formative and summative exams are also conducted for the PG Students. Formative exams are conducted at the end of every term. A biostatistics exam is conducted after the first year of MDS. A summative prelim exam is conducted with an external examiner prior to the university exam which follows the same pattern as the final university exam.
- The pattern of summative exams is as defined above. A question bank is maintained for easy reference with MCQ's with key answers in the departmental and main library
- OSCE and OSPE are conducted for the post graduate students.

2.5.12 Describe the methods of prevention of malpractice, and mention the number of cases reported and how are they dealt with?

- The university theory examination is conducted in another institution other than the parent college. It is conducted in the central examination hall under the supervision of the centre observer and centre in-charge appointed by the university and senior and junior invigilators.
- CC TV camera system is installed in the examination hall.
- Mobile jammers are in existence.
- The question papers and answer books are received and preserved in a strong room in safe custody. The seal of the question papers is opened by the centre observers in front of 2 student representatives. The examination premises are kept as a restricted area with a guard. An external flying squad conducts surprise visits of the examination centre. There is also an internal vigilance squad to look into the smooth conduct and malpractices if any. A female staff member from a different specialty is placed as an observer to avoid misconduct against women students during the practical/ viva voce.
- No cases of malpractice have been reported in the last 04 years.

2.6 Student Performance and Learning Outcomes:

2.6.1 Has the institution articulated its Graduate Attributes? If so, how does it facilitate and monitor its implementation and outcome?

- The institution believes in holistic development of the student in professional, ethical and moral values, communication skills, national integration and community service.
- The institution holds the “Understanding the scope of clinical dentistry – scope for success” and “planning a career” program conducted by globally recognized Dale Carnegie at the commencement of internship.
- The world peace day is celebrated for national integration and respect for each other’s religion. The students are encouraged to participate in curricular and extracurricular activities beyond the syllabus.
- Institution also runs a pixel club to stimulate their interest in photography.
- They are also encouraged to present papers and posters at national and international conferences.
- The IQAC of the college takes feedback on different parameters, analyzes it in the light of the goals and objectives of the institution and suggests remedial measures and improvements to achieve maximum implementation and outcome.

2.6.2 Does the institution have clearly stated learning outcomes for its academic programs/departments? If yes, give details on how the students and staff are made aware of these?

- Yes, the institution has clearly stated learning outcomes for all of its academic programs.
- The institution follows the guidelines laid down by MUHS and DCI. The UG/PG students at the beginning of the course right from the induction program are explained and given the copies of curriculum, SOP’s, journals and examination manual.
- All these are also available on the website. The timetables and the academic calendar are prepared meticulously to incorporate the academics and other CDE programs to enhance the learning process.
- The staff is made aware of the learning outcomes for its academic programs during the curriculum plan meeting, college council meeting and even in the induction program for the new faculty.

2.6.3 How are the institution’s teaching-learning and assessment strategies structured to facilitate the achievement of the intended learning outcomes?

- The institution has a highly motivated, experienced, skilled and dedicated faculty. The institution has well equipped infrastructure, materials and clinical resource material required to train the students. It runs 5 satellite centers for the treatment of the rural population.
- The institution has a well stocked central library with issue books, journals and back issues reference section having latest books, online access to books and national and international journals, data bases like EBSCO and MUHS digital library and uploaded lectures covering the curriculum.
- Assessment (formative and summative) is conducted in a well structured manner.

The college has also a mentorship and buddy program to improve bonding between staff and students and facilitate better learning and creating a congenial atmosphere towards the same.

- OSCE and OSPE are conducted for the post graduate students.
- Students are encouraged to present papers, posters and table clinics at the college scientific day and national and international conferences. They are trained for public speaking. Feedback forms on teachers and course are obtained at every stage of learning.
- The students are also encouraged to undertake field visit to water purification plants, dental laboratories and private dental practice for acquiring first hand information on clinical practice and dental technology.
- As stated earlier the IQAC of the college takes feedback on different parameters analyzes it in the light of the goals and objectives of the institution and suggests remedial measures and improvements to achieve maximum implementation and outcome.

2.6.4 How does the institution ensure that the stated learning outcomes have been achieved?

- The students are evaluated at regular intervals for the formative and summative assessment. A feedback is taken as well as given to the students as per the performance.
- At the end of the internship program, an exit exam is taken to evaluate the completeness of learning.
- A feedback is taken from the employers of the alumni to assess the performance.

The whole process is monitored by a well structured system right from the staff, Head of Department, Department and to the Dean level. This multilevel monitoring along with IQAC ensures that the stated learning outcomes have been achieved.

CRITERION III

RESEARCH, CONSULTANCY AND EXTENSION





**CRITERION III:
RESEARCH, CONSULTANCY AND EXTENSION**

3.1 Promotion of Research

3.1.1 Is there an Institutional Research Recognition Committee which monitors and addresses issues related to research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.

- Yes, the Institution has a dedicated Institutional Research Recognition Committee, comprising of faculty members who monitor and address issues related to undergraduate, postgraduate, intramural and extramural research.

The Institutional Research Recognition Committee is composed of:

- Dr. Sabita M. Ram Chairperson, Dean, Professor and Head of Department of Prosthodontics.

Members:

- Dr. Vanitha Shenoy, Professor and Head of Department of Conservative Dentistry and Endodontics
- Dr. Jyotsna Galinde, Professor and Head of Department of Oral and Maxillofacial Surgery
- Dr. Ravidranath KV, Professor and Head of Department of Orthodontics and Dentofacial Orthopedics
- Dr. Ashvini Padhye, Professor and Head of Department of Periodontics
- Dr. Pradnya Jadhav, Professor and Head of Department of Oral, Medicine and Radiology
- Dr. Shilpa Patel, Professor and Head of Department of Oral Pathology and Microbiology
- Dr. Shrirang Sevekar, Reader, Department of Paediatric and Preventive Dentistry
- Dr. Maninder Singh Setia, Visiting Professor , Research Methodology M.G.M Medical College and Hospital, Aurangabad
- Dr. Srivalli Natrajan, Member Secretary, Professor Department of Oral and Maxillofacial Surgery

Recommendations of the Institutional Research Recognition Committee:

- Invite research proposals from individuals, students, faculty, external institutions and industry abiding to policy on type of research deemed admissible, for which it assembles at least twice annually.
- Student research proposals and research projects incurring costs below Rupees One lakh are governed by guidelines for short term research.
- Intramural and extramural research proposals and research projects by faculty, institution and industry incurring costs above Rupees One lakh are governed by guidelines for long term research.
- Forwards admissible research proposals for ethical clearance to the Institutional Ethics Review Committee MGMDCH.
- Recommend projects to the management for allocation of funds for research.

- Allocate, supervise and audit funds for research proposals once cleared by the Institutional Ethics Review Committee MGMDCH.
- Promotion of Institutional Journal: Journal of Contemporary Dentistry.
- Routes applications, permissions, intellectual property rights and memorandum of understanding to external institutions as extension and consultancy of intramural or extramural research.
- Works in tandem with the M.G.M Dental College Scientific Society for organizing research workshops / scientific conferences / Continuing Dental Education Programs.

Impact of the recommendations of the Institutional Research Recognition Committee over the last 5 years:

- Departmental research has been facilitated by infrastructure, resources and facilities recommended by committee.
- Recommended library resources facilitated research activity through back volumes of journals, online subscription to journals and Internet facilities.
- Increase in number of scientific publications in national and international journals.
- Increased number of interdisciplinary intramural and extramural research activity leading to staff consultancy and research linkages with external institutions and industry.
- Successful launch and indexing of Institutional Journal: The Journal of Contemporary Dentistry.
- Established memorandum of understanding with external institutions for use of facility and their resources for extramural research.

3.1.2 Does the institution have an institutional ethics committee to monitor matters related to the ethics of inclusion of humans and animals in research?

- Yes, the college has the Institutional Ethics Review Committee MGMDCH with the following members abiding to the norms set as per DCGI [Drug Controller General of India]. Approval from this committee is mandatory prior to any research being carried out at the institution.

1	Dr. Deepak Kumar Govindrao Langade	Chairman	MD (Pharmacology) Bharati Vidyapeeth's Deemed University Dental College and Hospital, Navi Mumbai
2	Dr. Srivalli Natara-jan	Member Secretary	MDS (Dept of Oral and Maxillofacial Surgery)
3	Dr. Sabita M. Ram	Clinician	MDS (Prosthodontics and Crown and Bridge)
4	Dr. J. S. Galinde	Clinician	MDS (Dept of Oral and Maxillofacial Surgery)
5	Dr. Vanitha U. Shenoy	Clinician	MDS (Dept of Conservative and Endodontics)
6	Dr. Ravindranath V. K.	Clinician	MDS (Dept of Orthodontics and Dentofacial Orthopaedics)

7	Dr. Jyoti Nadgere	Clinician	MDS (Dept of Prosthodontics and Crown and Bridge)
9	Dr. Ashvini Padhye	Clinician	MDS (Dept of Periodontics)
6	Dr. Shilpa Patel	Clinician	MDS (Dept of Oral Pathology and Microbiology)
10	Dr. Rajesh Goel	Clinician	MD (Dept of Preventive and social Medicine)
11	Adv. Geeta Srivastava	Legal Expert	BA, MA, B.Sc., B.Ed., LLB, LLM
13	Father K. M. Philip	Lay Person	Bachelor of Theology
12	Rupali Gujar	Social Scientist	BA, MSW
3	Dr. Chander Puri	Scientific Member	PhD (Biotechnology)
14	Mr. Pandurang Thatkar	Scientific Member	B.Sc. (Computer Science), M.Sc. (Statistics)

- The committee is approved by Drug Controller General of India (DCGI), New Delhi, with the Ethics Committee Registration No. ECR/786/MH/2015 issued under Rule 122DD of the Drugs and Cosmetic Rules 1945.
- The Institutional Ethics Committee meets twice a year for scrutiny and possible clearance of research synopsis particularly those related to post graduate student dissertation and clinical trials.

3.1.3 What is the policy of the university to promote research in its affiliated / constituent colleges?

- The affiliating university – MUHS, Nashik prescribes mandatory research work during the Post-Graduation course in the form of dissertation towards partial fulfilment for Master of Dental Surgery. The University offers Ph.D. program in Dental profession.
- The University provides Rupees Twenty five thousand annual grant for research to Undergraduate student and Rupees One Lakh for long term research studies by Staff and employees.
- The university has an online database for free access to journals to promote research.
- The MUHS has a medical education and technology cell which help in organising workshops in advanced medical education.

3.1.4 What are the proactive mechanisms adopted by the institution to facilitate the smooth implementation of research schemes/projects?

a. Externally funded projects (both government and private agencies):

* Advancing funds for sanctioned projects

- The institution encourages the staff and students to apply for external funding. Once the research is approved for funding by the funding agency, the fund amount shall be credited to the College account which will be dispersed at regular intervals to the researcher as per research proposal and phase of research.

- ▶ In case of delay in receiving funds from the funding agency, the college shall allocate 10% advance amount to ensure research is undertaken without delay.

*** Providing seed money**

- ▶ Seed money is sanctioned under the directive of Institutional Research Recognition Committee to ensure timely commencement of the research when external funding is in process or transaction.

*** Simplification of procedures related to sanctions / purchases to be made by the investigators.**

- ▶ The principle investigator applies to the Institutional Research Recognition Committee for purchase of desired instruments and materials for research, which is sanctioned on priority and made available to the investigator to carry out the research.

*** Autonomy to the principal investigator/coordinator for utilizing overhead charges.**

- ▶ The principal investigator has autonomy in research purchases, use the facilities of the college and linked institutions and can utilize fund provided as per need of phase of project, and apply for further funding if the need arises to the Institutional Research Recognition Committee

*** Timely release of grants.**

- ▶ The progress of the project is supervised from time to time by the Institutional Research Recognition Committee which assesses admissible proposals for additional funding which can be dispatched as per merit.

*** Timely auditing.**

- ▶ All principle investigators are required to account for the amount of fund utilized for the phase of the research project depending upon the duration of the project. Financial audit is done by the accounts section of the Dental College annually.

*** Submission of utilization certificate to the funding authorities.**

- ▶ Yes, a certificate of utilization is submitted to the funding agency as per prescribed format

*** Writing proposals for funding:**

- ▶ Research proposals are written by researchers under the guidance of the Head of Departments and senior faculty members. This proposal for funding is placed before the IRRC of MGMDCH for approval.

*** Any training given for writing proposals.**

- ▶ The college has conducted workshops on research methodology that have addressed methods on writing research proposals. The senior faculty also provides inputs on research proposal structuring to junior faculty and student members.
- ▶ A visiting Faculty Dr Maninder Singh Setia is appointed as expert for research methodology.

b. Institution sponsored projects:

*** Proportion of funds dedicated for research in the annual budget.**

- ▶ Rupees 60 lakhs i.e. 5% of annual budget, released by the management is earmarked for research activity annually.

*** Availability of funding for research /training/resources.**

- ▶ Seed money to carry out research is provided by the College.
- ▶ The College internally funds short term research projects.
- ▶ The College provides transportation allowance and registration allowance for faculty to attend national and international conferences.
- ▶ The college also conducts workshops and continuing dental education programs which enhances research.
- ▶ Publication charges are sanctioned to staff members who publish their research in international journals.

***Availability of access to online data bases.**

- ▶ The college subscribes to online databases such as Science Direct, EBSCO's Dentistry and Oral Sciences Resources, which provides access to full text of 301 journals and 50 abstracts, 31 e-books and monographs and 21 scientific magazines (<https://search.ebscohost.com>); The college has direct access to e-resources via institutional IP address to PubMed, BMJ, Directory of Open Access Journals (DOAJ), Cochrane Library, Wiley online library, Oxford University Press, Wolters Kluwer. The college also has access to over 77 online dental journals through the MUHS online consortium, which is accessible via the affiliating university's website (www.muhs.ac.in).

3.1.5 How is multidisciplinary / interdisciplinary / trans-disciplinary research promoted within the institution?

*** Between/among different departments**

- There are initiatives for multidisciplinary and interdisciplinary research. The college conducts monthly Clinico-pathological meetings involving all specialties of dentistry that focus on new approaches and interventions in diagnosis and management of disease.
- Interaction with certain departments has rendered interdisciplinary research possible through inter-departmental collaborations as in
 - ▶ Oraland Maxillofacial surgery-Oral Pathology and Microbiology-Oral Medicine and Radiology.
 - ▶ Prosthodontics and Crown and Bridge - Oral and Maxillofacial Surgery-Periodontics.
 - ▶ Prosthodontics and Crown and Bridge - Conservative Dentistry and Endodontics- Periodontics.
 - ▶ All departments have Epidemiological inter departmental collaborations with Public Health Dentistry.
 - ▶ Paediatric and Preventive Dentistry with Oral and Maxillofacial Surgery and Prosthodontics and Crown and Bridge.
- Inter departmental collaboration exist between Dental departments and Departments of Medical, and Engineering College.
- Undergraduate students are also encouraged to present papers on subjects of multidisciplinary dentistry.
- Trans-disciplinary research between the dental and engineering college has received funding from Bhabha Atomic Research Center, Mumbai.

*** Collaboration with national/international institutions / industries.**

The institution has the following collaborations for research:

- Bhabha Atomic Research Center, Mumbai and Govt. of India, Department

of Atomic energy, Board of Research in Nuclear Sciences for Design and development of manufacturing technology for low cost indigenous dental implants and Comparative evaluation of surface characteristics of titanium plates treated with dual acid etch technique.

- National Institution of Reproductive Health for stem-cell research.
- Maaya foundation in collaboration with M.G.M Dental College and Hospital for Cleft Lip and Palate Research.
- Department of Medical Genetics, MGM Institution of Health Sciences for Histopathologic studies.
- Oral B India for patient evaluation programs and promoting oral care awareness among dental students and patients.
- Research with Oral B with regard to dentinal sensitivity.
- S.I.E.S Institution, Navi Mumbai for mechanical material testing for strength of material testing.
- IIT Mumbai for using Local Drug Delivery system.
- Department of Biochemistry, Sion Hospital, Mumbai for oral squamous cell carcinoma research.
- ACTREC, Navi Mumbai for S.E.M analysis.
- C.U. Shah College of Pharmacy for using Local Drug Delivery system.
- D.Y. Patil Medical College and Hospital, Navi Mumbai for oral squamous cell carcinoma research.
- Department of Physiology, MGM's Medical College and Hospital, Kamothe, Navi Mumbai for effect of virgin olive oil on dental plaque.
- Department of Anaesthesiology, M.G.M Medical College and Hospital, Navi Mumbai for use of nitrous oxide sedation for dental treatment of paediatric patients.
- Yashraj Biotech for Cancer Research.
- Rural Dental College, Loni for student exchange program and multi centric research.
- Vidya Shikshan Prasarak Mandals Dental College and Hospital, Nagpur for student exchange program and multi centric research.
- PRAJ Laboratory Institution, Pune for dental materials research.
- Data-colour Lab, Andheri for S.E.M Study.
- CAD center, Vashi for finite element analysis.
- Dental Ceramist for CAD/CAM and dental laboratory studies.
- Insight CBCT Center, Vashi and Bandra for CBCT studies.
- Orthomax Manufacturing Pvt. Ltd: Osseous plates research.
- AK Surgical Pvt. Ltd.: Osseous plates research.
- Research collaboration with European Union Seven Universities (ERASMUS MUNDUS), UNIVERSITEIT GENT.

3.1.6 Give details of workshops/ training programs/ sensitization programs conducted by the institution to promote a research culture in the institution.

- Members of faculty and Post Graduate students are required as per MUHS guidelines to attend workshop on research methodology which is held annually to introduce research methodology culture to new faculty and PG students.
- Workshop on Good Clinical Practice guidelines is conducted to acclimatize staff members on how to conduct clinical trials involving drugs or interventions.
- Continual professional education programs which cover aspects of research methodology such as literature review and qualitative research are conducted periodically for Post Graduate students.
- Bio-statistics is taught to students as per curricular guidelines which help promote their research endeavours.
- The college holds workshops, training/sensitizing programs and encourages the Staff, postgraduate and undergraduate students to present papers, posters and table clinics at the college scientific day celebrations and prepare for representation at national and international conferences thus promoting a research culture in the institution.

National Conferences and Workshops:

Year	Department	Date	Event
2011	Prosthodontics and Crown and Bridge	22/07/2011	Workshop on Manipulation and Hands-on of Newer Impression Material and Direct Laminate Veneers
	Oral and maxillofacial surgery	23/07/2011	Basic Suturing Techniques Hands on Training Program.
	Pediatric and Preventive Dentistry	24/08/2011	IDA Colgate Future Dental Professionals Program : Career Guidance To Graduating Dental Students
	Public Health Dentistry	25/08/11-27/08/2011	Research Methodology and Biostatistics Workshop
	Conservative Dentistry and Endodontics	09/09/2011	Anterior Esthetics with Direct Veneers, Smile Designing, Preparation, Layering , Finishing and Polishing. Lecture and Hands on training
	Oral Pathology and Microbiology	20/09/2011	Tobacco Control Research in India: By Dr. P.C Gupta
	Prosthodontics and Crown and Bridge	22/09/2011 – 23/09/2011	Workshop on Maxillofacial Prosthodontics
	Oral and maxillofacial surgery	18/11/2011– 20/11/2011	4 th National Workshop on Contemporary Oral andMaxillofacial Surgery
2012	Orthodonticsand Dento-facial Orthopedics	26/03/ 2012	To Origin of Perfection. Art of Taking Quality Impression Hands on Training.
	Conservative Dentistry and Endodontics	28/04/2012 and 9/04/2012	Advanced Endodontics Hands on Training program
	Conservative Dentistry and Endodontics	12/05/2012 and 3/05/2012	Breakthrough In Endodontics Hands on Training program
	Oral Medicine and Radiology	16/08/ 2012	Use And Application of CBCT In Dentistry
	Prosthodontics, Crown and Bridge	6/09/2012- 7/09/2012	Workshop on Bio-Functional Prosthetic System with lecture and live demonstration on patient.
	Oral and Maxillofacial Surgery	12/09/2012- 13/09/2012	Basic suturing techniques Hands on training program
	Public Health Dentistry	3/10/2012 - 5/10/2012	Research Methodology and Biostatistics Workshop
	Oral and Maxillofacial Surgery	19/10/2012 - 21/10/2012	5th National Workshop on Changing Trends In Oral and Maxillofacial Surgery
	Prosthodontics, Crown and Bridge	6/11/2012	Orientation Lecturer And Hands On Program On Implants” Conducted By Nobel Biocare

Year	Department	Date	Event
2013	Prosthodontics, Crown and Bridge and Pediatric and Preventive Dentistry	25/04/2013	Naso-Alveolar Moulding in Cleft Lip And Palate Patients
	Oral and Maxillofacial Surgery	20/06/2013 – 21/06/2013	Basic Suturing Techniques: A hands on training program
	Public Health Dentistry	12/8/2013-14/8/2013	Research Methodology and Biostatistics Workshop
	Periodontics	21 /08/ 2013	Implant Based Rehabilitation – The Current Scenario : A hands on Training Program
	Prosthodontics, Crown and Bridge	4/9/2013	Demonstration Of Lab Procedures in Metal Free Ceramic Restoration
	Oral and Maxillofacial Surgery	22/10/2013.	Conscious Sedation” And Hands-On course on “Administration of Conscious Sedation”
	Oral Pathology and Microbiology	8/11/2013-10/11/2013	Scientific Session of XXII National Conference of IAOMP
	Prosthodontics, Crown and Bridge	14/11/ 2013	Simplified Prosthetic Approach To Complex Intra-Oral Maxillofacial Situation
2014	Oral and Maxillofacial Surgery	24/03/ 2014	Basic Suturing Techniques : hands on training program
	Prosthodontics, Crown and Bridge	08/8/2014	Dental Laminates And Veneers: A lecture and hands on training program
	Public Health Dentistry	12/8/2014-14/8/2014	Research Methodology and Biostatistics Workshop
	Prosthodontics, Crown and Bridge	3/09/14	Workshop on “Digital smile designing”
	Conservative Dentistry and Endodontics	16/10/2014	Basics Of Rotary Endodontics And Obturation : A hands on training program
2015	Oral Medicine and Radiology	09/01/2015	Workshop on Implant Planning on CBCT
	Orthodontics and Dento-facial Orthopedics	24/07/2015	Dentistry: A Through The Lens Perspective
	Conservative Dentistry and Endodontics and Prosthodontics	29/7/2015	Advances In Adhesive Dentistry: A hands on training program
	Prosthodontics, Crown and Bridge and Conservative dentistry and Endodontics	07/08/2015	Esthetic Dentistry : An Update: Students Sensitization Program
	Public Health Dentistry	10/8/2015 -12/8/2015	Research Methodology and Biostatistics Workshop
	Oral Pathology and Microbiology	19/08/2015 – 21/08/2015	Basic Workshop In Health Sciences Education Technology
	M.G.M Dental College and Hospital	1/09/2015 - 3/09/2015	Skills For Success : Dale Carnegie Training

International Workshops:

Year	Department	Date	Event
2012	Orthodontics and Dento-facial Orthopedics	27/07/2012-29/07/2012	An International Workshop On Class II Correction
2013	Orthodontics and Dento-facial Orthopedics	13/07/2013-14/07/2013	Biomechanics: Meet the Elite: A rendezvous with Dr.Charles Burstone
	Conservative Dentistry and Endodontics	13/11/2013	Self Adjusting File-A Recent Introduction to Endodontic practice by Dr. Zvi Metzger: A Hands on Training program

2014	Oral and Maxillofacial Surgery	19/02/2014-23/02/2014	6th International Workshop and Master Course On Maxillofacial and Craniofacial Surgery
	Prosthodontics, Crown and Bridge	20/9/2014	Temporo Mandibular Disorder and Orofacial Pain
2015	Oral and Maxillofacial Surgery	11/09/2015 to 13/09/2015	AOCMF Workshop for Craniofacial Fracture Management
	Conservative Dentistry and Endodontics	1/7/2015	Simplifying Endo With Single Niti Files System Preparation And Single Cone Obturation With The New MTA Sealer: a hands on training program

3.1.7 How does the institution facilitate researchers of eminence to visit the campus? What is the impact of such efforts on the research activities of the institution?

- Eminent researchers are invited to campus on occasion of continuing dental education programs, dental specialty conferences, national and international Workshops.
- Inviting eminent speakers inculcates the interest in research activities and makes the environment vibrate with activities for research.
- Their travel and their accommodation are taken care of by the college for the benefit of staff and student community.

The eminent speakers who have visited our college to name a few are:

- Dr. Charles Burstone is well known for the development of the field of scientific biomechanics. Developed the Segmented Arch by the use of sound engineering principles.
- Dr. D.K.Daftary an Oral Pathologist from Bombay University, a leading authority in oral cancer diagnosis.
- Dr. P.C Gupta , an eminent Epidemiologist in Oral Cancer research.
- Dr. Anita Borges is President of Centre of Excellence in Histopathology and IHC - Mumbai GKM of SRL Diagnostics Private Limited and served as its Director of Centre of Excellence in Histopathology and IHC - Mumbai GKM.
- Dr. Mohit Kheur , a renowned Maxillofacial Prosthodontist
- Dr. G. E. Ghali (DDS, MD, FACS): Dr. Ghali is Professor and Chairman of the Department of Oral and Maxillofacial Surgery at Louisiana State University Health Sciences Center.
- Dr. Khursheed Moos (OBE FRCS (Edin).FDSRCS (Eng. and Edin) FDSRCPS (Glasg): is an Honorary Consultant at Glasgow Dental Hospital and School.
- Dr. Mark Schoemann, Medical director, Plastic surgery, Operation Smile.
- Dr. Melwyn Yeoh , Louisiana state university, USA
- Dr Gurkeerat Singh is registered with the Royal College of Surgeons, London as well as the Royal College of Physicians and Surgeons of Glasgow. He is a diplomat of the Indian Board of Orthodontics with expertise in 3D technology in Orthodontics, to self-ligation and bite jumping appliances
- Dr. Noshir Mehta is Professor and Chairman of the Department of General

Dentistry, Director of the Craniofacial Pain Headache and Sleep Center and Associate Dean of International Relations at Tufts University School of Dental Medicine in Boston.

- Dr. Zvi Metzger is faculty at the Tel Aviv University School of Dental Medicine.
- Dr. Stefano Benedicenti is the Dean of the LASER department, Università degli Studi di Genova.
- Dr. Suchetan Pradhan is Director, Department of Laser Dentistry, Manipal.
- Dr. Timothy Turvey is the Chair person of Oral and Maxillofacial Surgery and teaches/practices a broad scope of oral and maxillofacial surgery at the University of North Carolina.
- Dr. S. Gosla Reddy is a Maxillofacial surgeon with GSR Institution of Cranio-maxillofacial and Facial Plastic Surgery with expertise in cleft lip and palate surgery.

3.1.8 What percentage of the total budget is earmarked for research? Give details of heads of expenditure, financial allocation and actual utilization.

- The College has made a financial policy of allocating funds upto Rupees 60 Lacs annually that comprises about 5% of annual college budget towards Research initiatives. The allotted budget is utilized for research, library resources and materials.

YEAR	EXPENDITURE ON RESEARCH IN RUPEES
2013-14	50 Lacs INR
2014-15	60 Lacs INR

- ▶ Research Instrument and equipment, Infrastructure, Purchase of Books and Journals, Seed Money to the Researchers, Research grants etc are the heads of expenditure.

3.1.9 In its budget, does the university earmark funds for promoting research in its affiliated colleges? If yes, provide details.

- Yes, the affiliating university –Maharashtra University of Health Sciences provides fund to the faculty members to undertake short and long term research. The research grant amounts to Rupees One lakh for research activity for staff and Rupees Twenty five thousand for undergraduate.

3.1.10 Does the institution encourage research by awarding Postdoctoral Fellowships/ Research Associateships? If yes, provide details like number of students registered, funding by the institution and other sources.

- The institution is under the Maharashtra University of Health Sciences for awarding B.D.S and M.D.S Degrees. The Institution cannot award post-doctoral fellowships.

3.1.11 What percentage of faculty have utilized facilities like sabbatical leave for pursuit of higher research in premier institutions within the country and abroad? How does the institution monitor the output of these scholars?

- 10% of faculty have availed the facility of special leave which is granted for specific periods of time to individuals engaged in research after sanction from the Institutional research committee.
- The Institutional Research Recognition committee reviews the faculty output

with the help of the concerned Head of Department.

- Dr. Sunil Sidana trained for aesthetic surgery.
- Dr. Ashvini Padhye completed courses on implantology at Landsberg, Germany and advanced bone regeneration techniques at Budapest, Hungary; Perioesthetics at Jakarta, Indonesia.

3.1.12 Provide details of national and international conferences organized by the institution highlighting the names of eminent scientists/scholars who participated in these events.

The following National/ International Conferences were organized by the Institution under the aegis of M.G.M Dental College Scientific Society:

National Conferences and Workshops :

Year	Event	Date	Eminent Speakers
2011	Research Methodology and Biostatistics Workshop	25/08/2011-27/08/2011	Dr. Nagesh L Dr. Pooja Agarwal Dr. Ravi Shirahatti
	Workshop on Maxillofacial Prosthodontics	22/09/2011 – 23/09/2011	Dr. Mohit Kheur
	4 th National Workshop on Contemporary Oral and Maxillofacial Surgery	18/11/2011 – 20/11/2011	Dr. Dinesh Daftary Dr. Sherry Peter Dr. Rajiv Borle Dr. Mukund Jagannathan Dr. Anagha Joshi Dr. Vasant Shewale. Dr. Gopal Krishnan Dr. Tejraj Kale Dr. Anita Borges Dr. Kiran Gadre Dr. Ashok Dabir Dr. Vimal Kalia Dr. S. M. Balaji
2012	Research Methodology and Biostatistics Workshop	3/10/2012 -5/10/2012	Dr. Nirmal Rege Dr. Rakhi Tripathi Dr. Pankaj Sarkate Dr. Yashashree Shetty Dr. Padmaja Marathe
	5th National Workshop On Changing Trends In Oral and Maxillofacial Surgery	19/10/2012 -21/10/2012	Dr. Vimal Kalia Dr. Seema Majumdar Dr. M. Jagannathan Dr. V. Shewale Dr. Vinod Kapoor Dr. Anita Borges Dr. Rajesh Dhirawani Dr. Mark Schoemann Dr. Gosla Reddy Dr. S M Kotttrashetty Dr. Prabha Yadav Dr. Cariappa

2013	Research Methodology and Biostatistics Workshop	12/8/2013-14/8/2013	Dr. Nirmal Rege Dr. Rakhi Tripathi Dr. Pankaj Sarkate Dr. Yashashree Shetty Dr. Padmaja Marathe
	Scientific Session of XXII National Conference Of Indian Association of Oral and Maxillofacial Pathologists	8/11/2013-10/11/2013	Dr. Francesco Spadari Dr. Dario Costantino Dr. Anita Borges Dr. Shubhda Kane Dr. Pankaj Chaturvedi Dr. D.K. Daftary Dr. Hemant Umarji Dr. Nilam Andrade Dr. Jay Gopal Ray.
	Simplified Prosthetic Approach To Complex Intra-Oral Maxillofacial Situation	14/11/2013	Dr. Naisargi Shah Dr. Jyoti Nadgere Dr. Sandeep Gurav Dr. Tulika Khanna Dr. Janani Iyer Dr. Swapnali Mhatre Dr. Anuradha Mohite
2014	Research Methodology and Biostatistics Workshop	12/8/2014-14/8/2014	Dr. Nirmal Rege Dr. Rakhi Tripathi Dr. Pankaj Sarkate Dr. Yashashree Shetty Dr. Padmaja Marathe
2015	Research Methodology and Biostatistics Workshop	10/8/2015-12/8/2015	Dr. Nirmal Rege Dr. Rakhi Tripathi Dr. Pankaj Sarkate Dr. Yashashree Shetty Dr. Padmaja Marathe
	Basic Workshop In Health Sciences Education Technology	19/08/2015 – 21/08/2015	Dr. Seema Anjenaya, Dr. Aditya Sathe, Dr. Shilpi Sahu Dr. Rita Khadkikar Dr. Jaishree Ghanekar Dr. Santosh Salgare Dr. Rita Khadkikar Dr. Jaishree Ghanekar Dr. Santosh Salgare Dr. Sujata Kanhere Dr. Munira Abbas Dr. Pinaki Wani Dr. Jaishree Ghanekar Dr. Shital Poojary Dr. Varsha Phadke Dr. Sunil Kuyare Dr. Rohini Bhadre
	Skills For Success: Dale Carnegie Training	1/09/2015 - 3/09/2015	Dr. Ratnadeep Patil Dr. Pranati Patil Mr. Philip David Mr. Elton

International Conferences and Workshops:

Year	Event	Date	
2012	An International Workshop On Class II Correction	27/07/2012-29/07/2012	Dr. Yen Dr. Daljit Gill Dr. N.R. Krishnaswamy

Year	Event	Date	
2013	Biomechanics: Rendezvous with Dr.Charles Burstone : Meet the Elite	13/07/2013-14/07/2013	Dr. Charles Burstone
2014	6th International Workshop and Master Course On Maxillofacial and Craniofacial Surgery	19/02/2014-23/02/2014	Dr. Anita Borges Dr. Dinesh Daftary Dr. G. E. Ghali Dr.Vijayalakshmi Kotrashetti Dr. Deepak Kulkarni Dr. Gopal Krishnan Dr. Timothy Turvey Dr. Gosla Reddy Dr. Melvyn Yeoh Dr. Kiran Gadre Dr. Ashok Dabir Dr. S. M. Balaji Dr. Vimal Kalia Dr. S. M. Balaji
2015	AOCMF Workshop for Craniofacial Fracture Management	11/09/2015 to 13/09/2015	Dr. Sameer Kumta Dr. Hamed A L-Bargi Dr. Jingang AN Dr. Mirta Reksodiputro

3.1.13 Mention the initiatives of the institution to facilitate a research culture in the below mentioned areas:

*** Training in research methodology, research ethics and biostatistics:**

- The institution holds training workshops on research methodology and biostatistics under the aegis of M.E.T cell of the MUHS, Nashik for both the staff and post graduate students, which includes training on bio-ethics, biostatistics and research methodology.
- The DET cell of the institution conducts workshops on Research methodology regularly.
- A special visiting faculty Dr. Maninder Singh Setia is appointed for training and helping in the research endeavors of the institution.

*** Development of scientific temperament.**

- The publication of the College scientific journal: Journal of Contemporary Dentistry has completed its fourth year of publication. Staff and students are encouraged to publish their papers, case reports and other scientific research which instills in them the quality of scientific writing and evidence based research.
- The college encourages and facilitates its faculty and students to attend continual professional education programs on research methodologies, present scientific papers / posters in conferences and conventions.
- The college provides access to scientific literature through both online databases and journals to ensure updates on research advances and stimulate ideas.
- The institution holds a one day scientific presentation by undergraduate and post graduate students as a part of the college festival. This encourages the students to make scientific presentations and discussions on papers presented.
- The undergraduate students are encouraged to take research topics and surveys which instills the scientific inquisitiveness.

- Post Graduate students actively participate in research as a part of the dissertation program of the MUHS, Nashik.
- * **Presence of Medical / Bio Ethics Committee.**
 - Yes, the college has an Institutional Ethics Review Committee MGMDCH as per ICMR guidelines and is approved by the Drug Controller General of India (DCGI). In addition the college has an Institutional Research Recognition Committee that channelizes research proposals. The College has a linkage with M.G.M Medical College and Hospital Ethical Committee for Animal Research proposals.
- * **Research linkages with other institutions, universities and centers of excellence. (national and international).**

See 3.1.5

In addition to 3.1.5 the following collaborations are done.

 - Department of Pedodontics has collaboration with the department of Anesthesiology, M.G.M Medical College and Hospital, Navi Mumbai for use of nitrous oxide sedation for dental treatment of pediatric patients.
- * **Research programs in Basic Sciences, Clinical, Operational Research, Epidemiology, Health Economics, etc.**
 - All Clinical Departments conduct clinical/operational research in form of faculty research and post graduate student dissertations. These studies involve basic sciences. Epidemiological research is undertaken in the Department of Public Health Dentistry and in form of observational and interventional research in other Departments.
 - Diagnostic research is undertaken in Department of Oral Pathology and Microbiology and Department of Oral medicine and Radiology.
- * **Promotional avenues for multi-disciplinary, inter-disciplinary research.**
 - The College has a work environment which is conducive to interdisciplinary research. Infrastructure and facilities are available to promote multidisciplinary research and various linkages with sister organizations.
- * **Promotional avenues for translational research.**
 - Instilling a culture for research within college work ethics and aiming at making an impact on the community we serve.
 - Results from scientific research undertaken in college help in improving our treatment modalities which provide value added service to our patients.
 - Interventional studies help to include latest technology and infrastructure, in improving clinical skills.
 - Studies with IIT in using local drug delivery systems, interventional studies using bone plates and development of an indigenously made dental implant in collaboration with BARC are some of our initiatives.
- * **Instilling a culture of research among undergraduate students.**
 - Undergraduate students have an orientation towards research methodology through public health dentistry teaching and attend screening camps thus getting experience in survey and epidemiology.

- As their academic program proceeds they are taught applications of research in various streams of Dentistry. Students are encouraged to attend scientific conferences and workshops which can hone their scientific acumen.
- The students have participated, presented papers and posters at State level, National level and International conferences. They present seminars and projects at the Institutional level.
- A one day scientific program is organized for the undergraduates as a part of the College annual day. Undergraduates are encouraged and have published their research in the college journal.
- * **Publication-based promotion/incentives.**
 - Publications are mandatory by the DCI for the faculty members for their promotions. The college has adopted to the policy on faculty advancement and promotion, such that faculty member(s) must have published at least one paper as first author in an indexed journal, preferably an International Journal, for promotion to the post of Reader; it also states that he/she have published at least two papers as first author in an indexed journal, preferably an International Journal, for promotion to the post of Professor.
- * **Providing travel grant for attending national/international conference and workshops.**
 - The college encourages faculty members to attend specialty conferences for presenting papers on their research and benefit from interaction with other researchers for which the college reimburses the registration amount and travelling expenses to staff members annually.

3.1.14 Does the institution facilitate

- * **RandD for capacity building and analytical skills in product development like diagnostic kits, biomedical products, etc. for the national / international market.**
 - Yes, the institution facilitates R and D and capacity building programs in research.
 - Design and development of manufacturing technology for low cost indigenous dental implants and Comparative evaluation of surface characteristics of titanium implants treated with dual acid etch technique is a funded program by Board of Research in Nuclear Sciences, Department of Atomic Energy, Govt. of India is a RandD activity in biomedical products for the national market being pursued in Collaboration with BARC, Mumbai by the College faculty members Dr. Manjeet Mapara and Dr. Sunil Sidana.
- * **Development of entrepreneur skills in health care**
 - The college aims at soft skill development of all students and staff as a health-care professional. Focus areas of communication skills, practice management and professional competency are emphasized upon.
 - Interaction with renowned practitioners and career guidance professionals help establish core competency required for entrepreneurship. For the incoming interns a special three day orientation program for soft skill development, leadership, career planning, practice management and professional ethics is held for overall development.
- * **Taking leadership role for stem cell research, organ transplantation and harvesting, Biotechnology, Medical Informatics, Genomics, Proteomics,**

Cellular and Molecular Biology, Nanoscience etc.

- The college has encouraged post-graduation dissertation topics in stem cell research in the Department of Oral Surgery. The College has a linkage with M.G.M Department of Genomics and Department of Oral Pathology and Microbiology which have collaborative studies in progress.

3.1.15 Are students encouraged to conduct any experimental research in Yoga and / or Naturopathy?

- Students are sensitized to Holistic health in the form of sessions on yoga and meditation. But currently no experimental research on yoga or naturopathy is in progress.
- An Experiential research on clinical effect of Virgin Olive oil on dental plaque.

3.2 Resource Mobilization for Research.

3.2.1 How many departments of the institution have been recognized for their research activities by national / international agencies (ICMR, DST, DBT, WHO, UNESCO, AYUSH, CSIR, AICTE, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthroughs achieved by this recognition.

- Yes, all departments of the institution have been recognized by the Dental Council of India.
- The MUHS, Nashik has recognized the Institution and its departments as a research facility.
- There is resource mobilization for research in design and development of manufacturing technology for low cost indigenous dental implants that has been sanctioned by BARC, Mumbai Board of Research in Nuclear Sciences, Department of Atomic Energy, Government of India.

3.2.2 Provide the following details of ongoing research projects of faculty:

	Year-wise	Number	Name of the project	Name of the funding agency	Total grant received in INR
A. University awarded projects					
Minor projects	2013	01	A Survey to Evaluate the Prevalence of Snoring in Students of MGM Dental College	MGM institution of Health Sciences, Kamothe, Navi Mumbai-410209	25,000/-
	2014	01	Clinical effect of virgin olive oil on dental plaque	MGM institution of Health Sciences, Kamothe, Navi Mumbai-410209.	8,000/-

B. Other agencies - national and international (specify)					
Minor Projects	2012	1	Dental Caries Prevalence Among 3- to 14- Year Old School Children, Uran, Raigad District, Maharashtra.	MGM Dental College	5,000/-
	2015	1	A retrospective study of pediatric dental patients treated under general anesthesia	MGM Dental College	10,000/-
	2015	1	Epidemiologic study of molar incisor hyper mineralization in 7-9 year old school children	MGM Dental College	10,000/-
Major projects	2012	02	Design and development of manufacturing technology for low cost indigenous dental implants (Sponsored) Comparative evaluation of surface characteristics of titanium plates treated with dual acid etch technique. (Sponsored)	Govt. of India Department of atomic energy, Board of Research in Nuclear Sciences. Vide Letter No. 2012/36/13-BRNS	24,82,500/-
	2015	1	Retention of Glass ion-omer Sealants : A 4 year follow up study	MGM Dental College	1,50,000/-
	2015	1	Comparison of inhalational sedation and oral sedation for Pediatric dental sedation – An in vivo study.	MGM Dental College	1,76,000/-

3.2.3 Does the institution have an Intellectual Property Rights (IPR) Cell?

- The institution is in the process of establishing an IPR cell.

3.2.4 Has the institution taken any special efforts to encourage its faculty to file for patents? If so, how many have been registered and accepted?

- Currently the institution faculty is in the process of filing a patent.
- Dr. Niharika Swain is in process of applying for a patent, for whole bone decalcification technique without sawing.

3.2.5 Does the institution have any projects sponsored by the industry / corporate houses? If yes, give details such as the name of the project, funding agency and grants received.

Yes, the institution has projects sponsored by industry. Following are the details of the same.

Sr. No.	Date	Project	Funded by	Grants Received in INR
1	22/9/2011-23/9/2011	Workshop on Maxillofacial prosthodontics	Doshi Marketing ANSA Dental Laboratory	15,000/-

Sr. No.	Date	Project	Funded by	Grants Received in INR
2	27/5/2012-30/5/2012	Program for Creating Awareness on Tobacco hazards and Anti-Tobacco Campaign	Colgate Pal-molive India Ltd	16,000/-
3	17/10/2012	Responsible Esthetics in Contemporary Dentistry	Academy of Aesthetic and Cosmetic Dentistry	5,000/-
4	2012-Ongoing	Design and development of manufacturing technology for low cost indigenous dental implants (Sponsored) Comparative evaluation of surface characteristics of titanium plates treated with dual acid etch technique. (Sponsored)	Govt. of India Department of atomic energy, Board of Research in Nuclear Sciences. Vide Letter No. 2012/36/13-BRNS	24,82,500/-
5	31/5/2013-1/6/2013	World No Tobacco Day Rally and Anti-Tobacco Campaign with program on awareness on ill effects of tobacco	Colgate Pal-molive India Ltd	16,000/-
6	29/5/2014	Program for Creating Awareness on Tobacco hazards and Anti-Tobacco Campaign in Adolescent age Group	Colgate Pal-molive India Ltd	16,000/-
7	17/3/2015	Project on responsible esthetics in contemporary dentistry	American Academy of Cosmetic Dentistry	5,000/-
8	18/3/2015	Responsible Esthetics in Contemporary Dentistry	Academy of Aesthetic and Cosmetic Dentistry	5,000/-
9	29/5/2015	Program for Creating Awareness on Tobacco hazards and Anti-Tobacco Campaign in rural population.	Colgate Pal-molive India Ltd	16,000/-
10	3/08/2015	Oral Hygiene day with program on caries and periodontal disease prevention and oral health maintenance programs	Colgate Pal-molive India Ltd	16,000/-
11	15/09/2015	Global Survey on prevalence of Dentinal Hypersensitivity	Oral B	5,000/-

3.2.6 List details of

a. Research projects completed and grants received during the last four years (funded by National/International agencies).

Title of Project	Collaboration with	Grant Received in INR	Funding Agency	Status
Design and development of manufacturing technology for low cost indigenous dental implants (Sponsored) Comparative evaluation of surface characteristics of titanium plates treated with dual acid etch technique. (Sponsored)	BARC, Mumbai M.G.M Institution of Health sciences, Navi Mumbai M.G.M Institution of Technology, Navi Mumbai	24,82,500/-	Govt. Of India Department of Atomic energy, Board of Research in Nuclear Sciences. Vide Letter No. 2012/36/13-BRNS	Phase 1 Completed
Clinical effect of virgin olive oil on dental plaque	Department of Physiology, MGM's Medical College and Hospital, Kamothe, Navi Mumbai-410209.	8,000/-	MGM institution of Health Sciences, Kamothe, Navi Mumbai-410209.	Completed
A survey on prevalence of dental caries among 3 to 14 year old school children in Uran from Raigad District in Maharashtra	M.G.M Dental College and Hospital, Navi Mumbai	5,000/-	M.G.M DENTAL College and Hospital, Navi Mumbai	Completed

b. Inter-institutional collaborative projects and grants received

i) National collaborations

Project title	Sponsoring/ Collaborating agencies	Grant received in INR
Design and development of manufacturing technology for low cost indigenous dental implants (Sponsored) Comparative evaluation of surface characteristics of titanium plates treated with dual acid etch technique. (Sponsored)	Govt. Of India Department of Atomic energy, Board of Research in Nuclear Sciences. Vide Letter No. 2012/36/13-BRNS	24,82,500/-

ii) International collaborations: UK collaboration

Dr. Richard Pereira collaborating with Dr.David Gillam BA,BDA, MSc, DDS, Sr. Clinical Lecturer, Institution of Dentistry, Queens Mary's School of Medicine and Dentistry, London(UK) for the following 2 studies:-

- ▶ Awareness of dentinal hypersensitivity among general practitioners in Mumbai.
- ▶ Prevalence and Pattern of Cervical Dentine Sensitivity in a population of patients at MGM Dental College, Navi Mumbai.

3.2.7 What are the financial provisions made in the institution budget for supporting students' research projects?

- Research funds are made available to students, if deemed admissible by the Institutional Research Recognition Committee. A sizable amount of rupees 10 lakh has been earmarked for student research support.

3.3 Research Facilities

3.3.1 What efforts have been made by the institution to improve its infrastructure requirements to facilitate research? What strategies have been evolved to meet the needs of researchers in emerging disciplines?

- The institution plans infrastructure with research in mind. All departments are equipped with facilities that are required to cater to research needs within their field. Department laboratories are provided within departmental premises to facilitate experimental research.
- Linkages are established with MGM Institution of Health Sciences Navi Mumbai and M.G.M Medical College and Hospital to facilitate research within the campus premises.
- Well stocked library with back volume journals and online access to e-library database, serves as a research resource to staff and students.
- State of the art equipment is available such as: dental operating microscope, spectrophotometer, Stereomicroscope, diode and carbon dioxide lasers, piezoelectric bone surgery unit, surgical oscillating saws, conscious sedation and surgical microscope for facilitating research.

3.3.2 Does the institution have an Advanced Central Research facility? If yes, have the facilities been made available to research scholars? What is the funding allocated to the facility?

- Yes, the M.G.M Research laboratory within the campus is an advanced central research facility, for which rupees 10 lakhs is allocated.

3.3.3 Does the institution have a Drug Information Centre to cater to the needs of researchers? If yes, provide details of the facility.

- Yes, the medical college has a Drug Information Centre.

3.3.4 Does the institution provide residential facilities (with computer and internet facilities) for research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists (national/international)?

- Yes, the institution has residential facilities within the campus premises with computer and internet facilities for scholars, research fellows and associates who visit the college for scientific deliberations.

3.3.5 Does the institution have centres of national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.

- Yes, the institution has a MGM Central Research Laboratory which allows researchers to carry out research.
- Dental and other research projects are carried out in the central research

lab which require microbiology and pathology interventions.

- Evaluation of Multi-sized gold nano-particles associated reproductive toxicity in male and female Zebra fish” is being carried out by Department of Medical genetics, MGM Institution of Health Sciences.

3.3.6 Clinical trials and research

* **Are all the clinical trials registered with CTRI (Clinical Trials Research of India)?**

- Currently no Clinical trials are registered with CTRI (Clinical Trials Research of India). Efforts are being undertaken to commence registration soon.

* **List a few major clinical trials conducted with their outcomes.**

- Presently the Institution has no Clinical trials ongoing.

3.4 Research Publications and Awards

3.4.1 Does the institution publish any research journal(s)? If yes, indicate the composition of the editorial board, editorial policies and state whether it/they is/are listed in any international database.

- Yes, the Journal of Contemporary Dentistry is the official publication of M.G.M Dental College and Hospital, Navi Mumbai. It is a quarterly peer reviewed journal, launched in 2011 having both print and online versions [ISSN: 2278-2680 and e-ISSN: 2279-0217]
- Indexed with Index Copernicus, Open J Gate, HINARI, Google Scholar, Ulrich, EBSCO and ProQuest. It has an Index Copernicus value of 4.71.
- The Journal of Contemporary Dentistry publishes original scientific papers, reviews, case reports and method presentation articles in the field of dentistry. Original articles are published in all dentistry-related disciplines, all areas of biomedical science, applied materials science, bioengineering, epidemiology and social science relevant to dental disease and its management.
- Manuscripts submitted for publication must be original articles and must not have appeared in any other publication. It is published by Jaypee Brothers Medical Publishers [P] Ltd.

JOURNAL EDITORIAL BOARD

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			Mansing Pawar

3.4.2 Give details of publications by the faculty and students:

* Number of papers published in peer reviewed journals (national / international)

SR.NO	DEPARTMENT	NATIONAL	INTERNATIONAL	TOTAL
1	Oral and Maxillofacial Surgery	69	24	92
2	Conservative Dentistry and Endodontics	23	0	23
3	Orthodontics and Dentofacial Orthopedics	19	0	19
4	Prosthodontics Crown and Bridge	53	7	60
5	Oral Pathology and Microbiology	30	21	51
6	Periodontics	16	12	28
7	Pediatric and Preventive Dentistry	11	2	13
8	Public Health Dentistry	7	9	16
9	Oral Medicine and Radiology	9	4	13
Total		240	76	316

* Chapters in Books 05

- Chapter 16-Halitose E O Cirurgiao-Dentista, Page no. 89-110 by Dr. Vineet Kini in- Halitose, Funtamentos, Diagnostico e Tratamento by Regis Dewes. ISBN – 978-85-372-0644-7.
- Chapter 10 PERIO-ESTHETICS by Dr. Richard Pereira in – Esthetic Dentistry: An Artist's Science authored by Dr. Ratnadeep Patil. ISBN – 978-81-901-3190-2.
- Dyslexia by Verma P and Sevekar S in Understanding and Management of Special Child in Pediatric Dentistry 1st Ed. ISBN 978-93-5025-631-2.
- Pantvaidya GH, Vaidya A, Vaishampayan S. Face and Jaws. In: John S.P Lumley, Anil K. D'Cruz, Jamal J. Hoballah, Carol E.H. Scott-Connor. Hamilton Bailey's Physical Signs: Demonstrations of Physical Signs in Clinical Surgery. 19th ed. United States: CRC Press; 2016. ISBN 9781444169188 - CAT# K17518.

* Books edited

* Books with ISBN with details of publishers

- Prosthodontics at a glance by Dr. Sabita M. Ram. Jaypee Brothers Publishers Pvt Ltd.
- Malignant Odontogenic Neoplasms by Dr. Niharika Swain. LAP LAMBERT Publishing GmbH and Company, Saarbrücken, Germany ISBN -978-3-8433-5390-8
- Effect of Periodontal Therapy on Acute Phase Proteins and Leucocytes. ISBN -13:978-3-659-44954-3. LAP LAMBERT Academic Publishing.
- Remineralizing agents and their effect on freshly bleached teeth by raghuwansingh and Sabita M. Ram LAMBERT Academic Publishing.

* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, EBSCO host, Google scholar, etc.)

- National and international publications are traceable by Google scholar, EBSCO Host.

SR. NO	DEPARTMENT	Number of publications listed in international database
1	Oral and Maxillofacial Surgery	24
2	Conservative Dentistry and Endodontics	18
3	Orthodontics and Dentofacial Orthopedics	18
4	Prosthodontics Crown and Bridge	36
5	Oral Pathology and Microbiology	51
6	Periodontics	28
7	Pediatric and Preventive Dentistry	13
8	Public Health Dentistry	14
9	Oral Medicine and Radiology	10
Total		212

*** Citation Index – range / average of total institution**

SR. NO	DEPARTMENT	Citation Index Range	Citation Index Average
1	Oral and Maxillofacial Surgery	1-15	5.66
2	Conservative Dentistry and Endodontics	1-4	2
3	Orthodontics and Dentofacial Orthopedics	0-4	4
4	Prosthodontics Crown and Bridge	1-6	2.28
5	Oral Pathology and Microbiology	1-11	3.92
6	Periodontics	0-7.5	3.75
7	Pediatric and Preventive Dentistry	1-13	5.44
8	Public Health Dentistry	0-10	3.5
9	Oral Medicine and Radiology	1 – 12	3.75

*** Impact Factor – range / average**

SR. NO	DEPARTMENT	Impact Factor Range	Impact Factor Average
1	Oral and Maxillofacial Surgery	0.054-3.382	1.355
2	Conservative Dentistry and Endodontics	0 - 1	0.5
3	Orthodontics and Dentofacial Orthopedics	1.5	0.89
4	Prosthodontics Crown and Bridge	0-2.78	0.23
5	Oral Pathology and Microbiology	0.975-3.61	2.542
6	Periodontics	0.678-2.466	1.505
7	Pediatric and Preventive Dentistry	0-1.438	1.438
8	Public Health Dentistry	0.065- 1.170	0.504
9	Oral Medicine and Radiology	0-0.045	0.045

*** Source Normalized Impact per Paper (SNIP)**

SR. NO	DEPARTMENT	SNIP Index Range	SNIP Index Average
1	Oral and Maxillofacial Surgery	0.218-1.388	0.85
2	Conservative Dentistry and Endodontics	0.5-1.33	0.826
3	Orthodontics and Dentofacial Orthopedics	0.227-1.973	1.057
4	Prosthodontics Crown and Bridge	0-0.358	0.358
5	Oral Pathology and Microbiology	0.57-1.459	1.135
6	Periodontics	0.545-1.375	0.959
7	Pediatric and Preventive Dentistry	-	-
8	Public Health Dentistry	0.594-0.850	0.688
9	Oral Medicine and Radiology	0-0.159	0.159

*** SCImago Journal Rank (SJR)**

SR. NO	DEPARTMENT	SJR Range	SJR Average
1	Oral and Maxillofacial Surgery	0.143-1.57	0.7564
2	Conservative Dentistry and Endodontics	0.312-0.474	0.393
3	Orthodontics and Dentofacial Orthopedics	0.143-1.57	0.723
4	Prosthodontics Crown and Bridge	0-0.229	0.229
5	Oral Pathology and Microbiology	0.125-1.275	0.683
6	Periodontics	0.229-1.013	0.559
7	Pediatric and Preventive Dentistry	-	-
8	Public Health Dentistry	0.229-0.576	0.372
9	Oral Medicine and Radiology	0-0.115	0.115

*** H-index**

SR. NO	DEPARTMENT	H-index Range		H-index Average	
		Journal	Author	Journal	Author
1	Oral and Maxillofacial Surgery	7-125	0-4	53.12	1.08
2	Conservative Dentistry and Endodontics	0-14	0-1	7	0.43
3	Orthodontics and Dentofacial Orthopedics	0	0-1	0	0.14
4	Prosthodontics Crown and Bridge	0-9	0-3	9	1.14
5	Oral Pathology and Microbiology	4-77	0-4	32.81	2
6	Periodontics	55-110	1-6	28.37	2
7	Pediatric and Preventive Dentistry	0	0-2	0	0.50
8	Public Health Dentistry	7-57	0-2.5	21.66	0.875
9	Oral Medicine and Radiology	0-7	1-2	7	1.33

3.4.3 Does the institution publish any reports/compilations/clinical round-ups as a part of clinical research to enrich knowledge, skills and attitudes?

- Yes, the college publishes rare case reports, case series, and short communications in its official quarterly journal: the Journal of Contemporary Dentistry. Similarly innovative clinical techniques are also published to enrich skill sets and promote attitude for assimilating knowledge. The case of the month is displayed on departmental notice board.

3.4.4 Give details of

* Faculty serving on the editorial boards of national and international journals

Faculty	Editorial board
Dr. Sabita Ram Department of Prosthodontics	Editorial board member for The Journal Indian Prosthodontic Society Executive Board Member of JCD Editorial Board for International Journal of Oral Health Dentistry
Dr. Jyotsna Galinde Department of Oral Surgery	Executive Board Member of JCD
Dr. Srivalli N. Department of Oral and Maxillofacial Surgery	Executive Board, Journal of Contemporary Dentistry Advisory Board, Annals of Maxillofacial Surgery Zonal Coordinator, Indian Academy of Maxillofacial Surgery
Dr. Vanitha U. Shenoy Department of Conservative Dentistry	Executive Board Member of JCD
Dr. Jyoti Nadgere Department of Prosthodontics	Advisory board member of International Journal of Prosthetic Dentistry
Dr. Naisargi Shah Department of Prosthodontics	Advisory board member of International Journal of Prosthetic Dentistry
Dr. Kamlesh Dekate Department of Oral Pathology and Microbiology	Editorial board and Reviewer International Journal of Dental Science
Dr. Jigna Pathak Department of Oral Pathology and Microbiology	Peer review committee member Terna Journal of Dental Sciences
Dr. Niharika Swain Department of Oral Pathology and Microbiology	Reviewer British medical journal Case reports Journal of Contemporary Dentistry Tumor Biology
Dr. Ravindranath VK Department of Orthodontics and Dentofacial Orthopedics	Editorial Committee Member Journal of Contemporary Dentistry
Dr. Richard Pereira Department of Periodontics	Editor in chief – Journal of Contemporary Dentistry Reviewer - Journal Of International Clinical Dental Research Organisation
Dr. Ashvini Padhye Department of Periodontics	Editorial advisory board -Quintessence International (Asia Pacific edition)
Dr. Himani Gupta Department of Periodontics	Reviewer for African Dental Journal International journal of Dental Hygiene International Journal of Health and Allied Sciences
Dr. Sumanthini MV	Assistant Editor-Journal of Contemporary Dentistry
Dr. Priyanka Machale Joglekar Department of Public Health Dentistry	Editorial Board Member- Journal of Contemporary Dentistry

Faculty	Editorial board
Dr. Sunil Sidana Department of Oral and Maxillofacial Surgery	Assistant Editor-Journal of Contemporary Dentistry
Dr Rohit Gadda Department of Oral Medicine and Radiology	Editorial Board Member-Journal of Contemporary Dentistry
Dr. Shirang Sevekar Department of Pedodontics	Reviewer-The Journal of Allied and Basic sciences

*** Faculty serving as members of steering committees of national and international conferences recognized by reputed organizations / societies**

Faculty	Members of Steering Committees of National And International Conferences Recognized by Reputed Organizations / Societies
Dr. Sabita Ram Department of Prosthodontics and Crownbridge	Conference Chairman – <ul style="list-style-type: none"> Scientific of the 44th Indian Prosthodontic Society Conference at Mumbai- Navi Mumbai 1,2 and 3 December 2015-16. President Mumbai-NaviMumbai Prosthodontic Forum.
Dr. Jyoti Nadgere Department of Prosthodontics and Crownbridge	Co-Chairman, Pre-conference Course - <ul style="list-style-type: none"> 44th Indian Prosthodontic Conference, Mumbai- Navi Mumbai. Member - Mumbai- Navi Mumbai Prosthodontic Forum.
Dr. Naisargi Shah Department of Prosthodontics and Crownbridge	Chairman, Souvenir Committee – <ul style="list-style-type: none"> 44th Indian Prosthodontic Conference, Mumbai- NaviMumbai. EC Member - Mumbai-NaviMumbai Prosthodontic Forum.
Dr. J.S. Galinde Department of Oral and Maxillofacial Surgery	Organizing Chairperson at the <ul style="list-style-type: none"> 7th International Workshop on “Obstructive Sleep Apnea” 17th - 18th Nov, 2015 6th International Workshop and Master course on Maxillofacial and Craniofacial Surgery 19th - 23rd Feb 2014 5th National Workshop on Changing Trends in Oral and Maxillofacial Surgery 19th - 21st Oct, 2012 4th National Workshop on Contemporary Oral and Maxillofacial Surgery 18th - 20th Nov, 2011

Dr. Srivalli N. Department of Oral and Maxillofacial Surgery	Organizing Secretary at the <ul style="list-style-type: none"> • 7th International Workshop on “Obstructive Sleep Apnea” on 17th, 18th Nov, 2015 • 6th International Workshop and Master course on Maxillofacial and Craniofacial Surgery • 19th - 23rd Feb 2014 • 5th National Workshop on Changing Trends in Oral and Maxillofacial Surgery • 19th - 21st Oct, 2012 • 4th National Workshop on Contemporary Oral and Maxillofacial Surgery • 18th - 20th Nov, 2011
Dr. Usha Asnani Department of Oral and Maxillofacial Surgery	Organizing Joint Secretary at the <ul style="list-style-type: none"> • 7th International Workshop on “Obstructive Sleep Apnea” on 17th, 18th Nov, 2015 • 6th International Workshop and Master course on Maxillofacial and Craniofacial Surgery • 19th – 23rd Feb, 2014
Dr. Sunil Sidana Department of Oral and Maxillofacial Surgery	Organizing Joint Secretary at the <ul style="list-style-type: none"> • 5th National Workshop on Changing Trends in Oral and Maxillofacial Surgery • 19th – 21st Oct, 2012 Scientific Coordinator at the <ul style="list-style-type: none"> • 4th National Workshop on Contemporary Oral and Maxillofacial Surgery • 18th - 20th Nov, 2011
Dr. Imran Khalid Department of Oral and Maxillofacial Surgery	Scientific Coordinator at the <ul style="list-style-type: none"> • 7th International Workshop on “Obstructive Sleep Apnea” on 17th, 18th Nov, 2015
Dr. Sagar Vaishampayan Department of Oral and Maxillofacial Surgery	Scientific Coordinator at the <ul style="list-style-type: none"> • 6th International Workshop and Master course on Maxillofacial and Craniofacial Surgery • 19th – 23rd Feb 2014 • 5th National Workshop on Changing Trends in Oral and Maxillofacial Surgery • 19th – 21st Oct, 2012
Dr. Gaurav Deshpande Department of Oral and Maxillofacial Surgery	Scientific Coordinator at the <ul style="list-style-type: none"> • 7th International Workshop on “Obstructive Sleep Apnea” on 17th, 18th Nov, 2015
Dr. L. S. Poonja Department of Oral Pathology	Scientific Convener at the <ul style="list-style-type: none"> • XXII National Conference held from 08/11/13 to 10/11/13
Dr. Shilpa Patel Department of Oral Pathology	Scientific Convener at the <ul style="list-style-type: none"> • XXII National Conference held from 08/11/13 to 10/11/13
Dr. Jigna Pathak Department of Oral Pathology	Scientific Convener at the <ul style="list-style-type: none"> • XXII National Conference held from 08/11/13 to 10/11/13

Dr. Kamlesh Dekate Department of Oral Pathology	Scientific Convener at the • XXII National Conference held from 08/11/13 to 10/11/13
Dr. Niharika Swain Department of Oral Pathology	Scientific Convener at the • XXII National Conference held from 08/11/13 to 10/11/13
Dr. Ashvini M. Padhye Department of Periodontics	• Advisory Board of 14 th Indian Society of Periodontology Post Graduate Convention held in at D. Y. Patil School of Dentistry ,Mumbai from 13/03/15 to 15/03/2015.

3.4.5 Provide details for the last four years

* Research awards received by the faculty and students

Total awards: 43

Year	Name of awardee	Faculty/ student	Award
2011	Dr. Alok Bharadwaj	PG Student	1 st Prize Winner for paper presentation “Mucor mycosis a rare case report” at 2 nd All India PG Convention, Sinhgad DCH, Pune, conducted by IDA, 19 th -21 st Aug, 2011
2011	Dr.Ranganatha Rao K. Jingade	Faculty	Best Paper Presentation’ prize for the topic “Changing Business Practices in Current Scenario” at AICTE sponsored National Conference August 2011, SIES College of Management Studies, Nerul , Navi Mumbai, 27 th August
2011	Dept. of Periodontics,	Faculty	2 nd prize for best Oral Hygiene day celebration at the national level competition organized by Indian Society of Periodontology
2011	Dr. Rithima Sokhi	PG Student	2 nd prize in poster presentation on the topic- “An ideal irrigant” in All India Post graduate dental student convention IDA Pune. 20 th Aug 2011
2011	Dr. Jayeeta Verma	Faculty	1 st prize in poster presentation on the topic – “Friends for life probiotics in caries management” at 26 th FODI and 19 th IES national conference, New Delhi. 13 th Nov 2011
2011	Dr. Jayeeta Verma	Faculty	2 nd prize in paper presentation on the topic at”Teledentistry seeing doctor from distance” intracollege fest (Dr. D Y Patil Dental College, Navi Mumbai) Feb 2011.
2011	Dr. Janani Balachandran	Faculty	Received Best scientific paper at 26 th Federation of Operative Dentistry (FODI) and 19 th Indian Endodontic Society on the research topic- “The inverse association - Caries and Periodontitis” held at Manekshaw Convention Centre, New Delhi on 11th November 2011
2012	Dr. Abhijit Jadhav.	Faculty	Dr. Ratan H. Doctor Award First Prize at 65 th Indian Dental Conference held at Bandra Kurla Complex, Mumbai, hosted by IDA Mumbai Branch 11 th February, 2012
2012	Pallavi Agicha	UG Student	second prize for the topic “Plasma Brush” at Annual festival “MAGNUM”
2012	Dr. Saili Chanda-varkar	PG Student	Best Paper Presentation’ prize for the topic “PATH TO PERFECTION : Rapid prototyping in Prosthodontics” at 65 th Indian Dental Conference -2012
2012	Dr. Saili Chanda-varkar	PG Student	Winner for Paper presentation on “Virtuality to relativity in Prosthodontics” by in 14th IPS PG Convention, Mangalore.
2012	Dr.Aditi Sabnis	PG Student	Winner for Poster presentation on “Poor Ridge Foundation – Integration is the solution” in 14 th IPS PG Convention, Mangalore
2012	Dr. Aditi Sabnis	PG Student	Quiz Contest for Post Graduates on 28/07/2012 at 14 th IPS PG Convention , Mangalore

2012	Dr. Aditi Sabnis	PG Student	Quiz Contest for Post Graduates on 29/07/2012 at 14 th IPS PG Convention, Mangalore 1 st Prize
2012	Dr. Divya Singh	PG Student	winner for Quiz Contest for Post Graduates After Guest Scientific Lecture of Dr Mohit K. in Hall A on 29/07/2012 at 14 th IPS PG Convention
2012	Dr. Jhuveria Syed Ali Hussain	UG Student	winner“ Estheticreplacement of Bilateral Congenitally missing lateral incisors – Treatment approaches and Case Report” on 17th -19th July 2012 IAACD Conference, Mumbai.
2012	Dr. Richard Pereira	Faculty	Awarded fellowship of the International College of Dentists (ICD)
2012	Dr. Sujeet Khiste	Faculty	Awarded gold medal from the Rajiv Gandhi University of Health Sciences, Karnataka for securing the highest marks in MDS Periodontology exams in May 2012
2012	Dr. Vaibhav Thakkar	Faculty	First Prize in the E poster Competition ‘Dental Biofilm: Effect on oral and systemic health’ at Manipal College of Dental Sciences, Mangalore on 1 st August, 2012
2012	Dr. Rithima Sokhi	PG Student	1 st prize in paper presentation on the topic – “ Coronal fragment reattachment”, CDE on esthetic kaleidoscope- A clinical perspective at MGM Dental college. 5 th July 2012
2012	Dr. Jayeeta Verma	Faculty	1 st prize in paper presentation on the topic – “Back to the back” at 1 st Endomeet at Nagpur 26th Feb 2012
2012	Dr. Jayeeta Verma	Faculty	1 st prize in paper presentation on the topic at “Ergonomics for dentist” Dentovision intercollege fest (Dr. D Y Patil Dental College, Navi Mumbai) 22 nd March 2012
2013	Zynia Branco	UG Student	First Prize for paper presentation “Snap-on Smile”, at 52 Maharashtra state Dental Conference, Nashik, 13 th -15 th December
2013	Dr. Manjeet Mapara	Faculty	First prize in poster presentation in Original research at Annual Osseointegration conference at Perth, Australia
2013	Dr. Aditi Rathod	PG Student	1 st prize for E poster: Gingival Depigmentation-“pathway from brown to pink!” At India International Dental Congress at Nehru centre, Worli on 15 th - 17 th February 2013
2013	Dr. Yashshri Chaudhari	PG Student	3 rd Position at IIDC conference held on 13 th to 15 th February at Nehru Science Centre, Worli.
2013	Dr. Vaibhav Thakkar	Faculty	First Prize in Quiz Competition at 7 th National PG Convention of Indian Association of Public Health Dentistry, Vijaywada - Guntur, Andhra Pradesh from 21 st - 22 nd June, 2013
2013	Dr. Deepak Kalgendre, Dr. Rashmi Hosalkar, Dr. Janaki Iyer	PG Student	Session 1st Award for paper presentation Actinomyces: rear insight in not so rare lesion. XXII National conference of IAOMP, Mumbai. 8 th -10 th November 2013
2013	Dr. Rahul Kadam, Dr. Nikitha Narayan, Dr. Shikha Bhatt	PG Student	Session 2nd Award for poster presentation. Trabecular Juvenile Ossifying Fibroma- case reports. XXII National conference of IAOMP, Mumbai. 8 th -10 th November 2013
2013	Dr. Mohit Bodhwani	PG Student	1 st prize in the session on Paper presentation on the topic-“MTA apexification using calcium hydroxide as an apical barriers: A case report” as part of 2 nd west zone PG convention, IES at Nair dental college and hospital, Mumbai. Feb 2013
2013	Dr. Jayeeta Verma	Faculty	1st prize in poster presentation on the topic – “Mouth watering but erosive” as part of 2 nd west zone PG convention, IES at Nair dental college and hospital, Mumbai. 24 th Feb 2013

2013	Dr. Jayeeta Verma	Faculty	2 nd prize in paper presentation on the topic at intracollege fest (Dr. D Y Patil Dental College, Navi Mumbai) Feb 2013
2013	Dr. Shirang Sevekar	Faculty	Best paper award at National Conference of Indian Society of Pedodontics and Preventive Dentistry, Jaipur
2013	Dr. Shaili Shah	PG Student	First Prize in paper presentation at 52 nd MSDC conference
2013	Dr. Alok Shah	PG Student	Second prize in paper presentation at 52 nd MSDC conference
2013	Dr. Apurva Mohite	Faculty	First Prize in Paper presentation at XXV National Indian Academy of Oral Medicine and Radiology Conference
2014	Dr. Sabita Ram	Faculty	Best teacher award at BiteIn awards
2014	Mr. Meet Shah	UG Student	First prize in paper presentation at Indian Dental Conference, Bangalore
2014	Dr. Kushal Gandhi	PG Student	Best student paper presentation in 42 nd Indian Prosthodontic society student Conference at Zirakhpur Chandigarh on “Digital teeth selection and smile designing for edentulous patient” by on 6th to 9th Nov 2012
2014	Dr. Aditi Rathod	PG Student	1 st prize for scientific paper presentation titled, “Pontic Site Development- Efficiently Plumping The Deficient” during MAGNUM (13/1/14) at MGM Dental College and Hospital, Kamothe.
2014	Dr. Nikitha Narayanan	PG Student	Best session poster award and Best review poster award: Old players with new goals: Immune score. XXIII IAOMP National conference, Bangalore. 28 th -31 st November 2014.
2014	Dr. Seema Yadav	PG Student	second prize for the paper presentation titled ‘Platelet rich fibrin – report of two cases’ presented at the Magnum, scientific day presentation held at M.G.M Dental College and Hospital, kamothe, Navi Mumbai.
2014	Dr. Jayeeta Verma	Faculty	2 nd prize in paper presentation on the topic” Think and drink- A preliminary assessment of salivary pH before and after consumption of various beverages” at intracollege fest (Dr. D Y Patil Dental College, Navi Mumbai) 26 th Feb 2014
2015	Dr. Amit Gaikwad and Dr. Ankita Nigam	PG Student	Best paper to in PG convention held at Nagpur on 10-12 th July 2015. Topic- Masking conventional metallic cast post for enhancing esthetics
2015	Dr. Kushal Gandhi, Dr. Aditi Jain , Dr. Prachiti Terni	PG Student	Best poster to PG convention held at Nagpur on 10-12 th July 2015. Topic-Muscle deprogrammer
2015	Dr. Aditi Jain	PG Student	Best Paper to (1 st prize) in esthetic dentistry- an update by IAACD held in MGM dental college –Masking discolouration with lithium disilicate crowns-A case report 7/08/2015
2015	Dr. Suyog Masram	PG Student	Best paper (2 nd prize) in esthetic dentistry- an update by IAACD held in MGM dental college on 7 th august – Achieving esthetics with minimally invasive treatment option-A case report 7/08/2015
2015	Dr. Seema Yadav	PG Student	Won the first prize for the paper presentation titled ‘Comparative Effect Of Commercially Available Chlorine Dioxide Containing Mouthrinse And Chlorhexidine Containing Mouthrinse On A Four Day Plaque Regrowth Model – A Randomized Clinical and Microbial Study In A Healthy Dental Cohort. Presented at the 14 th Indian Society of Periodontology Convention on 14 th March at D.Y Patil Dental College, Navi Mumbai

2015	Dr. Ninad Padhye	PG Student	second consolation prize for the paper presentation titled “A comparative evaluation of the pinch strength amongst dental cohort, performing pre-procedural chair side finger stretches, before and after scaling and root planing.” Presented at the 14 th Indian Society of Periodontology Convention on 14 th March at D.Y Patil Dental College, Navi Mumbai.
2015	Ms. Visalakshi Shivaraman	UG Student	Second prize in poster titled esthetic smile- a comprehensive periodontal approach at IDC, Bangalore
2015	Balasubraniam Shanker	UG Student	1 st Award for poster presentation by (III BDS): Histopathological variants of Ameloblastoma. Scientific session “Science Cafe” by MAGNUM, 19 th January
2015	Balasubraniam Shanker	UG Student	1 st Award for paper presentation : Incidental finding – A devil in disguise. 68 th IDC. 13 th - 15 th February 2015. Bangalore
2015	Nikitha Narayan	PG Student	2 nd Award for paper presentation Incidental findings aka Incidentaloma. Scientific session “Science Cafe” by MAGNUM, 19 th January 2015
2015	Dr. Janaki Iyer	Faculty	MUHS Subject Topper in MDS University Examination In Oral Pathology and Microbiology 2015
2015	Dr. Jayeeta Verma	Faculty	Awarded for standing first in the Dr. DY Patil University in the subject of conservative dentistry MDS, 26 th March 2015
2015	Dr. Vishal Punjabi	PG Student	Pierre Fauchards Academy’s Undergraduate certificate of merit for outstanding academic achievements in dentistry

*** National and international recognition received by the faculty from reputed professional bodies and agencies**

Faculty	Members of Steering Committees of National And International Conferences Recognized by Reputed Organizations / Societies
Dr. Sabita Ram Department of Prosthodontics	Ex-President of Indian Prosthodontic Society in year, 2006-07 Member of IGNOU Committee 2009-present Ex-President of the Womens’ council Indian Dental Association 2009-2013 Conference Chairman – Scientific of the 44 th Indian Prosthodontic Society Conference at Mumbai- Navi Mumbai 1,2 and 3 December 2015-16
Dr. Girish Karandikar Department of Orthodontics	Awarded Honorary Membership of Taiwan Association of Orthodontics, [2010 – 2011]. President, Indian Orthodontic Society [IOS] during tenure 2010-2011 Honorary Treasurer of Asian Pacific Orthodontic Society [APOS] during tenure 2011-2014 President, Indian Orthodontic Society [IOS] during tenure 2010-2011 Honorary Treasurer of Asian Pacific Orthodontic Society [APOS] during tenure 2011-2014 Awarded Honorary Membership of Taiwan Association of Orthodontics, [2010 – 2011].
Dr. J. N. Khanna Department of Oral and Maxillofacial Surgery	Past President – Association of Oral and Maxillofacial Surgery of India, Asian Association of Oral and Maxillofacial Surgery and Asian Association of Oral and Maxillofacial Surgery Chairman, Indian Academy of Maxillofacial Surgery Past member of Board of Studies, Faculty of Medicine, Dean Faculty, Academic Council and senate Mumbai University. Advisor, Govt. of India – ISI (Past) Dean Faculty – D. Y. Patil Deemed University, Navi Mumbai (Past) Member, Education Committee - Association of Oral and Maxillofacial Surgery of India (Past)

Faculty	Members of Steering Committees of National And International Conferences Recognized by Reputed Organizations / Societies
Dr. J.S. Galinde Department of Oral and Maxillofacial Surgery	Member, Committee of Ministry of Health and Family Welfare to review of the Dentists Act, 1948 and restructuring of Dental Council of India Executive Board, Journal of Contemporary Dentistry, Annals of Maxillofacial Surgery, Indian Academy of Maxillofacial Surgery, Member, Board of Studies, MGM Institution of Health Sciences
Dr. Srivalli N. Department of Oral and Maxillofacial Surgery	Executive Board, Journal of Contemporary Dentistry Advisory Board, Annals of Maxillofacial Surgery Zonal Coordinator, Indian Academy of Maxillofacial Surgery
Dr. Vanitha U. Shenoy Department of Conservative Dentistry	Executive Board Member of JCD Scientific Convenor at 6 th FODI conference
Dr. Jyoti Nadgere Department of Prosthodontics	Advisory board member of International Journal of Prosthetic Dentistry
Dr. Naisargi Shah Department of Prosthodontics	Advisory board member of International Journal of Prosthetic Dentistry
Dr. Kamlesh Dekate Department of Oral Pathology and Microbiology	Editorial board and Reviewer International Journal of Dental Science
Dr. Jigna Pathak Department of Oral Pathology and Microbiology	Peer review committee member Terna Journal of Dental Sciences
Dr. Niharika Swain Department of Oral Pathology and Microbiology	Reviewer British medical journal Case reports Journal of Contemporary Dentistry Tumor Biology
Dr. Ravindranath VK Department of Orthodontics and Dentofacial Orthopedics	Editorial Committee Member Journal of Contemporary Dentistry
Dr. Richard Pereira Department of Periodontics	Editor in chief – Journal of Contemporary Dentistry Reviewer - Journal Of International Clinical Dental Research Organisation
Dr. Ashvini Padhye Department of Periodontics	Editorial advisory board -Quintessence International (Asia Pacific edition)
Dr. Himani Gupta Department of Periodontics	Reviewer for African Dental Journal International journal of Dental Hygiene International Journal of Health and Allied Sciences
Dr. Sumanthini MV	Assistant Editor-Journal of Contemporary Dentistry
Dr. Priyanka Machale Joglekar Department of Public Health Dentistry	Editorial Board Member- Journal of Contemporary Dentistry
Dr. Sunil Sidana Department of Oral and Maxillofacial Surgery	Assistant Editor-Journal of Contemporary Dentistry

Faculty	Members of Steering Committees of National And International Conferences Recognized by Reputed Organizations / Societies
Dr. Rohit Gadda Department of Oral Medicine and Radiology	Editorial Board Member-Journal of Contemporary Dentistry
Dr. Shrirang Sevekar Department of Pedodontics	Reviewer-The Journal of Allied and Basic sciences

3.4.6 Indicate the average number of post graduate and doctoral scholars guided by each faculty during the last four years.

- List of PG Students admitted annually under each Post Graduate teacher:

Oral and Maxillofacial Surgery

Name of Teacher	2011-12	2012-13	2013-14	2014-15	2015-16
Dr. J. S. Galinde	01	01	01	02	02
Dr. Srivalli Natarajan	01	01	01	02	02

Oral and Maxillofacial Surgery (Diploma)

Name of Teacher	2011-12	2012-13	2013-14	2014-15
Dr. J. S. Galinde	-	01	-	-
Dr. Srivalli Natarajan	-	-	01	-
Dr. Usha Asnani	01	-	01	01
Dr. Sunil Sidana	-	-	-	01

Conservative and Endodontics Dentistry

Name of Teacher	2011-12	2012-13	2013-14	2014-15	2015-16
Dr. Vanitha U. Shenoy	01	01	01	01	01
Dr. Sumanthini M. V.	01	01	01	01	01

Orthodontics and Dentofacial Orthopedics

Name of Teacher	2011-12	2012-13	2013-14	2014-15	2015-16
Dr. Girish Karandikar	02	02	02	01	01
Dr. Ravindranath V. K.	01	01	01	01	01
Dr. Vivek Patni	-	-	-	01	01

Prosthodontics and Crown and Bridge

Name of Teacher	2011-12	2012-13	2013-14	2014-15	2015-16
Dr. Sabita M. Ram	01	01	01	01	01
Dr. Jyoti Nadgere	01	01	01	01	01
Dr. Naisargi Shah	01	01	01	01	01

Oral Pathology and Microbiology

Name of Teacher	2011-12	2012-13	2013-14	2014-15	2015-16
Dr. Shilpa Patel	02	02	02	02	02
Dr. Jigna Pathak	01	01	01	01	01

Periodontics

Name of Teacher	2011-12	2012-13	2013-14	2014-15	2015-16
Dr. Ashwini Padhye	-	02	02	02	01
Dr. Richard Periera	-	-	-	-	01
Dr. Vineet Kini	-	01	01	01	01

3.4.7 What is the official policy of the institution to check malpractices and plagiarism in research? Mention the number of plagiarism cases reported and action taken.

- All research projects are channelized through the institutional research and recognition committee and the institutional ethical review committee for validity.
- All papers received for publication in the college journal are subjected through the publishing houses plagiarism software. The publishing house is required to inform the editor of any suspected act of plagiarism, in event of which the article is rejected and the author is blacklisted.
- No case of plagiarism has been reported till date.

3.4.8 Does the institution promote multi/interdisciplinary research? If yes, how many such research projects have been undertaken and mention the number of departments involved in such endeavours?

- Yes, the institution promotes multi/interdisciplinary research.
- The total multi/inter disciplinary research projects undertaken and completed - 69
- Total Department involved - 12
- Year Wise Distribution - 2012 : 03, 2013 : 11, 2014 : 26, 2015 : 29.
- Details are available with the respective departments.

3.4.9 Has the university institutiond any research awards? If yes, list the awards.

- Yes, the institution has institutiond following awards with recipients of the year 2015.
 - ▶ Dean's medal for best research: Dr. Manjeet Mapara, Lecturer, Department of Periodontics
 - ▶ Best outgoing postgraduate student award: Dr. Janaki Iyer, Department of Oral Pathology and Microbiology
 - ▶ Best outgoing undergraduate student: Dr. Vishal Punjabi

3.4.10 What are the incentives given to the faculty and students for receiving state, national and international recognition for research contributions?

- The staff members, post graduate and undergraduate students are encouraged to present posters, papers at local, national and international conferences.
- Faculty presenting posters, papers at local, national and international conferences are granted special leave and conference registration fees and travel expenses are reimbursed.
- Appreciation are awarded by the management in recognition of faculty contribution to paper presentations, is done in the form of increment, promotions and appraisal certificates.

3.4.11 Give details of the postgraduate and research guides of the institution during the last four years.

2011-12

Department	Post Graduate / Research Guides
Oral and Maxillofacial Surgery	Dr. Jyotsna Galinde, Dr. Srivalli Natrajan, Dr. Usha Asnani
Orthodontics and Dentofacial Orthopedics	Dr. Girish Karandikar, Dr. Ravindranath KV
Conservative and Endodontics	Dr. Vanitha Shenoy, Dr. Sumanthini MV
Prosthodontics and Crown and bridge	Dr. Sabita M. Ram, Dr. Jyoti Nadgere, Dr. Naisargi Shah
Oral Pathology and Microbiology	Dr. Shilpa Patel, Dr. Jigna Pathak
Periodontics	Dr. Ashvini Padhye, Dr. Vineet Kini

2012-13

Department	Post Graduate / Research Guides
Oral and Maxillofacial Surgery	Dr. Jyotsna Galinde, Dr. Srivalli Natrajan, Dr. Usha Asnani
Orthodontics and Dentofacial Orthopedics	Dr. Girish Karandikar, Dr. Ravindranath KV
Conservative and Endodontics	Dr. Vanitha Shenoy, Dr. Sumanthini MV
Prosthodontics and Crown and bridge	Dr. Sabita M. Ram, Dr. Jyoti Nadgere, Dr. Naisargi Shah
Oral Pathology and Microbiology	Dr. Shilpa Patel, Dr. Jigna Pathak,
Periodontics	Dr. Ashvini Padhye, Dr. Vineet Kini

2013-14

Department	Post Graduate / Research Guides
Oral and Maxillofacial Surgery	Dr. Jyotsna Galinde, Dr. Srivalli Natrajan
Orthodontics and Dentofacial Orthopedics	Dr. Girish Karandikar, Dr. Ravindranath KV, Dr. Vivek Patni
Conservative and Endodontics	Dr. Vanitha Shenoy, Dr. Sumanthini MV
Prosthodontics and Crown and bridge	Dr. Sabita M. Ram, Dr. Jyoti Nadgere, Dr. Naisargi Shah
Oral Pathology and Microbiology	Dr. Shilpa Patel, Dr. Jigna Pathak
Periodontics	Dr. Ashvini Padhye, Dr. Vineet Kini

2014-15

Department	Post Graduate / Research Guides
Oral and Maxillofacial Surgery	Dr. Jyotsna Galinde, Dr. Srivalli Natrajan
Orthodontics and Dentofacial Orthopedics	Dr. Girish Karandikar, Dr. Ravindranath KV, Dr. Vivek Patni
Conservative and Endodontics	Dr. Vanitha Shenoy, Dr. Sumanthini MV
Prosthodontics and Crown and bridge	Dr. Sabita M. Ram, Dr. Jyoti Nadgere, Dr. Naisargi Shah
Oral Pathology and Microbiology	Dr. Shilpa Patel, Dr. Jigna Pathak
Periodontics	Dr. Ashvini Padhye, Dr. Richard Pereira, Dr. Vineet Kini

3.5 Consultancy

3.5.1 What are the official policy/rules of the institution for structured consultancy? List a few important consultancies undertaken by the institution during the last four years.

- The institution gives consultancy and receives the consultation fees for the institution, which is deposited with the accounts department of the M.G.M Dental College and Hospital.
- The institution with the Maaya foundation and Operation Smile organization gives consultancy to cleft palate and cleft lip patients.
- Histopathological reporting of referral biopsy specimen from private dental surgeons of Navi Mumbai.
- Staff of MGM Dental College, Dr. Manjeet Mapara and Dr. Sunil Sidana provide consultancy in design and manufacture of indigenous designed dental implants in collaboration with BARC and MGM Institution of Technology.
- The institution provides consultancy to hospitals, private practitioners, NGOs, Government PHCs, Navi Mumbai Police, Fire stations, Post offices and local bodies for providing dental expertise and service.
- Feedback is provided products and dental materials including surgical supplies provided by industry. Structured feedback is also given when solicited on product characteristics by industry for enhancement.
- Consultancy with Oral B for the efficacy of their tooth brush.

3.5.2 Does the university have an industry institution partnership cell? If yes, what is its scope and range of activities?

- Yes, invites and ensures inter institutional and industrial collaboration
- Monitors the collaborative research.
- Finds out the new avenues for collaborative research.

3.5.3 What is the mode of publicizing the expertise of the institution for consultancy services? Which are the departments from whom consultancy has been sought?

- The institution publicizes its expertise in the field of dental treatment and research to all the stakeholders through different modalities like, personal interaction to the industry, advertisement in the newspapers, through various camps etc.
- The institution has an updated website to showcase the treatments offered for easy access to community.
- All the departments of institution are involved in consultancy services.

3.5.4 How does the institution utilize the expertise of its faculty with regard to consultancy services?

- The institution utilizes the expertise of its faculty by giving consultation through the Maaya foundation and Operation Smile to rehabilitate the patients of cleft lip and palate.

- The Public Health Dentistry department renders its consultation to the rural population through rural satellite centers and primary health care centers.

3.5.5 Give details regarding the consultancy services provided by the institution for secondary and tertiary health care centers and medical / dental practitioners.

- The Institution holds dental check-ups and treatment camps at the primary health care centers, at the village level, where preliminary treatment of oral health diseases are rendered.
- Lectures on oral health care and hygiene are given for prevention of oral disease and ill effects of tobacco are highlighted. Patients are screened for precancerous lesions.
- The specialists from the institution are deputed to satellite and rural health centers to render secondary and tertiary treatment including emergency services and specialized treatment in all specialties of dentistry- Oral surgery, Periodontics, Conservative and Endodontics, Pediatric dentistry and Prosthodontics.
- The faculty also lectures on dental health education.
- Tele-medicine consultation for dentists in rural setup is given by the faculty of the institution, through internet and social networking. Faculty consults for the rural dental practitioners, for familiarization with newer materials and concepts through meetings held at local IDA branch offices.

3.5.6 List the broad areas of consultancy services provided by the institution and the revenue generated during the last four years.

- Oral cancer diagnosis
- Developing dental implants
- Finding latest treatment modalities
- The consultancy service rendered by the institution in the Rural setups is on an honorary basis for rural out-reach program.
- The institution has given a proposal for empanelment under the Ex-service men Contributory Health Scheme (ECHS) which is expected to be approved.
- The Maaya Foundation provides finances for the surgical intervention and rehabilitation of patients with cleft lip and palate.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the institution sensitize its faculty and students on its Institutional Social Responsibilities? List the social outreach programs which have created an impact on students' campus experience during the last four years.

- The institution at every stage believes in the Gandhian philosophy of treatment to the poor and reflects it in its vision and mission which is displayed very prominently in the college premises.
- During orientation programs the students are made aware of their social responsibilities towards the patients and their care. Compassion and empathy is the motto of the institution.
- The interns are deputed during their tenure to assist the senior citizens and uneducated patients who do not understand the layout of the institution and

treatment options through a helpdesk.

- The institution renders free treatment to BPL, card holders and subsidizes charges for patients from lower economical strata of society.
- The Institution has made a policy for the students to work in the five rural satellite centers to treat patients and understand the need of the rural population.
- World anti-tobacco day has been organized every year for the last four years at the most visited mall in the Navi Mumbai, area where a rally from the railway station to the mall is led with anti tobacco placards and posters. Flash mob and street plays are performed to demonstrate the ill effects of tobacco. Counselling of patients, poster competition by children and signature campaign against tobacco is conducted to gather public opinion against use of tobacco.
- The oral hygiene day has been celebrated every year for the last four years, with different themes. The current theme being oral hygiene for the rural population which was conducted at the Ajivalli village, where dental hygiene kits were distributed free of cost sponsored by the Colgate Palmolive India Ltd. The students had presented a skit which was directed, scripted and enacted by the students themselves which reflected the social responsibility of the students towards the oral health care.
- The Women's day program organized by the students and faculty, celebrated this year had the theme to show the institutional social responsibility by acknowledging the women for their contribution towards maintaining the hygiene of the institution, by giving away gifts to them.

3.6.2 How does the institution promote university-neighborhood network and student engagement, contributing to the holistic development of students and sustained community development?

- The institution networks extensively with local NGOs and voluntary agencies and caters to a neighborhood that covers a radius of 150 km.
- This enhances extension activities of the institution and benefits the community in that they get greater and easier access to oral health education, screening and care.
- The institution encourages students to participate in such services, and the variety of such extension activities conducted (as listed earlier) enable students to acquire attitudes for service and training, as well as contribute to community development.

3.6.3 How does the institution promote the participation of the students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International programs?

- Depending on the nature of activity, faculty members, under and postgraduate students, or the entire college, participates in extension activities. For example, faculty members and students participate in numerous free dental camps and dental health check-ups that are organized in collaboration with industry and local NGOs; students are taken to sites outside the college (community, schools, industry, rural and semi-urban areas) and conduct activities such as:
 - Multi-media based health education.
 - Screening and health education.

- Health service program.
- Maaya Foundation Cleft Lip Palate.
- The institution provides services using the mobile dental clinic, which ensure rendering of extension services in remote areas.

3.6.4 Give details of social surveys, research or extension work, if any, undertaken by the institution to ensure social justice and empower the underprivileged and the most vulnerable sections of society?

- Social surveys are being carried out to bring about awareness of the oral health, prevention of caries and periodontal diseases, misuse of tobacco and early detection of oral cancer among the rural and underprivileged. A survey on the prevalence of oral health problems in the mentally challenged children of the Helen Keller institution has been carried out, the prevalence of the oral diseases among the population in the adivasi villages and Zilla Parishad schools has been conducted. This has enabled the institution to make provisions in the teaching, learning and treatment to be incorporated for the underprivileged.

3.6.5 Does the institution have a mechanism to track the students' involvement in various social movements / activities that promote citizenship roles?

- Yes, the institution has a mechanism to track the students' involvement in various social movements / activities through the public health dentistry department.
- The faculty, Head of Department and monitor continuously the social activities assigned to the student.
- The report of these activities are analyzed and discussed in IQAC for further improvements.

3.6.6 How does the institution ensure the involvement of the community in its outreach activities and contribute to community development? Give details of the initiatives of the institution that have encouraged community participation in its activities.

- Various programs are conducted by institution which has community involvement.
- The community feedback is taken to improve the hospital services, the suggestions are analyzed and included for curriculum change.
- Community representatives are involved / selected / nominated on different college committees.
- The community leaders are invited for various college activities, treatment camps and social functions, so that they are involved in community development.
- The details of initiatives are already mentioned in the form of community services.
- Allied Health Professional Aasha worker and Teachers are trained in dental health education so as to arborize into the rural sector for the betterment of the rural population. Follow up and treatment through camps is carried out once the population is sensitized.

3.6.7 Give details of awards received by the institution for extension activities and/ contributions to social/community development during the last four years.

- Commendation has been received from the Rotary Club Andheri Branch for conducting screening and treatment camps. Subsequent treatment needed was carried out at M.G.M Dental College, for which the rotary club financed the treatment of the patients.

- Camp with the Rotary Club was carried out in the Industrial estate of Juinagar.
- Letters of appreciation have been received from the:
 - Rotary club for the contribution towards oral health care and hygiene provided by the M.G.M Dental College and Hospital , Navi Mumbai.
 - Hellen-Keller Institution for the oral health care of deaf and mute children.
 - M.G.M School for Oral health Care of the students.
 - Navi Mumbai commissioner was received for the survey carried out of the police stations personnels and their families.
 - Sarpanch at Shirdon, Kashele, agivalli for contribution of maintenance of oral health care of the underprivileged in rural areas of Raigarh district

3.6.8 What intervention strategies have been adopted by the institution to promote the overall development of students from rural/ tribal backgrounds?

- Those students coming from rural and tribal backgrounds are given concession during their education. They are also encouraged for participating in language classes and social communication skills. English classes are conducted to make them improve their language. Special mentorship programs are arranged for them, they are also given assistance in obtaining bank loans and are allowed to pay their fees in installments.

3.6.9 What initiatives have been taken by the institution to promote social-justice and good citizenship amongst its students and staff? How have such initiatives reached out to the community?

- The staff and students are encouraged to attend lectures on ethics, respect to women, care for the senior citizen and empathy to the poor and under privileged. They are encouraged to contribute to the national cause of floods and earthquakes. Free dental camps are held for the community, home visit for the old and disabled.
- Blood donation camps are held in the college and peace day for maintaining of religious harmony is encouraged in and outside the college
- The patients reporting to the college from rural and tribal background are given free / concessional rates for treatment. This ensures equitable distribution and allocation of healthcare services to all segments of society.
- Under privileged patients from old age homes, destitute homes and the handicapped are given free treatment.
- This promotes social awareness and service culture amongst the student instilling culture of giving service to the under-privileged.

3.6.10 How does the institution align itself with the annual themes/programs of WHO/ ICMR?

- The college according to the themes of the WHO celebrates the Oral Hygiene Day, Anti-Tobacco day.
- Oral Cancer Awareness day to bring about the awareness of oral health care and achieve the WHO goals of preventing non communicable disease by holding oral health camps, Anti-tobacco campaigns and oral cancer detection drives.

3.6.11 What is the role of the institution in the following extension activities?

- The institution has a number of extension activities for the prevention, detection,

screening, management of diseases and rehabilitation by carrying out dental treatment camps free of cost in the rural dental centers and rural areas.

- The institution has a mobile dental van with facilities to carry out screening and treatment of patients in remote areas of villages.
- The institution hold camps to bring about the awareness of the ill effects of tobacco and educate the community on causes of cancer and precancerous conditions.
- The institution surveys and imparts treatment for the physically challenged children.
- The institution sends specialists to the old age home to cater for their oral health care and treatment. Home visit dentures are also fabricated at the residence of the geriatric patients who cannot visit the hospital. All these are done at the expense of the Institution.

3.6.12 Do the faculty members participate in community health awareness programs? If yes, give details.

- Yes, the faculty participates in various community health awareness programs conductive by the institution.
- Faculty members are posted at rural satellite centers where they impart treatment to the community at large.
- The faculty members train the Aasha workers on Oral Hygiene and Health Care and enlighten them on the cleft lip and cleft palate patients who need treatment.
- The faculty trains the Zilla parishad school teachers "Train the Trainer" on the maintenance of oral and dental health care. They in turn are motivated to lecture the parents and children during the parent teacher meetings and during assembly of students respectively and as mentioned in 3.6.6, 3.6.9 and 3.6.11.

3.6.13 How does the institution align itself and participate in National program for prevention and control of diseases?

- The institution follows the national health policy of prevention of caries, periodontal diseases and prevention and detection of oral cancer.
- The Institution has a policy of educating the masses through their oral healthcare programs collaborated with the dental toothpaste companies.
- They also collaborate with other industries to acquire samples which can be distributed to the poor or under privileged patients to maintain their oral healthcare
- The rotary club has collaborated with the institution to treat patients from economically weaker sections of society.
- The home for the destitute at Nere receives treatment from the MGM Dental College.

3.7 Collaborations

3.7.1 How has the institution's collaboration with other agencies impacted the visibility, identity and diversity of campus activities? To what extent has the institution benefitted academically and financially because of collaborations?

- The Institutions collaborations have increased its visibility and identity and has contributed toward diversity of activities.

- The institutions collaboration within the departments and the sister institutions within the trust have contributed to research both intra mural and extra mural therefore imbibing a research culture among students and faculty.
- Industry collaborations with BARC, IIT and Colgate through consultancy has brought in grants and inculcated initiative for sponsored research. They have increased the institutions visibility and is helping us in getting more externally funded projects that will promote the institution as a recognized research center.
- Collaborations with the NGOs and public private partnerships in the institutions initiative towards social outreach has established us as a consultancy to provide advanced dental care to patients who are in need, thus providing students an opportunity to learn thereby enhancing the teaching capacity of the faculty.

3.7.2 Mention specific examples of how these linkages promote

*** Curriculum development**

- The faculty and students through linkages, have a chance to be exposed to the industry, corporate houses, sister institutions. It broadens the horizon in bringing about changes in the teaching and learning methods. These can be conveyed through the college council to the University for incorporating in the curriculum development.

*** Internship**

- Interns are posted in rotation in various departments and linkages with the other institutions, NGOs, schools, under-privileged homes, visit to dental laboratories and elite practitioners create awareness for skill development. They also attend CDE programs, workshops and scientific deliberations conducted by central bodies like the Indian dental association and specialized dental associations.

*** On-the-job training**

- During the internship programs, they are exposed to hands on training through linkages on important topics particularly to enhance their clinical skills. They are monitored chair-side on patient diagnosis and treatment planning, emergency management. They are also exposed to lectures on practice management and how to develop communication skills that instill confidence in the student to face professional challenges independently.

*** Faculty exchange and development**

- Exchange faculty programs are encouraged with linkages and collaborations to enhance their knowledge and skills.

*** Research**

- The research in various fields is carried out with the collaborative and linked institutions.

*** Publication**

- Research carried out in the institution by collaborations and linkages are developed and are published in national/ international journals.

*** Consultancy**

- The consultancy provided by institution brings about more visibility and awareness with other institutions thus helps in expanding the consultancy service imparted by the institution.

*** Extension**

- The extension service given through the linkages to collaborative institution like the NGOs, Industries and service sectors enhance the activities of the institution.

*** Student placement**

- The students through the college, senior faculty, collaborators and linkages have been placed in various hospitals, practices and have acquired admission in institution of higher education abroad. A few have joined the parent institution as faculty and some have been taken up by the corporate chain of "My Dentist" group and dental industry

*** Any other (specify) alumni and placements [at least 10]**

- Dr. Trupti Sarode is Research assistant at University of Minnesota
- Dr. Harsh Sharma, Lecturer, Lomalinda, USA
- Dr. Prajakta Shanbhag is Research Assistant at the Dept. of Research and Nursing at University of Colorado, Denver, USA.
- Dr. Juveria Sayyad is pursuing her post graduate studies in united states of America.
- Dr. Kishor Chindam has completed his MBA degree from the IIM , Trichi and is currently working with Carestream.
- Dr. Prashant Poplai is working in "Spreading Smiles" In North California.
- Dr. Deesha Majithia is "MAS" Manager at Global Health And Human Services in British, Colombia.
- Dr Harish Konar is Manager, Medical Analyst, IKS, Powai.
- Dr. Zita Antoa is HR Manager and Recruitment, My Dentist, Mumbai.

3.7.3 Has the institution signed MoUs or filed patents with institutions of national/ international importance/other universities/industries/corporate houses etc.? If yes, how have they enhanced the research and development activities of the institution?

- Yes, MOUs have been signed with various institutions which have created an impact on the treatment to patients.
- BARC, Maaya foundation, MGM medical colleges, Navi Mumbai and Aurangabad, ERASMUS MUNDUS Program.

3.7.4 Have the institution-industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?

- The institution has established an implant manufacturing unit with a CNC milling machine. Institution and industry have helped to establish an efficient laboratory for dental restorations.

3.7.5 Give details of the collaborative activities of the institution with the following:

*** Local bodies/ community**

- The institution has collaborative activities with the Rotary Club, Zilla Parishad Schools, Helen Keller Institution for the blind deaf and mute and Seal Ashram for destitute, with MGM School, Nerul for dental treatment and prevention of

dental diseases in school children, with department of anaesthesiology for sedation of Paediatric dental patients to provide comprehensive dental treatment of young anxious and fearful dental patients.

*** State government / Central government /NGOs**

- The institution collaborates with CIDCO, NMMC, the Maaya foundation, BARC Mumbai, and NGOs such as Hellen Keller Institution, UMANG and Seal ashram

*** National bodies**

- The college collaborates with the Indian Dental Association and all speciality National Dental associations.

*** International agencies**

*** Health Care Industry**

- Biomedical, Pharmaceutical, Herbal, Clinical Research
- Colgate Palmolive India Ltd, Oral B, Septodont.

*** Organization Clinical Research Organization (CRO)**

- The institution has interacted with the dental health care industry in the form of clinical research

*** Service sector**

- Police, post office, applied for Ex-servicemen Contributory Health Scheme, RTO and Zilla Parishad schools.

3.7.6 Give details of the activities of the institution under public-private partnership.

Any other information regarding Research, Consultancy and Extension, which the institution would like to include.

- The institution in collaboration with The Maaya foundation is working for the rehabilitation of cleft lip and palate cases.
- Oral-B has worked with the institution on their brush design and efficacy
- The institution has conducted camps at Zilla Parishad schools in collaboration with the Indian Dental Association and Colgate for oral health and maintenance of oral hygiene, Anti tobacco drive with colgate and Nicorette.

CRITERION IV INFRASTRUCTURE AND LEARNING RESOURCES





CRITERION IV:
INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 How does the institution plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?

- The Institution and hospital is situated within the MGM campus. It is situated in an area of five acres of land. The campus is eco-friendly with a Go Green concept. It is situated in a semi urban area on the highway with residential areas in and around the campus.
- The Institution is accessible to numerous villages and industrial areas from where patient can easily approach for the desired treatment. Likewise, it is convenient for the students and staff to visit the rural areas for imparting oral health education, screening and treatment.
- Dental college building is well planned with an area of 20961 square meters which fulfills the criteria laid down by DCI. It has well laid out and equipped departments, to cater to the needs of the patients and education of the students.
- It has an adjoining medical college and hospital which helps and guides the patient to the dental college who require dental care.
- The Dental College has staff quarters, students' hostel, gymnasium, auditorium, indoor and outdoor facilities. The infrastructure provided is based on the needs as well as the potential for growth in various areas of dentistry.
- The optimum usage of the same is ensured by inducing a productivity based work culture.
- The hospital's patient statistics signifies the optimum utility of clinics, whilst the overall academic results and research output reflects optimum utilization of academic related infrastructure facilities.

4.1.2 Does the institution have a policy for the creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.

- Yes, the Dean in consultation with the head of the departments ensures enhancement of infrastructure to promote quality teaching.
- The budget allocation for purchase of latest equipments undertaken by the purchase committee periodically.
- The institution has purchased a Dental Operating Microscope, Research microscope, Conscious sedation unit and an All ceramic furnace to upgrade the facilities in the departments. The library has e-learning facilities. The classrooms with AV aids are Wi-Fi enabled.

4.1.3 Has the institution provided all its departments with facilities like office room, common room and separate rest rooms for women students and staff?

- Yes, the institution provides all its departments with the infrastructure facilities as per the guidelines of DCI.
- Each department has separate cabins for Head of the Departments and Professors,

Readers and lecturers. Postgraduate students have a separate common room with individual workstations and locker facilities. The departments also have common rest rooms. However, there are separate rest rooms for women and men on each floor, which are accessible to students, staff and patients.

4.1.4 How does the institution ensure that the infrastructure facilities are barrier free for providing easy access to college and hospital for the differently-abled persons?

- An elevator is installed for use by geriatric patients and patients with ambulatory impediments.
- The wheelchairs are readily available. The Institution provides a ramp to facilitate use of wheelchairs for handicapped patients.
- There are toilet facilities especially for the geriatric patients and differently abled patients.
- All differently abled patients are treated with extra care and compassion with personal attention given to them.
- There is a helpdesk to offer assistance to uneducated patients, senior citizens, patients with disabilities.

4.1.5 What special facilities are available on campus to promote student's interest in sports and cultural events/activities?

- Indoor and outdoor sports are highly encouraged in the campus. Indoor games include table tennis, chess and carrom is available.
- The campus has a huge playground for all outdoor activities like cricket and football, there is a separate area made available for throw ball and volley ball enthusiasts. There is a functional and well equipped gymnasium which is made available for the students.
- The institution holds the college fest - MAGNUM, annually, spreading over a period of two weeks which promotes scientific, cultural and sports events equally.
- The institution was is active in conducting the Swach Bharat campaign by adopting the Khandeshwar station and bringing about sensitization to maintain Swachata in our surroundings.
- The students are encouraged for various other cultural activities like singing, dancing, painting, literary arts, cooking, quiz, debates, mehendi and rangoli and photography to showcase their talents during the college week.
- The finale of the college fest is a grand event which is organized by the student council with their initiative having various inter and intra college competitions like personality contest, fashion show, dance, drama, singing etc.
- The college also runs a PIXEL club to promote photography.

4.1.6 What measures does the institution take to ensure campus safety and security?

- The college has round the clock security personnel manning the whole campus including hostels.
- There is availability of CCTV cameras for 24 hour surveillance in the campus as well as on all floors, classrooms and departments. The campus is very well lit which creates a sense of safety.

- College students are not permitted to enter the campus without their identity cards. The wards staying in the hostel are not allowed to leave the hostel with prior permission from the warden and it is mandatory to return to the campus before 09:30pm. On weekends, without parents written permission the wards are not allowed to leave the campus.
- Resident wardens in the boys and the girls' hostel guarantee safety within the hostel. The section head of the security organizes periodic meetings and briefings with the class IV employees with regards to safety.
- A fire drill is also organized to highlight fire safety.
- An anti-ragging committee, student welfare committee and grievance cell are formed so as to ensure the safety of all students.

4.1.7 Facility of Animal House

Facility of animal house is available in the campus.

4.1.8 Provide the following details on the use of laboratories/museums as learning resources:

* **Number**

* **Maintenance and up-gradation**

* **Descriptive catalogues in museums**

* **Usage of the above by the UG/PG student**

- Every department has laboratory/ museum.
- All the laboratories and museums of the respective department are regularly maintained and upgraded from time to time. The instrument and equipment are regularly maintained by Bio maintenance department. AMC's and CMC's are done for the needed instrument and equipment.
- The museum, pictorial charts and diagrams are used for teaching and learning for UG and PG courses. Various models films and X-rays are also made available in the laboratories.
- Catalogues are available with proper labeling and sequence.
- The museums are also utilized for patient education and counselling, oral health education and treatment planning.

4.1.9 Dentistry

* **Dental Chairs in the clinic:** Total = 276

● Dental chairs specialty-wise in the Institution:

Departments	Total
Conservative Dentistry and Endodontics	44
Oral and Maxillofacial Surgery	52
Oral Medicine and Radiology	12
Oral Pathology and Microbiology	09
Orthodontics and Dentofacial Orthopedics	29
Pedodontics and Preventive Dentistry	18
Periodontology	47
Prosthodontics and Crown and Bridge	47
Public Health Dentistry	18
Total	276

*** Schedule of chair side teaching in clinics - speciality wise**

- ▶ BDS 3rd Year – 2½ hrs/day
- ▶ BDS 4th Year – 3½ hrs/day
- ▶ Intern – 7 hrs/day

*** Chair side teaching in clinics in various specialties for postgraduate students:**

- 1st MDS : First Term - 03 hrs/day
Second Term - 9.30 am to 3.30 pm
- 2nd and 3rd MDS : 9.30 am to 3.30 pm

*** Number of procedures in the clinics per month and per year**

- Details available in the department.

*** Mobile Dental Care Unit**

- A well equipped and high tech mobile dental care unit is available in the institution. It has a dental chair fitted with airtor, micromotor, an ultrasonic scaler and a compressor. Other facilities include autoclaving equipments, with a seating capacity of 10 personnels.
- Mobile dental care services are very useful in remote areas where there is a paucity of dental infrastructure. Mobile dental care services are feasible in such areas.
- The availability of mobile dental unit facilitates student's participation in community based activities. Various camps are organized in remote and rural areas through mobile dental care units which not only fulfil the criteria of service, but also instill values in students to contribute towards community development.
- Students and staff routinely perform multimedia based health education, screening and provide primary health services in such programmes.

*** Facilities for dental and maxillofacial procedures**

- The Institution has a Trauma Center, cleft lip and palate rehabilitation centre and post operative rehabilitation center for cancer patients
- The institution has materials and equipments for treating and providing rehabilitation to patients with Maxillofacial anomalies, developmental or acquired defects.

*** Dental laboratories**

- The respective departments have well equipped laboratories and trained technicians to provide treatment to patients with desired restorations.
- The oral pathology department has a well equipped laboratory for reporting on blood and biopsies.

4.1.10 Pharmacy: NA

*** Pharmaceutical Science Laboratories**

*** Museum for drug formulations**

*** Machine room**

*** Herbarium / crude drug museum**

*** Balance room**

*** Chemical store**

*** Instrumentation facilities**

- * **Pilot plant**
- * **Computer aided laboratory**

4.1.11 Yoga and Naturopathy

- * **Demonstration hall with teaching facility to cater to the needs of the students.**
- * **Diet Service Management Department**
- * **Yoga cum multipurpose hall for meditation and prayer- Available.**
- * **Solarium compatible for multimedia presentation**
- * **Mud Storage Unit**
- * **Outdoor Facilities - Walking track with reflexology segment.**
- * **Swimming Pool**
- * **Naturopathy blocks**
 - The institution has facility for practice of yoga for staff and students which is held once a week.
 - A dietitian visits the institution on a fortnightly basis, who advises and takes lectures on healthy diet.
 - The institution has a sister concern i.e. MGM institution of Naturopathy which has all the facilities of Naturopathy treatment like Shirodhara, Mud Therapy, Ancient Massage Therapy etc.
 - Experts from the above institution visit to deliver lectures on different modalities of Naturopathy.

4.1.12 Homoeopathy - NA

- * **Museum and demonstration room (Homoeopathic Pharmacy Laboratory, Pathology Laboratory, Community Medicine, Homoeopathic Materia Medica, Organon of Medicine including History of Medicine)**
- * **Repertory with Computer Laboratory and Demonstration room.**

4.1.13 Nursing - NA

4.1.14 Ayurveda - NA

4.1.15 Does the institution have the following facilities? If so, indicate its special features, if any

- * **Meditation hall**
- * **Naturopathy blocks**
 - The institution makes it convenient for the staff and students to practice yoga and Meditation.
 - The institution has a sister concern i.e. MGM institution of Naturopathy which has all the facilities of Naturopathy treatment like Shirodhara, Mud Therapy, Ancient Massage Therapy etc.

4.1.16 Provide the details of sophisticated equipments procured during the last four years

- The institution has procured instruments and equipments to upgrade the standard of teaching and treatment to patients.

- Research Microscope (Pentahead), Conscious sedation unit, Satelecpiezotome, Diode laser, Iontophoresis, RVG unit, Implant kit, All Ceramic Furnace, Dental Operating Microscope, laryngoscope and a number of equipments

4.2 Clinical Learning Resources

4.2.1 Teaching Hospital

*** Year of establishment:**

The Dental College and Hospital was established in 2003.

*** Hospital institution distance:**

- Dental Hospital and College are established in the same building. The MGM Medical Hospital is in the same campus adjacent to the Dental College.

*** Whether owned by the college or affiliated to any other institution?**

- The MGM Dental College and Hospital is owned and governed by the same management.

*** Are the teaching hospitals and laboratories accredited by NABH, NABL or any other national or international accrediting agency?**

- The central pathology lab is accredited by NABL.
- The college aspires to be accredited by national assessment and accreditation council. However, the Medical College and Hospital is accredited by NAAC with an A Grade.

*** Number of beds:**

- The total number of dental chairs available in the dental college is 276.
- The Oral and Maxillofacial Surgery department of MGM Dental College and Hospital has 20 beds earmarked separately.
- The Medical College and Hospital has 824 beds.

*** Number of specialty services:** The college offers a number of specialty services which include-

- Orthodontics and Dentofacial Orthopaedics: Alignment of teeth in patients with Cleft lip and palate, Orthognathic surgical orthodontic alignment of teeth, Micro implants for movement of teeth.
- Oral and Maxillofacial Surgery: Orthognathic Surgery, Surgical Management of trauma, Cancer Surgery and cleft palate rehabilitation.
- Prosthodontics and Crown and Bridge: Implants, Computerised smile designing, full mouth rehabilitation, tempromandibular joint syndrome, esthetic restorations
- Periodontology: Laser Surgery, Flap Surgery, Implant Placements.
- Conservative Dentistry and Endodontics: Root canal treatment, bleaching, Rotary Endodontics, Microendodontics, Esthetic Restorations.
- Pedodontics and Preventive Dentistry: Preventive Fluoride Application, Habit Breaking appliance.
- Oral Pathology and Microbiology: Detail Biopsy Reporting and blood examination.
- Public Health Dentistry: Preventive Measures for school children and comprehensive treatments to patients.

- Oral Medicine and Radiology: Detection of oral lesions, Pre-cancerous conditions and treatment

*** Number of super-specialty services**

- There are super speciality services which are offered by our institution. These include:
- Implantology, Microendodontics, Geriatric treatment, Conscious sedation for Pediatric patients.
- Centre for Cleft Lip-Cleft Palate and Trauma Center.
- Tobacco intervention initiative and Precancer-cancer detection centre.

*** Number of beds in ICU/ICCU/PICU/NICU, etc.**

Total- 32

ICCU and MICU- 10

SICU and IRCU- 10

CVTSICU- 04

PICU- 08

*** Number of operation theatres**

- Oral Surgery has fully equipped operation theatre for major surgeries, Periodontics, Pedodontics and Department of Endodontics have minor operation theatres.
- There are Fourteen Major Operation theatres in the Medical hospital.

*** Number of Diagnostic Service Departments**

- The Dental College and Hospital is a multispecialty institution, all the departments offer diagnostic services in their own specialty.
- Oral Radiology department of the dental college has Digital Orthopantomogram, Intra oral periapical radiograph, Lateral Cephalogram, Occlusal Radiograph and Radio Visiography is available for diagnostic purposes.
- Oral Pathology provides hematology, exfoliative cytology, fine needle aspiration cytology and histopathological reporting as diagnostic services.

*** Clinical Laboratories**

- Clinical laboratories aid in efficiently providing services for dental patients. The following clinical laboratories are available in the dental college.
- Department of Oral Medicine and Radiology provides radiological services.
- Department of Oral Pathology and Microbiology provides pathological and haematological services.
- Department of Prosthodontics and Endodontics provides various types of prosthesis and restorations for oral rehabilitation of patients.

*** Service areas viz. laundry, kitchen, CSSD, Backup power supply, AC plant, Manifold Rooms, pharmacy services:**

*** Laundry**

- There is an on campus laundry facility available. The laundry service caters to

provide clean and fresh linen everyday which are used in hospital and clinics.

*** Kitchen:**

- Yes, it is available.

*** Central Sterile Supplies Department (CSSD)**

- Yes, it is available. Ethylene Oxide (EtO) Sterilization is also available.
- The dental college also has sterilization facilities in each department.

*** Backup Power Supply:**

- There is availability of a generator for uninterrupted power supply to the Dental College and Hospital.
- Total Electrical Power Generation capacity of MGM campus Generators is 1500 KVA=1200 KW.
- Total quantity of Diesel Generators is 03.
- Capacity of each Generator is 500 KVA=400 KW.

*** AC Plant:**

- There are air conditioners provided in all departments and offices.

*** Manifold Room:** Available

*** Pharmacy Services:** Available

*** Blood Bank services**

- There is a state of the art blood bank service available on the campus.
- The Dental College takes active interest in organizing blood donation camps in the Dental premises.

*** Ambulance services**

- Ambulance service is available on campus.

*** Hospital Pharmacy services**

- There is a 24x7 pharmacy service available on campus.

*** Drug poison information service:**

NA

*** Pharmacovigilance:**

- Available in the Department of Pharmacology.

*** Mortuary, cold storage facility:**

- There is facility of a mortuary available on campus.

*** Does the teaching hospital display the services provided free of cost?**

- Yes, the teaching hospital provides a detailed display of all free services.

*** What is the mechanism for effective redressal of complaints made by patients?**

- Complaints/Suggestion boxes are placed for easy access in all departments for receiving grievances/appreciation/suggestions from patients.
- These are addressed by the Head of Departments and appropriate remedial measures are undertaken for patient satisfaction and compliance.

- Feedback forms are collected from the patients after treatment completion and evaluated by the Head of Departments at the end of each month.
- Major complaints that cannot be addressed at the departmental level are brought up for discussion at the Head of Department meeting and remedial measures are taken.
- The final appealing authority is the Dean of the Dental College and Hospital.

*** Give Four years statistics of inpatient and outpatient services provided.**

The outpatient services provided by the Dental College are summarized in the following table:

Sr. No.	Speciality	Total OPD			
		2011	2012	2013	2014
1	Oral Diagnosis	30108	47241	60886	61294
2	Community Dentistry	19508	23183	26179	29589
3	Pedodontics	05670	10095	12576	13319
4	Conservative Dentistry	16621	19891	21677	21034
5	Prosthodontics	13501	16319	17566	17224
6	Periodontics	10530	16102	19485	22704
7	Orthodontics	9521	9012	13783	13493
8	Oral Surgery	12341	16098	21019	21730
9	Oral Pathology	1765	3276	9555	6918
Total		119565	161217	202726	207305

*** Does the hospital display charges levied for the paid services?**

- Yes, the hospital clearly displays the details of the paid services at the payment counter and the respective departments.

*** Are the names of the faculty and their field of specialization displayed prominently in the hospital?**

- Yes, the names of the faculty, their designation and their field of specialization are prominently displayed on the ground floor in the patients waiting area and outside the respective department.

*** Is pictorial representation of the various areas of the hospital displayed in a manner to be understood by illiterate patients?**

- Yes, there is a pictorial representation in the form of a guided map which is displayed on all floors for patient assistance.

*** Is there a prominent display of ante-natal, mother and child health care facilities?**

- It is available in the medical pediatric department.
- There is a prominent display of oral health care facility in department of Pedodontics.

*** How does the hospital ensure dissemination of actual information regarding rights, responsibilities and the healthcare costs to patient and the relatives/attendants?**

- The hospital ensures that patients and relatives are made aware of their rights, responsibilities and health care costs by displaying the same at strategic locations in English and local language.

*** How does the hospital ensure that proper informed consent is obtained?**

- The hospital ensures that a duly signed consent form is taken from the patient in each and every department before he/she undergoes any type of treatment.

*** Does the hospital have well-defined policies for prevention of hospital-acquired infections?**

- Yes, the hospital has a infection control committee which has a well defined policy for prevention of hospital acquired infections.
- The Bio safety and environment committee monitors the infection control activities.

Does the hospital have good clinical practice guidelines and standard operating procedures?

- Yes, the institution has excellent clinical practice guidelines and follows standard operating procedures which are formulated by all departments.

*** Does the hospital have effective systems for disposal of bio-hazardous waste?**

- Yes, the hospital has an effective system for disposal of bio hazardous waste. The institution follows all norms in disposing of the wastes to ensure the safety of the individuals and the environment.

*** How does the hospital ensure the safety of the patients, students, doctors and other health care workers especially in emergency department, critical care unit and operation theatres? Are the safety measures displayed in the relevant areas?**

- The safety of the patients, students, doctors and other health care workers is well ensured by the institution and is given utmost priority especially in the emergency department and operation theatres.
- The operation theatres are well fumigated and all sterilization protocols are adhered to. The operation theatres are well lit with good ventilation. Entry of personnel in these areas is restricted.
- Bio-waste management system for disposal of wastes is followed as per the norms to ensure that there are no health hazards.
- Administration of Hepatitis –B vaccination, Hematology profile, dental examination is mandatory.
- Also lectures and demonstrations are taken on medical emergencies and CPR.

*** How are the Casualty services/Accident and Emergency Services organized and effectively managed?**

- The casualty services, accident and emergency services are very effectively managed by the hospital and for maxillofacial trauma by Department of Oral and Maxillofacial Surgery.
- There is a 24x7 on call service available to cater to any kind of emergency.

*** Whether the hospital provides patient friendly help-desks at various places.**

- Yes, the hospital provides a patient friendly help desk in every department with

the telephone number of the Head of Department and the Dean displayed there.

*** Does the hospital have medical insurance help desk?**

- Yes, the hospital provides information about the medical insurance if the patient has medical insurance with some agency. It also coordinate with the insurance agencies if required by the patient.

*** What are the other measures taken to make the hospital patient friendly?**

The hospital is made patient friendly in several ways which include:

- Spacious neat and clean waiting areas and workstations.
- Compassionate and helpful staff and students with effective communication skills.
- Efficient helpdesk.
- Display boards for patient guidance.
- Television for patient education.
- Display of treatment charges and faculty list.
- Electronic display system.
- Mobile Dental unit.
- Patient assisting by interns and postgraduate students to facilitate patient access to the relevant department.
- Mobile number of the Head of Department, Dean and the Administrative officer displayed at various areas for patient assistance.
- Filtered Drinking water.
- Restrooms / Washrooms on each floor.
- Special arrangement in restrooms for geriatric patients.
- Elevator and ready availability of wheelchairs.
- Ramps and elevator for differently able patients.
- Support railings.
- Free/concessional rates for poor patients.
- Bus facility for patient pick up and drop.
- Spacious, hygienic and subsidized canteen facilities.

*** How does the hospital achieve continuous quality improvement in patient care and safety?**

- Hospital monitors continuous quality control measures to ensure patient care and safety. The following are undertaken-
 - Patient Care Cell which is a part of IQAC.
 - Continuous monitoring of students by staff while they are working in the clinic.
 - Informed consent is taken from all patients before delivering treatment.
 - Patient feedback is taken from all the department.
 - The Dean and the Administrative officer's mobile numbers are displayed at

various locations for accessibility to the patient.

- Strict infection control measures are adhered to in order to safeguard the patient and the health care provider's health.
- Latest equipments are procured and existing ones are upgraded from time to time to provide modern treatment facilities to all patients.
- Continuous up gradation of knowledge of faculty and students is ensured through CDE programmes, seminars and workshops.
- All measures are taken to ensure ethical disposal of biohazard wastes.

*** What are the measures available for collecting feedback information from patients and for remedial actions based on such information?**

- Feedback forms are available with all departments for the patients critical evaluation towards the services provided by the institution.
- All feedback forms are evaluated and the report of the same is discussed by the Head of the Department with the Dean at the end of every month.
- Unsolved issues at departmental level are further undertaken by the Dean to improvise the services provided.
- The IQAC in its review meeting also discuss on the outcomes of feedback analysis and give a road map for improvement.

*** How does the institution ensure uniformity in treatment administered by the therapists?**

- All patients are treated with the same care and compassion.
- The institution has Standard Operating Procedures (SOP) in all departments.
- The copy of this is given to all staff members and students prior to working in the respective department.
- It is ensured that the SOP is strictly followed by all, so as to maintain a standardized protocol towards delivery of treatment by all therapists.

*** Does the institution conduct any orientation training program for AYUSH-based para-medical staff?**

NA

4.2.2 What specific features have been included for clinical learning in the out-patient, bedside, community and other clinical teaching sites?

- Prior to the entry in the III year clinics, an orientation for clinical practice with lectures on communication skills, dental ethics, importance of sterilization during the white coat ceremony is undertaken.
- Clinical teaching is incorporated from the III year of the BDS course. Chairside discussions and demonstrations are taken. Students are made to observe and assist in procedures being carried out by senior faculty to acquire knowledge on the procedures.
- Various features for clinical learning includes SOPs, demonstrations on clinical procedures, chair side discussion on case history and treatment planning.
- For the community learning, students are posted at 05 rural satellite centers and schools. They participate in oral health care screening camps. They are trained

to counsel on the ill effects of tobacco.

- Students visit the clinics of leading dental practitioners and state of the art laboratories to enhance their clinical skills.

4.3 Library as a learning resource

4.3.1 Does the library have an Advisory Committee? Specify the composition of the committee. What significant initiatives have been implemented by the committee to render the library student/user friendly?

- Yes, the library has a Library Advisory Committee.

Composition

Sl. No	Name of Committee Member	Designation
1	Dr. Sabita M. Ram Dean	Chairperson
2	Mr. Rajnikant C. Nalawade Librarian	Member- Secretary
3	Dr. Srivalli Natrajan, Professor	In-Charge, Library Committee
4	Dr. M.V Sumanthini, Professor	Member
5	Dr. Vineet Kini, Professor	Member
6	Dr. R.P. Dixit Chief Librarian MGMIHS	Member
7	Student Representative	Member

- The library advisory committee meets periodically to discuss effective and smooth governance of the library functioning. The significant initiatives have been implemented by the committee to render the library students user friendly. Senior staff visit the library with the students on a library day exposing them to the library environment and assist them in recommending what books to be referred for various subjects, creating interest by making them refer to the new arrivals.
- The librarian and staff also help the students to search references in both online and hard copy and e-journals.
- Periodic and timely purchase of books and journals.
- Open access facility to all library resources.
- E-library facility.
- Anglo American Cataloging Rule II (AACR II) system is available.
- Libsys Software is used in the library.
- Accessibility to photocopy and printing.
- Installation of CCTV camera.
- Separate baggage counter for students.
- Free book distribution facility is available for under privilege students.
- Extended after college working hours.

4.3.2 Provide details of the following-

* Total area of library (in Sq. ft) : 11600sq.ft.

* **Total seating capacity** : 220

* **Working hours:** On working days: 8.30 am to 7 pm

- On holidays: 8.30 am to 4.30 pm

* **Layout of the library (Individual reading carrels, Lounge area for browsing and Relaxed reading, IT zone for accessing e-resources)**

- Individual reading carrels: Total number-180 (UG-140, PG-40)
- Lounge area for browsing and relaxed reading:
- Yes, reference section provides both browsing and relaxed reading.
- IT zone for accessing e-resources :
- An E-Library is equipped with 10 work stations along with internet connectivity.
- All departments have separate computers with internet connectivity.

* **Clear and prominent display of floor plan; Adequate sign boards; Fire alarm; access to differently-abled users and mode of access to collection.**

- Clear and prominent display of floor plan in the central library.
- Adequate sign boards available for easy direction.
- The fire alarm and fire extinguisher facility is available in the central library.
- The library is spacious where wheel chairs can be easily used for differently abled users.
- Open access system is implemented for issuing the book for all users.

* **List of library staff with their Qualifications:**

Name of the Staff	Designation	Qualifications
Mr. Rajnikant C.Nalawade	Librarian	BSc, MLISc
Mr. Vaibhav Gaikwad	Assistant Librarian	B.A, MLISc
Mrs. Sheetal Mane	Library Assistant	B.A, MLISc
Ms. Sheela Ghadge	Library Assistant	B.A, MLISc

4.3.3 Give details of the library holdings :

* **Print**

- **Books** : Total Nos. of titles - 955
Total Nos. of copies - 5218
- **Back volumes** : Total Nos. of back volumes - 903
National - 176, International - 727
Total Nos. of Titles - 93
National -34, International - 59

- **Thesis/Dissertation** : 33
- **Journals** : Total Nos: 71
- **National -20, International - 51**

* **Average number of books added during the Last three years :**

SR.NO	YEAR (ACC. NO.)	NO. OF BOOKS
1	2012-2013 (4918-5077)	160
2	2013-2014 (5078-5160)	83
3	2014-2015 (5161-5218)	58

- * **Non print (Microfiche, AV) CDs** : 336 CD
- * **Electronic (e-books, e-journals)** : EBS CO E-Journal -353
MUHS E-Journal -77
Subscribed E-Journals: 62
National -18, International -44
- * **Special Collection** : Reference books- 1137
Dissertation- 33
Library dissertations: 47

* **Book Bank:** Books are issued to economically weaker students from the library holdings.

* **Question Bank** : Subject wise question bank available with Long answer questions, Short Answer Question and Multiple choice questions are available in soft and hard copy. Last 05 years University Question papers are also available.

4.3.4 To What extent is ICT deployed in the library? Give details with regard to

- * **Library Automation** : Yes, Libsys Software with bar coded technology implemented.
- * **Total Number of computers for general access** : 15
- * **Total Number of Printers for general access:** 03
- * **Internet Band width speed** : 1GB mbps
- * **Institutional Repository** : Includes copies of all dissertations, Library dissertation
Content Management System for e-learning: seminars (UG and PG) and PowerPoint presentations of lectures
- * **Participation in resource sharing networks / consortia (like INFLIBNET)** : Implemented with MGMIHS

4.3.5 Give details of specialized services provided by the library with regard to

- * **Manuscript:** Compilation of Dissertation as manuscripts.
- * **Reference:** Users are helped by reception to get references
- * **Reprography / Scanning** : Yes, available

- * **Inter-library Loan Services** :Yes, Available
- * **Information Deployment and Notification** :Yes, available
- * **OPAC** :Yes, available
- * **Internet Access** :Yes, available
- * **Downloads** :Yes, available
- * **Printouts** :Yes, available
- * **Reading list / Bibliography compilation** :Yes, available
- * **In-house / remote access to e-resources** – In-house access services are provided through computers deployed in central library.
- * **User Orientation** :Yes, induction programme organized for orientation
- * **Assistance in searching Database** :Yes, provided by well trained staff of the Library.
- * **INFLIBNET/HELINET**: Subscription for EBSCO online database available.

4.3.6 Provide details of the annual library budget and the amounts spent for Purchasing new books and journals

Year	Annual Budget (in lacs)	Expenditure (in lacs)			
		Books	journals	Any other	Total
2011-12	65.40	3.62	23.02	0.79	27.43
2012-13	66.0	4.34	26.90	17.28	51.22
2013-14	47.0	2.41	33.14	5.60	43.82
2014-15	50.0	2.46	36.38	0.00	42.31

4.3.7 What are the strategies used by the library to collect feedback from its users? How is the feedback analyzed and used for the improvement of the library service.

- A suggestion box is maintained in the Central Library.
- A visitor's Book to record the valuable comments and suggestions from MUHS and DCI inspectors as well as other visitors.
- Feedback forms from students and staff
- Analysis of suggestion, comments and feedback forms is regularly done and corrective measures are undertaken by the Library advisory committee for improvement of library services.
- The suggestions of library advisory committee is discussed with IQAC for review and improvements.

4.3.8 List the efforts made towards the infrastructural development of the library in the last four years.

- E-Library services commenced
- Flexi racks for open access of books
- Licensed antivirus in all computers
- Wi-Fi facility

- Library automation
- CCTV camera installation
- Baggage counter
- Display of guided map
- Periodic increase in number of books and titles
- EBSCO database Subscription
- Scanning, printing and photocopy facilities.

4.4 IT Infrastructure:

4.4.1 Does the institution have a comprehensive IT policy with regard to:

***IT Service Management:**

- There is an In-house IT department in the institution that provides services to the college when required.

***Information Security:**

- The campus has Wi-Fi which is password protected for prevention of unauthorized access, misuse and modification of information system.
- There is also antivirus facility available for the same.
- Password protected separate servers.

*** Network Security:**

- Antivirus software (Quick Heal Total Security), firewall and authentication schemes are employed to protect the computer from unauthorized access.

*** Risk Management:**

- If Back up and retrieval of any lost data is required, support is duly provided by the IT department.

*** Software Asset Management:**

- Tally software is available for managing the assets and inventory of the college.

*** Open Source Resources:**

- Access is available for open source resources.

*** Green Computing:**

- Most of the Cathode ray tube monitors has been replaced with LCD and monitors.
- Automatically turn off the computer monitor display after 10 minutes of idle-usage
- CPU and all peripherals are shutdown during periods of inactivity.
- Refilling of printer cartridges
- Exchange of old battery with new battery.
- There is a system in place for E-waste. The e-waste is disposed with the help of the IT Department.
- Awareness is created regarding safe use and green computing by organizing lectures and workshops by the experts.

4.4.2 How does the institution maintain and update the following services?

*** Hospital Management Information System (HMIS):**

- Yes, it is available for maintaining OPD records and it is in the implementation stage for other areas like IPD, Stores, Administration.

*** Electronic Medical Records System (EMR):**

- Available in medical college.
- The medical records section maintains the medical records. There is facility for storage of the hospital records.
- The medical record is in the process of scanning and making it electronic.
- The ICD Coding system is being implemented.

*** Digital diagnostic and imaging systems including PACS**

The institution has digital diagnostic and imaging aids like

- RVG
- OPG
- Image Analyzer.
- Medical hospital has CT and MRI imaging.
- Medical hospital has PACS.

4.4.3 Give details of the institution's computing facilities i.e., hardware and software.

*** Number of systems with individual configurations: 100**

- Individual Configurations (Range) 2.80 – 3.40 GHz
- Intel Core Processor with 1-3 GB RAM

*** Computer-student ratio: 1:5**

*** Dedicated computing facilities:**

- Yes, dedicated computing facilities are available which include:
- Computers dedicated for library use
- Billing
- OPD records
- Administration
- Academic Section
- Record Section and all other departments.

*** LAN facility:**

- LAN is available in the entire campus and 1 GBPS internet connectivity is also available from NKN.

*** Wi-Fi facility**

- Yes available and password protected.

*** Proprietary software:** Yes, available like

- Microsoft.
- Libsys-library.
- HMS-OPD and billing.
- Tally-accounts.
- Biometric attendance.

* **Number of nodes/ computers with internet facility:** 100

4.4.4 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

- Some of the plans and strategies for deploying and upgrading IT infrastructure and associated facilities are indicated below:
 - Replacing all the Cathode Ray Tube monitors with LCD monitors.
 - Enhancing the capacity of the Server
 - Periodic up gradation of hardware and purchasing of new software
 - Encouraging e-governance techniques
 - Increasing internet speed
 - Moving towards paperless work and documentation
 - Decreasing computer: student ratio.
 - Complete the implementation of HMIS and EMR.

4.4.5 Give details on access to on-line teaching and learning resources and other knowledge and information database/packages provided to the staff and students for quality teaching-learning and research.

- All departments are provided with computers having internet facility.
- Subscription of EBSCO.
- Access to Online journals.
- Lecture series and Question bank available online.
- MUHS E-Library.

4.4.6 What are the new technologies deployed by the institution in enhancing student learning and evaluation during the last four years and how do they meet new / future challenges ?

The newer technologies deployed by the institution include:

- AV aids.
- EBSCO subscription.
- Online access to lectures, journals,
- Question bank and model answers.
- Implementation of OSCE.
- E-library.
- Transparent Internal Assessment.

- 4.4.7 What are the IT facilities available to individual teachers for effective teaching and quality research?**
- IT facilities for individual teachers includes
 - Individual computers in the department with internet facilities..
 - AV aids in the individual departments and in the lecture halls.
 - Access to online journals, books, EBSCO.
 - Scanning and printing facilities.
- 4.4.8 Give details of ICT-enabled classrooms/learning spaces available within the institution. How are they utilized for enhancing the quality of teaching and learning?**
- Four ICT enabled classrooms are available in the institution.
 - Individual seminar rooms in each department
 - ICT enabled e-library.
 - The lectures and teaching session are planned in such way that the ICT facilities are used affectively for enhancing quality of teaching.
 - The UG and PG students are also encouraged to use ICT facilities for their seminars and project presentations
- 4.4.9 How are the faculty assisted in preparing computer-aided teaching-learning materials? What are the facilities available in the institution for such initiatives?**
- The DET Cell of the college organizes various workshops and lectures in Dental Education and Technology.
 - The faculty is well trained in preparing computer-aided teaching-learning materials.
 - Timely assistance and help is provided by the In- house IT team.
 - Lectures are taken to support the DIGITAL INDIA initiative.
 - As mentioned above in 4.4.7 and 4.4.8 the ICT facilities are made available in the departments and all class rooms.
- 4.4.10 Does the institution have annual maintenance contract for the computers and its accessories?**
- Yes, the institution have annual maintenance contract for the computers and its accessories (Details of AMC and CMC available)
 - In addition to AMC and CMC the institution has its own in house IT Department which looks after day to day maintenance of all the hardware and software's available in the institution.
 - In house staff is available for hardware and software related services
- 4.4.11 Does the institution avail of the National Knowledge Network (NKN) connectivity ? If so, what are the services availed of?**
- Yes. We have NKN facility.
 - It provides high speed internet facility, E-Resources for teaching and learning.
- 4.4.12 Does the institution avail of web resources such as Wikipedia, dictionary and other education enhancing resources? What are its policies in this regard?**

- Yes, web resources are available in the institution and are upgraded from time to time. Faculty and students are made aware of the same.

4.4.13 Provide details on the provision made in the annual budget for the update, deployment and maintenance of computers in the institution.

- The Institution makes provision in its budget for upgrading the hardware and software which is an ongoing continuous process, funds are allocated for the same

Year	Budget in INR
2012	35,00,000
2013	39,00,000
2014	42,00,000
2015	48,00,000

4.4.14 What plans have been envisioned for the transfer of teaching and learning from closed institution information network to open environment?

The institution has envisioned several plans like putting up Lecture series, Model answer papers, Information of all CDE programmes and Online Question bank on the website.

4.5 Maintenance of Campus Facilities

4.5.1 Does the institution have an estate office / designated officer for overseeing the maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.

- Yes, the campus has a separate maintenance department which is in-charge of maintenance of the dental college building.
- The department is having different sub departments like civil, electrical, IT, Biomedical etc.
- All the departments are having qualified technical staff working is under the supervision of the maintenance officer who ultimately reports to dean.
- Various initiatives are undertaken to improve the physical ambience of the campus like:
- Feedbacks and observations made in the regular rounds by the authorities are reported to the maintenance department which has to be taken care within stipulated time frame.
- Any addition or new structure is added or built as per the decisions made in the IQAC based on the requirement received from concerned Head of Department and In charges.

For example a few steps taken recently: Planting of trees, up gradation of playground, painting of the building, systematic parking lots, polishing of the floors, maintaining the green lawns, renovation of administrative block and periodontology department.

4.5.2 How are the infrastructure facilities, services and equipments maintained? Give details.

- As mentioned 4.5.1 above a separate maintenance department takes care of the

infrastructure facilities services and equipment maintenance.

- There are several committees that ensure the maintenance and upgradation of the infrastructure of the college.
- These include:
 - Purchase committee.
 - Infrastructure maintenance committee.
 - Library Advisory Committee

4.5.3 Has the institution insured its equipments and buildings?

Yes, the institution has insured equipments and buildings with the Oriental Insurance Company Limited.

Any other information regarding Infrastructure and Learning Resources which the institution would like to include.

- The Institution is located at a very prime location in Navi Mumbai, on Mumbai – Pune Express way.
- The Institution as per its vision and mission has state of art building and infrastructure which is well ventilated and with natural light resource.
- The Institution promotes energy conserving methods in its infrastructure, instrument and equipment.
- As mentioned earlier the departments of Institution are very well equipped.
- The Institution has state of art sports facility which includes indoor and outdoor sports and a well equipped gymnasium.

CRITERION V
STUDENT SUPPORT AND PROGRESSION





CRITERION V :
STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

**5.1.1 Does the institution have a system for student support and mentoring?
If yes, what are its structural and functional features?**

Yes, a well planned student support and mentoring program exists.

● Student Support Program :

- Following committees are formed under student support program: Students Welfare, Grievance, Anti Ragging Committee and Students council.
- Student's welfare committee looks into the welfare of the student's.
- Grievance committee looks into the complaints of the students, after detail enquiry, it submits its report to the authority for appropriate action.
- Anti ragging committee which is actively involved for taking steps for prevention of ragging puts up posters and helps in updating the online form. No case of ragging has been reported.
- Anti sexual harassment Committee looks into the complaints received from female students and takes appropriate action. No case has been reported.
- Students Council is involved in students activities like academic, social, cultural and community based services.
- The students are nominated on various committees of the institution to inculcate leadership and enable participation in college activities.

Mentoring System:

- This institution has a mentoring system in place for all students where the staff mentors a group of students and monitors academic performance, attendance and personal issues.
- Mentors keep complete record of mentees and put it for information and action to Dean and IQAC.
- The institution has also introduced the buddy mentoring by interns to the 1st, 2nd, 3rd and 4th year students.

5.1.2 Apart from classroom interaction, what are the provisions available for academic mentoring?

- On a regular basis counselling is done by the mentors to the respective group.
- A faculty who is in charge of the class interacts with the student at least once in a month for monitoring their academic progress.
- The Dean also meets the students and mentors once in a month and takes a personal review.
- A psychologist is in the campus, who does counselling for the needed students.
- Remedial classes are held for slow learners and those who have less attendance.
- The advanced learners are identified and given special projects and seminars to develop them further.

5.1.3 Does the institution have any personal enhancement and development schemes such as career counselling, soft skills development, career-path-identification, and orientation to well-being for its students? Give details of such schemes.

- Yes, the institution organizes programme for the development of soft skills.
- Orientation programme is conducted for the fresher's.
- Clinical orientation is held on the 1st day of the clinical posting of IIIrd year White Coat ceremony where communication skills, sterilization and ethics is emphasized.
- The Dale Carnegie program for the interns is held to train them in soft skills communication and patient management.
- During internship career guidance and counselling program are regularly held.
- Campus selection by corporate dental agencies is also being done.

5.1.4 Does the institution have facilities for psycho-social counselling for students?

- Yes, due to continuous monitoring, the students are counselled at each level by the mentors, class staff in-charge and the Dean.
- A special clinical psychologist is available for counselling.

5.1.5 Does the institution provide assistance to students for obtaining educational loans from banks and other financial institutions?

- Yes, the institution gives full assistance for the documents required for acquiring the loan.
- The institution also has an information counter to help the student for availing the loan from different banks and financial institution.

5.1.6 Does the institution publish its updated prospectus and handbook annually? If yes, what are the main issues / activities / information included / provided to students through these documents? Is there a provision for online access?

- Yes, the institution has its prospectus with complete information regarding the process of admission, staff, scientific and academic, research activities also the extra-curricular activities.
- This is also uploaded on the web site.

5.1.7 Specify the type and number of institution scholarships / free ships given to the students during the last four years. Was financial aid given to them on time? Give details. (In a tabular form)

• UG students achieving Sir. Dorabji TATA Trust scholarship

Sr.No	Name of the Student	Year
1.	Balasubramaniam Shankar, Visalakshi Shivaraman, Hemangi Himanshu Ruparel	2013-14
2.	Visalakshi Shivaraman, Pratima Ashok Kolekar, Harshini Ajaykumar Patel, Mili Hemant Mehta, Sheetal Mohan Jadhav, Priyanka Laxman Patil, Pooja Anant Naik, Mrinmayee Tushar Thakur, Harnekar Shirin Husain, Halu Rajesh Shah, Balasubramaniam Shankar	2014-15

• IDA Colgate Scholarship

1	Visalakshi Shivaraman	2012
2	Visalakshi Shivaraman	2014

• PG students achieving Sir. Dorabji TATA Trust scholarship

Dept. of Prosthodontics and Crown and Bridge

Academic year	Name of the student	Year
1	Dr.Aditi Sabnis	2012-13
2	Dr.Aditi Sabnis	2013-14
3	Dr.Aditi Sabnis, Dr.Aditi Jain	2014-15

Dept. of Conservative Dentistry and Endodontics

Academic year	Name of the student	Year
1	Dr.Abbas Unnwala	2013-14
2	Dr.Aanchal Agrawal, Dr.Rashmi Boli,	2014-15

Dept. of Periodontics

Academic year	Name of the student	Year
1	Dr.Vishal Madaan	2014-15

Dept. of Oral and Maxillofacial Surgery

Academic year	Name of the student	Year
1	Dr.Gauri Kokane	2013-14
2	Dr.Dinesh Shah	2014-15

Dept. of Oral Pathology and Microbiology

Academic year	Name of the student	Year
1	Dr.Janaki Iyer	2012-13
2	Dr.Janaki Iyer, Dr.Rashmi Hosalkar, Dr.Nikitha Narayanan	2013-14
3	Dr.Janaki Iyer, Dr.Nikitha Narayanan, Dr. Rajshri Gurav	2014-15

5.1.8 What percentage of students receives financial assistance from state government, central government and other national agencies?

- The students avail scholarships from TATA and other agencies. 25% Free-ship is offered to the required category students from DMER, MUHS and State Government.
- **2011-12** Sir Dorabji Tata Trust DMER 9%
- **2012-13** Sir Dorabji Tata Trust 7%
- **2013-14** Sir Dorabji Tata Trust 2%
- **2014-15** Sir Dorabji Tata Trust 2%

5.1.9 Does the institution have an International Student Cell to attract foreign students and cater to their needs?

- Yes

5.1.10 What types of support services are available for Overseas students

- Effort is put to ensure overseas students feel comfortable on-campus, with single-

seated residential accommodation provided wherever possible and individual sanitation preferences are given.

- Language issues are addressed through the conduct of lectures in the local language and publication of material for use in communication with patients in the clinics.
- Legal issues, as part of law enforcement policy, are addressed when an overseas student enrolls through the legal cell of the institution.
- Furthermore, a single-window admission service is provided to overseas students. On admission, appropriate induction and sensitizing to local socio-cultural practices is undertaken.
- The Dean and other senior faculty ensure that overseas students are given every possible support in day-to-day matters to facilitate a comfortable stay.

*** Physically challenged / differently-abled students**

- The Institution is accessible to all students, with ramp/elevator access to various departments and teaching-learning areas.
- In the residential hostels on-campus, students with physical impediments are given priority access to rooms on the ground floor.

*** SC/ST, OBC and economically weaker sections**

- The admissions in the institution are done based on the reservation policy of the state government by competent authority.
- Financial aid is provided to needy students by the state government, different agencies and college management, depending on their economic background.
- Special classes for English and local language is conducted.
- The college continues to play the role of a facilitator in disbursing government grants for SC/ST and OBC students admitted to BDS and MDS courses.

*** Students participating in various competitions/conferences in India and abroad**

- As part of the curriculum/departmental requirement, every postgraduate student is mandated to participate in a minimum number of conferences/conventions.
- Moreover, undergraduate students are also encouraged to participate in conferences and make presentations and in the preceding five years more than 50 students have participated.
- Furthermore, the college supports students' participation in inter-collegiate sport and cultural competitions in terms of transport, lodging, food, sports kit/gear, and costume. This has totaled nearly Rupees Five Lakh in the preceding year.

*** Health centre, health insurance etc.**

- On admission, students have to submit medical fitness certificate.
- The institution ensures vaccinations for Hepatitis B.
- Screening and health check-up for students are ensured.
- Free medical treatment facility is made available with the help of its sister concern medical college hospital.

*** Skill development (spoken English, computer literacy, etc.)**

- English language classes have been organized when necessary for those coming from vernacular medium and less exposure to the English language and need help to improve their comprehension and communication skills.
- The college building is Wi-Fi enabled, encouraging students to access resources on the World Wide Web.
- The institution employs the services of a computer technician who provides assistance and support to all members of the college, including students in hardware and software related queries.

*** Performance enhancement for slow learners.**

- Performance enhancement for slow learners is described in detail in 2.2.3 and 2.2.4.
- Exposure of students to other institutions of higher learning/corporates/business houses, etc.

*** Publication of student magazines, newsletters.**

- Yes, the college publishes an annual magazine - AMALGAM whose editorial board composition includes students.
- The students collect relevant material and information for publication and also contribute articles, short stories, poems, and summary of events.
- The students also publish a “year book”.
- Another major publication to which students contribute is the “Journal of Contemporary Dentistry”

5.1.11 Does the institution provide guidance and/or conduct coaching classes for students appearing for competitive examinations (such as USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS)?

If yes, what is the outcome?

- Yes, the institution provides guidance to the students by arranging career guidance lectures and talks.
- Books for PG entrance, USMLE, PLAB are available in the library.
- Journals and internet facilities in the library are available for reference and research.
- The above available facilities have enabled many students to get admission for post graduate courses and many students have acquired admissions in foreign universities.

5.1.12 Mention the policies of the institution for enhancing student participation in sports and extracurricular activities through strategies / schemes such as additional academic support and academic flexibility in examinations special dietary requirements, sports uniform and materials any other (specify)?

- The students are encouraged to participate in sports.
- All indoor and outdoor sports facilities are present in the institution.

- The institution has sports equipments provided to them free of cost.
- Students have represented the country at the International level in Karate. Special leave was sanctioned.
- Students participate in the dance and drama inter college competition and are given facilities to attend it.
- If the student is selected for national and international sport activities, the institution bears total expenses.

5.1.13 Does the institution have an institutionalized mechanism for student placement? What are the services provided to help students identify job opportunities prepare themselves for interviews, and develop entrepreneurship skills?

- Yes, the institution has a Placement Cell which looks into the placement of the students in corporate practice.
- My Dentist group of practice has been visiting the institution for the last 3 years. Recently they have selected 10 students from the last batch of interns.

5.1.14 How does the institution provide an enriched academic ambience for advanced learners?

- The advanced learners are identified to made to participate in seminars, case discussion, research and paper and poster presentation at the conferences.
- The institution has good resources of expert faculty and a well stocked library with journals for their reference work and projects.

5.1.15 What percentage of student drop out annually? Has any study being conducted to ascertain the reason and take remedial measures?

- Nil

5.1.16 Give the number of students selected during campus interviews by different employees (list the employers and the number of companies who visited the campus during the last four years)

- The organization My Dentist has selected 10 students from the institution at the campus interview during last year.

5.1.17 Does the institution have a registered alumni association? If yes, what are its activities and contributions to the development of the institution?

- Yes, the institution has registered alumni association
- They all meet annually to interact with staff and students.
- The alumni are invited to deliver lecture to the students on their expertise and share their work experience and also guide them in their career development.
- Feedback from alumni is taken on the curriculam to enhance the teaching and learning. This is done by the alumni committee, the details are forwarded to the college council and later to the IQAC which suggest corrective measures.
- The alumni association have donated a few books and help the institution by giving their expertise whenever needed.

5.1.18 List of few prominent alumni of the institution

Dr. Deesha Manjithia – MAS-Manager Global Health and Human Services systems in British Columbia

Dr. Prashant Poplai – Working with “Spreading Smiles” in North California

Dr. Amol Sanap – Dental Surgeon at BMC satellite center at Jogeshwari.

Dr. Ankit Savla – Founder and MD at Global Surrogacy India

Dr. Nishita Karkera – Cluster-head MyDentist

Dr. Trupti Sarode – Research assistant university of Minnesota

Dr. Kundan Dekate – Lecturer Dept. of conservative dentistry GDC Aurangabad

Dr. Kishor Chindam – Manager Kodak Carestream Dental India

5.1.19 In what ways does the institution respond to alumni requirements?

- The institution holds alumni meets, CDE programme to enhance their knowledge.
- Also arranges the programs to develop the communication skill which is important in practice management.
- Placement Cell for inducting dentist for practitioner.

5.1.20 Does the institution have a students grievance redressal cell? Give details of the nature of grievances reported. How were they redressed?

- Yes, the grievance committees take up the grievance and solve the problems and put it up to the college council and the IQAC if needed.

5.1.21 Does the institution promote a gender sensitive environment by (i) conducting gender related programs (ii) establishing a cell and mechanism to deal with issues related to sexual harassment? Give details

- Anti sexual harassment of women at work place committee is in place that looks into any problem related to women's grievances.
- Self defense capabilities are taught and special training session is organized for women.
- Women's day is celebrated with motivating lectures and on issues of women.
- The university has made it mandatory to have a lady staff member from another department to be present during practical exam.
- No incident of sexual harassment has been reported till date.

5.1.22 Is there an anti-ragging committee? How many instances, if any, have been reported during the last four years and what action has been taken in this cases

- Yes, there is an anti ragging committee.
- The information regarding anti ragging committee members and their contact details are displayed in the institution and on the website.
- Regular rounds are taken by the anti ragging committee and faculty in the college and hostel campus. Anti ragging posters are displayed in prominent places.
- On line forms are filled by the students.

- No case of ragging has been reported till date.

5.1.23 How does the institution elicit the cooperation of all its stakeholders to ensure the overall development of its students?

- Meeting with stakeholders help to obtain the feedback from parents, teachers, alumni, employees and patients which enables the institution to know the outcome of the teaching, learning, curriculum, etc. This is utilized to make the necessary improvements.

5.1.24 How does the institution ensure the participation of women students in intra-and inter-institutional sports competitions and cultural activities? Provide details of sports and cultural activities where such efforts were made?

- The college encourages the female students morally and supports financially to participate in intra and inter - institutional sports competitions and cultural activities.
- All the scientific and extracurricular activities are held during day time to ensure more attendance from female students.
- College Security is employed during all the cultural activities to encourage participation.
- Transportation is provided from college for easy commuting.

5.1.25 Does the institution enhance the students learning experience by providing for rotation from the teaching hospital to the community and district during the internship period

- Yes, the Under Graduate and post graduate student are involved in community service when they are posted in rotation at the rural dental health centers and are sent to various places for dental treatment and survey camps.
- The students are also posted at the pedodontics dental clinic at MGM school for the maintenance of the oral health status of the students.
- They also have lectures on oral hygiene and the ill effects of tobacco.

5.1.26 Does the institution have immunization policy for its student and staff?

- Yes, the institution has immunization policy for its student and staff.

5.1.27 Does the institution give thrust on students growth in terms of:

*** Physical Development**

- The institution has a well equipped gymnasium, indoor and outdoor facilities for various sports activities.
- Yoga classes are also held in the campus for health and peace.

*** Emotional Control**

- Psychologist counselling helps to control emotions.
- Yoga also helps to attain peace and health.

*** Solid Dimension**

- The students are encouraged to participate in extracurricular activities and sports.
- A photography club - PIXEL is set to encourage students who want to develop their photographic skills in the institution.

* Spiritual

- Peace day celebration to value and respect each other religion. Holy scriptures are read to show that each religion spreads the message of love, compassion and peace.
- Yoga, Pranic Healing and meditation is encouraged. A three day program on Heartfulness was conducted for the staff and students.

5.2 Student Progression

5.2.1 What is the student strength of the institution for the current academic year? Analyze program wise data and provide the trends (UG to PG, PG to further studies) for the last four years.

Student Enrollment 2011	UG			PG MDS			PG Diploma		
	M	F	T	M	F	T	M	F	T
Number of students from the same state where the institution is located	21	78	99	8	3	11	1	0	1
Number of students from the other states	0	1	1	1	1	2	0	0	0
Number of NRI students	0	0	0	0	0	0	0	0	0
Number of overseas students	0	0	0	0	0	0	0	0	0

Student Enrollment 2012	UG			PG MDS			PG Diploma		
	M	F	T	M	F	T	M	F	T
Number of students from the same state where the institution is located	24	74	98	9	5	14	0	1	1
Number of students from the other states	1	0	1	1	1	2	0	0	0
Number of NRI students	0	1	1	0	0	0	0	0	0
Number of overseas students	0	0	0	0	0	0	0	0	0

Student Enrollment 2013	UG			PG MDS			PG Diploma		
	M	F	T	M	F	T	M	F	T
Number of students from the same state where the institution is located	13	79	92	8	5	13	1	1	2
Number of students from the other states	0	4	4	1	2	3	0	0	0
Number of NRI students	0	3	3	0	0	0	0	0	0
Number of overseas students	0	0	0	0	0	0	0	0	0

Student Enrollment 2014	UG			PG MDS			PG Diploma		
	M	F	T	M	F	T	M	F	T
Number of students from the same state where the institution is located	15	82	97	3	13	16	1	1	2
Number of students from the other states	0	2	2	1	1	2	0	0	0
Number of NRI students	0	1	1	0	0	0	0	0	0
Number of overseas students	0	0	0	0	0	0	0	0	0

Analysis of the data in terms of trends.

5.2.2 What is the number and percentage of students who appeared/qualified in the examination for central / State Services, Defense, Civil Service, etc.? - None

5.2.3 Provide category wise details regarding the number of post graduate dissertations Ph.D. and D.Sc. these submitted/ accepted/rejected in the last four years

Year	Department	No.of dissertations accepted
2012	Oral and Maxillofacial surgery	2
2013	Oral and Maxillofacial surgery	2
	Conservative Dentistry and Endodontics	2
2014	Oral and Maxillofacial surgery	2
	Conservative Dentistry and Endodontics	2
	Prosthodontics	3
	Orthodontics	3
	Oral Pathology	3
2015	Oral and Maxillofacial surgery	2
	Conservative Dentistry and Endodontics	2
	Prosthodontics	3
	Orthodontics	3
	Oral Pathology	3
	Periodontics	3

- All dissertations for the MDS has been accepted by the university

5.2.4 What is the percentage of graduates under AYUSH programs employed in the following

- Not applicable

5.3 Students participation and activities

5.3.1 List the range of sports, cultural and extracurricular activities available to students. Furnish the program calendar and provide details of students participation.

- The institution provides state of the art sports facilities.
- There are indoor and outdoor sports facilities available for student and staff.
- Outdoor sports : Cricket, Volleyball, Tennis, Kho-kho, Kabaddi etc.
- Indoor sports : Badminton, Chess, Carrom, Table Tennis etc.
- Well equipped gymnasium in the campus.
- Inter collegiate sports competitions are organized during annual gathering.

5.3.2 Give the details of achievements of students in co-curricular, extracurricular and cultural activities at different levels: University/Stage/Zonal/National/

International, etc. during last four years

Mr. Siddharth Desai

October 2011

- Gold medal in Akshay Kumar National Karate Championship, held at Andheri Sports Complex

August 2012

- Became the youngest Indian in Karatenomichi World Federation India to pass 2nd degree Black Belt Examinations at KWF Headquarter, Tokyo, Japan.

December 2014

- Gold Medal in KWF NATIONAL Initational Karate Championship in Mens Open category.
- Got selected to represent India in the 7th KWF World Cup and Karate Conference, to be held at Hokkaido, Japan from the 25th to 27th September 2015, wherein 56 countries would be participating.

Mr. Vishal Punjabi

- Won the national quiz competition 2012-13.
- Awarded the Pierra Fauchard best senior students award for the year 2014

5.3.3 Does the institution provide incentive for students to participate in national/regional levels in sports and cultural events?

- Yes, the institution provides all the facility and sponsors the TA, DA sports kit etc. to the students who are participating in national and international level competition.
- Certificate of appreciation is awarded to student who win in sports competition and cultural events.

5.3.4 How does the institution involved and encourages its students to publish materials like catalogues, wall magazines, institution magazines and other material? List the major publications/materials brought out by the students during the last four academic sessions?

- The college magazine has been published by the students for the last five years with a theme each year.
- Themes of the magazines: Rural India and dentistry, Go Green, Past Forward Dentistry
- Students publish their articles in the scientific journal institution.

5.3.5 Does the institution have a student council or any other similar body? Give details on its constitution, activities and funding

- Yes, institution has student council and other committees like cultural, scientific, sports, annual day and alumni committee. It is funded by the college and through sponsorships.
- The constitution of the student council is as follows:
 - ▶ General Secretary
 - ▶ Assistant General Secretary
 - ▶ Cultural Secretary
 - ▶ Sports Secretary

- ▶ Lady Representative
- ▶ Class Representative

The students council organises and arranges the student scientific activities, college week, college day and sports day programs and other co-curricular activities.

5.3.6 Give details of various academic and administrative bodies that have student representatives in them. Also provide details of their activities

Committees where the students are representatives

- ▶ Student council
 - ▶ Student welfare cell
 - ▶ Anti ragging committee
 - ▶ Research cell
 - ▶ College council
 - ▶ Committee for grievances of females.
- All these committees are involved in the student related issues.
 - The student council is also involved in various social, cultural, sports and extension activities like, organizing camps, conferences and workshops, annual gathering and various cultural events.

Any other information regarding Student Support and Progression which the institution would like to include.

The institutions initiatives for student support and progression are reflected in the following:

- Student profile indicating inclusive practice, gender and social sensitization.
- Thrust to progression to higher education, counselling, placement, tutoring and mentorship.
- Orientation programme for fresher's to introduce them to new environment.
- Students support in all spheres-infrastructure, finance and academic.
- Scope for grievance redressal.
- Scope for sports and cultural activities.
- Alumni students are invited for lectures and interaction with the students.
- Counselling on career planning, development and training.
- Good results and progression to higher education.

CRITERION VI

GOVERNANCE, LEADERSHIP AND MANAGEMENT





CRITERION VI

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional vision and leadership

6.1.1 State the vision and mission of the institution

- **Vision**

“Creating dental health professionals embodied with the light of knowledge and spirit of compassion.”

- **Mission**

- Equipping future dentists with comprehensive skill sets and expertise.
- Raising the standards of dental health education by imparting extra mural education under the mentorship of leading academicians.
- Addressing patient concerns empathetically and adopting patient-centric treatment approaches.
- Encouraging research in newer areas of dental science and teaching methodology for the benefit of population at large.
- Enhancing awareness of moral and ethical values among dental health professional with a commitment towards community dental care.
- Laying foundations for future leaders in the field.

6.1.2 Does the mission statement define the institution’s distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, the institution’s tradition and value orientations, its vision forth future, etc.?

- Yes, the institution for its commitment towards the needs of society provides free concessional dental health treatment to the under privileged and lower strata of society. With its outreach programs at the rural satellite centers and dental camps caters to the treatment of patients in villages with special emphasis on dental diseases and precancerous conditions.
- The students are encouraged to participate in community health service which inculcates compassion and service to the poor.

6.1.3 How is the leadership involved in

***Developing E-Governance strategies for the institution?**

The leadership role is involved in developing E-Governance in the institution is by having our own web site "www.mgmdchnavimumbai.edu.in" which gives information on faculty, infrastructure, details of course, curriculum and academic calendar.

- Computerized registration counters for OPD.
- Bio metric attendance of staff and post graduate students.
- Central library has Lib-sys barcode scanner.
- The Institution has subscribed for e-journals through EBSCO, science direct.
- Internet access facility for staff and students is available in all department and library.
- Software for student, staff and parents information. The institution has Wi fi for easy access to information.

*** Ensuring the organization's management system development implementation and continuous improvement?**

- There are various committees under the college council which looks into smooth functioning of the institution
- The monthly Head of Department meetings review all the critical processes while providing vital feedback loops to improve the systems. The decisions taken in the meeting are conveyed to the faculty and changes in the academic calendar are made accordingly.
- Various planning and implementation committees have designated heads with defined roles and functions.

*** Interacting with its stakeholders?**

- The management, the dean and staff are all involved in interacting with various stakeholders such as students, parents, patients and alumni .
- The Dean organizes meetings with parents and students from time to time for feedback on academic progress and issues to improve teaching and learning.
- Feedback system is the most effective way of improving oneself. Feedbacks are obtained regularly from students, alumni and parents on curriculum and teachers at the end of each term. The feedback forms are evaluated and necessary changes are made in teaching method, lecture series and revisions to improve the quality of teaching. Feedbacks are also taken from patients regularly for improvements in the various aspects of treatment rendered to patient.

*** Reinforcing a culture of excellence?**

- The institution has created an ambience of learning, teaching and research by holding continuing education programs, national and international conferences. The students are exposed to workshops on communication skills and Dale Carnegie patient interaction skills for success. Students are also encouraged to actively participate in extra curricular activities and sports.
- Systems continuously monitor the progression of the stake holders and improvement needed to reach the excellence. The students are monitored by peers through a buddy program and staff through a mentorship program.

*** Identifying organizational needs and striving to fulfill them?**

- The Dean in the Head of Department meeting takes feedback from the department for their needs of infrastructure, equipment, materials, instrument, conduct of continuing education programs
- This is forwarded to IQAC for implementation and necessary action.

6.1.4 Were any of the top leadership positions of the institution vacant for more than Year? If so, state the reasons.

- No, none of the top leadership positions of the institution were vacant.

6.1.5 Does the institution ensure that all positions in its various statutory bodies are filled and meetings conducted regularly?

- Yes the institution ensures that all position in its various statutory bodies are filled and meetings conducted regularly.

6.1.6 Does the institution promote a culture of participative management? If yes, indicate the levels of participative management.

- The students and staff actively participate in building the institution. Feedback mechanism helps to improve all the stakeholders with their views to participate in bringing about the change if needed for the betterment of the institution.
- Scientific inter-departmental meetings helps to improve the outcome of treatment rendered to the patient.

6.1.7 Give details of the academic and administrative leadership provided by the university to its affiliated colleges /constituent units and the support and encouragement given to them to become autonomous.

- The institution is affiliated to the MUHS, Nashik and is not an autonomous institution.

6.1.8 Have any provisions been incorporated / introduced in the University Act and Statutes to provide for conferment of degrees by autonomous colleges?

- NA

6.1.9 How does the institution groom leadership at various levels? Give details.

- The faculty are members of different committees and govern them accordingly. All departments work on in-charge system, giving faculty members the opportunity to be part of the decision- making process. The Heads of Department are given freedom to develop and implement new ideas and concepts which bring about leadership qualities in their staff and their overall development.
- Various skill workshops such as up-gradation of clinical skills, computers, soft skills, personality development for its faculty and students.
- All of the faculty members are identified as mentors to the students, to address academic and non-academic issues.
- Students are actively encouraged to participate and organize various scientific programs, sports, cultural and extracurricular activities at various levels. Annual inter collegiate sports and cultural programs are organized by the students, and guided by the faculty members.
- Students are encouraged to take up responsibilities in organizing various college activities like CDE, Workshops, health awareness campaigns, oral health day, No tobacco day, blood donation camps, Swach Bharat campaign, cultural activities like fresher's day and farewell.

6.1.10 Has the institution evolved a knowledge management strategy which encompasses the Following aspects such as access to

*** Information Technology**

- The institution has Wi-Fi and broadband connection internet connectivity and subscription to online journals through EBSCO host, science direct and MUHS data base.
- All the departments are provided with internet facility for easy access and communication. There are IT enabled lecture halls and seminars rooms in all the departments. The various administrative sections of the institution such as

central accounts, registration and students section have been computerized for effective and easy operation.

- Circulars and notices are circulated through E-mail.
- Bulk SMS system is used for contacting students and parents.
- Whats-app groups are formed for different categories.

*** National Knowledge Network (NKN)**

- The institution is the member of Health Science Library and Information Network conceived by the MUHS.
- Data bank for list of books, journals and question papers of last ten years for UG and five years for PG is available in the library.

*** Other Open access resources-**

- Wi-Fi and broadband internet facilities and subscription to online access for various books and journals are available.

6.1.11 How are the following values reflected in the functioning of the institution?

*** Contributing to National development-**

- A mobile dental van is available for outreach programs for upliftment of oral hygiene status in rural inaccessible and remote areas, where the institution offers free treatment.
- Participation in Swachh Bharat campaign and adoption Khandeshwar railway station for maintaining cleanliness.
- The institution participates in the No Tobacco campaign to bring about the awareness.
- Students hold campaigns, flash mobs, skits to show the ill effects of tobacco in the villages and the mall. Signature campaigns are also under taken against the tobacco use and industry.
- School dental health check-up and treatment camps are carried out.

*** Fostering global competencies among students**

- The institution helps in building global competences by holding CDE programmes, conferences and workshop by inviting eminent speakers to deliver lectures and hold hands-on courses on the latest trends in dentistry.
- The students are encouraged to present posters, papers at national and international conferences.
- Students are encouraged to take up short research projects and publish the scientific outcome. Faculty are encouraged to visit other universities, attend conferences to bring back knowledge to enhance the competency of the students.

*** Inculcating a sound value system among students.**

- Sound value system is promoted by holding “Peace day” to respect and value each other’s religion and humanity.
- Lecture on moral ethical values are conducted.
- Celebration of days of national importance such as Independence Day, Republic

Day, to instill pride for nation. Yoga day and Pranic healing for health and peace.

- During the college fest a competition of various states showing their culture and cuisine is organized giving a theme to each department, to showcase the values of rich culture.

*** Promoting use of technology.**

- The institution promotes the use of technology both in teaching, learning, patient treatment and research. It has Wi-Fi and broad band connection for access to scientific knowledge e-journal, e-books, video and presentation. All departments are provided with computer with LAN connection, software for patient management and for interaction with students, parents, faculty for sharing of information and instruction. Bio-metric for attendance, central library has Lib-sys bar code scanner. Visual dental health education to educate the patients and community and computerized registration counter.

*** Quest for excellence**

- An ambience of research, student's centric learning and excellent staff helps of student to present paper and research. Comprehensive patient treatment management to promote a holistic approach to patient health care.

6.1.12 Has the college been indicted / given any adverse reports by National Regulatory bodies? If so, provide details

- None

6.1.13 What are the projected budgetary provisions towards teaching, health care services, research, faculty development, etc.?

- Projected Budgetary Provision towards teaching, health care services, infrastructure, research, extra-curricular activities, Faculty development for the year 2015-16.

Sr. No.	Heads of Expenditure	Budget in INR
1	Teaching	50000000
2	Infrastructure	10000000
3	Health care services	7500000
4	Research	5000000
5	Extra-curricular Activities	2000000
6	Faculty Development	2000000
7	Others	43500000
	Total	120000000

6.2 Strategy Development and Deployment

6.2.1 Does the college have a perspective plan for development? If yes, what aspects of the following are considered in the development of policies and strategies?

*** Vision and mission**

- Yes the vision and mission has been considered clearly in the prospective plan for future development by including a student centric approach having exposure to research and having academic ambience with compassion towards the community.

*** Teaching and learning**

- Newer methods of teaching and learning are being introduced for enhancement of student's knowledge and skills. A planned curriculum with SOP's is made available to the students on induction to the courses.
- Chair side discussion, seminars, CDE program, conferences and different departmental postings to enhance their clinical knowledge.
- Developing strategies to work in rural environment with minimum resources for the treatment to the under privileged.

*** Research and development**

- The introduction of workshop on research methodology and biostatistics has been made mandatory for pursuing research. All projects are scrutinized through the institutional research recognition committee and the Institution Ethics and Review Committee for authenticity for the research.

*** Community engagement / outreach activities**

- The students and faculty are involved in various camps such as those for police personnel, at Ganpati Pandal, Fire station Camps, NMMT Depots, Post office, Rotary Club, RTO, Auto Rikshaw Union and Taloja MIDC.
- Two centers has been set up at Nerul and Kalamboli Navi Mumbai.
- Rural Health Centers at Ajivali, Nere, Kashele, Tara and Shirdhone villages are functional.
- Mobile Dental Van helps to treat patients in remote areas.

*** Human resources planning and development**

- The Institution is planning to start new PG courses, upgrade and appoint staff.

*** Industry interaction**

- Promotion of tie ups with different industries.
- The industries are involved to give feedback.
- They are also involved in various research projects and teaching and learning sessions.
- Industry visit for student and interns are arranged.

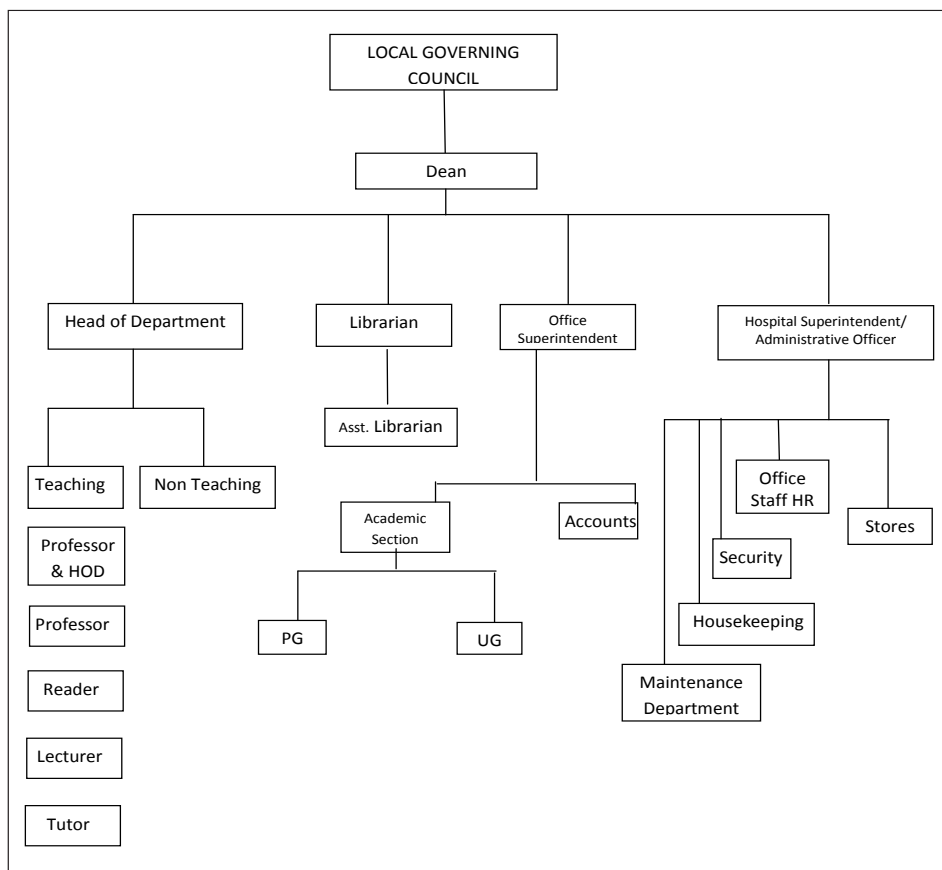
*** Internalization**

- Internalization is part of regular activity which is practiced.
- IQAC reviews the progress of institution and set the standards by reviewing the

national and international institutions of excellence.

- It also sets the line of action to achieve vision and mission of the institution.

6.2.2 Describe the college's internal organizational structure (preferably through an organogram) and decision making processes and their effectiveness.



- As reflected in the organogram the process of decision making is strictly followed.
- All the departments are headed by Head of Dept. who in turn is reported to by his / her subordinates.
- All the head of department report to the dean who is the head of institution and IQAC.
- The decision making process is based on feedback from all the stakeholders and based on facts and figures reviewed from time to time.
- The final decisions are taken by the local governing council.

*** Is there a system for auditing health care quality and patient safety? If yes, describe**

- Yes, internal audits for health care quality and patients care is carried out to ensure the patients safety and satisfaction.
- Ethical practice is monitored by the Head of Department and patients feedback is taken for the treatment planned and executed for each patient.
- Bio safety and environment committee monitor the system of segregation and disposal of bio waste.
- Fire fighting exercise is regularly carried out.

- Every Department takes feedback forms to monitor the quality of services they provide.

*** How often are these review meetings held with the administrative staff?**

- Head of Department holds the review meetings with the academic and administrative staff every month. Problems related to teaching, learning and patient care are discussed and remedial measures are carried out.

6.2.3 Does the college conduct regular meetings of its various Authorities and Statutory bodies? Provide details.

- Yes, regular meetings are carried out with the various committees to ensure efficient implementation of inputs by the other committee and referred to the IQAC for final implementation.
- Detail schedule of meetings held by various bodies along with minutes of meeting and action taken report is available in the office.

6.2.4 Does the college have a formal policy to ensure quality? How is it designed, driven, deployed and reviewed?

- Yes, the college has a formal policy to ensure quality of academic, administrative research, purchase and treatment procedures carried out. Regular meetings are held at the department level, college council and discussed in the IQAC to ensure efficient implementation of inputs by the other committee.

6.2.5 Does the college encourage its academic departments to function independently and autonomously and how does it ensure accountability?

- Yes, the academic department function independently. The Head of Department's are empowered to take care of the teaching, learning attendance of students and staff, internal exams and patient management.
- The Head of Department and guides is also responsible for the post graduate teaching and research dissertation.
- Dean takes action on any of the departmental affairs if needed and on the request of Head of Department.
- The feedback is received from the student's patients and parents regarding the affairs of the department and discussed in the college council meeting.

6.2.6 During the last four years, have there been any instances of court cases filed by and / or against the college? What were the critical issues and verdicts of the courts on these issues?

- Yes, in one case, when the student had forged the signature on the hall ticket and appeared for the exam the court gave a verdict in the favor of the college and the student was made to repeat the exam in the next term.

6.2.7 How does the college ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder-relationship?

- Yes, the institution has a grievance committee that looks into the grievance of students immediately and prompt action is taken to the satisfaction of the student.
- Student ragging and anti sexual harassment at the work place committee looks into any complaints of ragging and harassment. To date, no incident has taken place.

Students and patients can write their grievances/complaint and drop in the suggestion boxes which are looked into to find solution by the grievance committee.

- The grievances are finally discussed at the IQAC to find solution for satisfaction of the students, parents and patients.
- There is helpdesk to solve on the spot grievance of the patients and render help to the senior citizens and physically challenged patients.

6.2.8 Does the college have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?

- Yes, feedback from students on institutional performance is taken on regular intervals.
- The feedback on teaching / learning curriculum, infrastructure hostel, library are taken, analyzed and necessary corrective measures are carried out.
- All the above are discussed in the IQAC for the action to be taken.

6.2.9 Does the college conduct performance audit of the various departments?

- Yes, performance audit is carried out by asking the staff to fill the self appraisal forms.
- Feedback from students is taken on performance of department and teaching faculty.
- Academic audit of the institution is carried out by the Local Inquiry Committee of the MUHS and The Dental Council Of India which includes the various experts from other institution.
- Meetings of all Head of Department, Dean are held to audit the students performance and attendance before sending them for the university exam. Any deficiency in performance is discussed in the IQAC.
- Feedback from examiners is also taken to analyze the performance of the students.

6.2.10 What mechanisms have been evolved by the college to identify the developmental needs of its affiliated / constituent colleges?

- NA

6.2.11 Does the college and hospital have their own updated websites? If so, is the information regarding faculty and their areas of specialization, days of availability, timings, consultation charges available on the website?

- Yes, the institution has an active website www.mgmdchnavimumbai.edu.in college which is updated for faculty, information on curriculum and academic calendar.

6.2.12 What are the feedback mechanisms and documentations to evaluate the outcomes of these exercises?

- Feedback is taken from students, parents, patients and alumni.
- All the analyzed data is discussed and appropriate action taken.

6.3 Faculty Empowerment Strategies

6.3.1 What efforts have been made to enhance the professional development of teaching and non-teaching staff? What is the impact of continuing Professional Development

Programs in enhancing the competencies of the university faculty?

- The teaching staff is encouraged to participate in national and international conferences for which their registration and TA, DA is given.
- Teaching training workshops are held to enhance their teaching.
- Research and biostatistics workshop are held to update them with the latest in research.
- The non teaching staff is trained on the IT, use of computer and internet to be able to involve them in running the hospital management and treatment program.
- The technical staff is sent for training in new technology and visit to other dental labs is arranged to enhance their knowledge and skills.
- The college arranges basic life support classes.

6.3.2 What is the outcome of the review of various appraisal methods used by the college? List the important decisions.

- The institution has several appraisal methods to monitor the staff, students and the institution for academic research and outreach programs.
- The feedback form of students are analyzed and counselling to students is rendered.
- The self appraisal forms emphasises on the staff performance.
- Internal assessment exam, chair side end posting exam and intern's exit exam reflects the performance.
- Introduction of buddy and mentor ship program help to evaluate the student at regular intervals be able to give a feedback and improvement in their performance.

6.3.3 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have benefitted from these schemes in the last four years? Give details

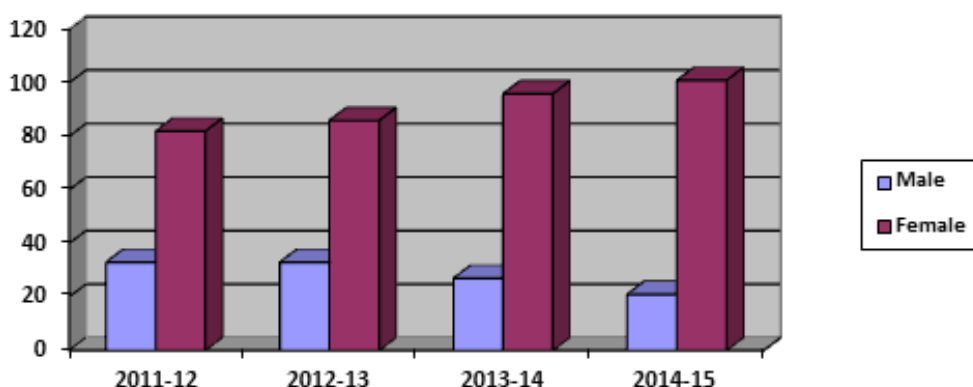
- Medical facilities are given free or on subsidized rate.
- TA, DA is given to those presenting papers and attending conference.
- Extension of Maternity leave is given as per the discretion of the dean head.
- Crèche facility is available for staff to keep their children.
- Concession in fees is given to the wards of employees in all the sister concerns teaching institution.

6.3.4 What are the measures taken by the college for attracting and retaining eminent faculty?

- Salaries as per paid to faculty.
- Timely promotions are given to the desired and eligible faculty.
- Financial assistance or concession in fees is given to the wards of the faculty.
- Advance salaries and financial aid is given within the rules and regulation of institution.
- Accommodation is provided to the teaching staff.

6.3.5 Has the college conducted a gender audit during the last four years? If yes, mention a few salient findings

- Yes, the college has conducted the gender audit of last four years.
- The salient feature of the gender audit conducted are as follows:
- The gender audit of the student shows 75% students are females and the analysis shows increasing trained of the female students.
- The gender audit of the teaching faculty also shows increase in number of percentage of female teaching faculty.
- The number of female students has increased in previous year accordingly hostel facilities for girls has been increased.



- Gender audits carried out 2011-12, 2012-13, 2013-14, 2014-15

Students	2011-12		2012-13		2013-14		2014-15	
	M	F	M	F	M	F	M	F
Total	33	82	33	85	27	92	21	101

6.3.6 Does the college conduct any gender sensitization programs for its faculty?

- Yes, the students and staff both are sensitized.
- Every month the Dean personally speaks to the class regarding the respect to women and their safety.
- Women day celebration to sensitize them on their role on empowerment to women
- Lectures on cyber crime, road safety, safety to women and self defense are held.
- The male staff and students are counselled on gender related issues.

6.3.7 How does the college train its support staff in better communication skills with patients?

- Lecture on communication skills are held for the supporting staff to enhance their skills.
- Induction program is also carried out for the newly appointed support staff at regular interval.

6.3.8 Whether the research interests of teaching faculty are displayed in the respective departments?

- Yes, all the research projects carried out by the staff and guided by them, is displayed in the respective departments.

6.3.9 Do faculty members mentor junior faculty and students?

- The institution has a mentorship program to mentor students. and assess the problems in performance, in academics and any personal difficulties. When needed, remedial classes are conducted and students are referred to counsellor for psychological counselling
- The Head Of Department mentors the junior staff which helps in the overall development of an individual.

6.3.10 Does the college offer incentives for faculty empowerment?

- Yes, the institution offers financial incentive to attend conference national and international.
- Seed money to start a research project.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism available to monitor the effective and efficient use of financial resources?

- The effective and efficient use of financial resources is managed by the Dean and administrative office under the directives of the Local Governing Council and IQAC.
- Purchase of items are approved by the purchase committee yearly audit of the accounts is done by an external auditor.
- However internal audit of department is carried out by purchase committee.

6.4.2 Does the college have a mechanism for internal and external audit? Give details.

- Yes, the college has a mechanism in place for the internal and external audit which is done by the senior account officer and the external audit for the institution is done by an external audit agency “Ashok Patil and Associates”.

6.4.3 Are the college's accounts audited regularly? Have there been any audit objections, if so, how were they addressed?

- Yes, the institution has been audited regularly and there has been no audit objections.

6.4.4 Provide the audited statement of accounts with details of expenses for academic, research and administrative activities of the last four years.

Heads of Expenditure	Budgeted in INR	Actual Exp.	Budgeted in INR	Actual Exp.	Budgeted in INR	Actual Exp. in INR	Budgeted in INR	Actual Exp. in INR
	2011-12		2012-13		2013-14		2014-15	
Teaching Staff Salary	43500000	42391032	46000000	45451423	48000000	47609054	49000000	46320978
Health Care services	15000000	1000000	2500000	2100000	3200000	3000000	3500000	3250000
Research	2000000	1485758	3000000	25000000	3500000	3000000	3200000	2500000
Faculty Development	160000	157984	170000	120000	180000	135000	190000	145650
Total	47160000	45034774	51670000	50171423	5880000	53744054	55890000	52216628

Detail audited statement available in the office.

6.4.5 Narrate the efforts taken by the college for resource mobilization.

- The institution mobilizes resources through collection of tuition fees, hostel fees subsidised treatment charges and consultancy services.

6.4.6 Is there any provision for the college to create a corpus fund? If yes, give details.

- The institution has a corpus fund with the help of parent trust.

6.4.7 What are the free / subsidized services provided to the patients in the hospital?

- The treatment offered to patients are highly subsidized.
- Patients coming from low income group, handicapped, rural camps and staff get free treatment.
- The management makes sure that no patient is deprived of treatment because of financial reasons.

6.4.8 Does the colleges receive fund from philanthropic organizations / individuals towards patient care? If yes, give details.

- The institution received treatment charges from the Rotary Club, Andheri for treatment of their patients, by the faculty of MGMDCH.

6.4.9 Do patients from other states / abroad come for treatment, reflecting the unique quality health care provided by the college?

- Yes, patients from other states come for treatment due to expertise available in the institution.

6.5 Internal Quality Assurance System.

6.5.1 Does the institution conduct regular academic and administrative audits? If yes, give details.

● **Administrative audit**

- ▶ This is carried out by the purchase committee, stores committee and finance audit committee.
- ▶ The departments submit monthly reports to showcase their performance.
- ▶ Any deficiency in performance is discussed in the college council and put forth the IQAC for final decision.

- **Academic Audits** is carried out by the Academic council on the students performance research conducted, and analysis of the feedback is carried out which is put forth to the IQAC for the implementation of the corrective measures to be taken to enhance the teaching learning, curriculum and performance.

6.5.2 Based on the recommendations of the Academic Audit, what specific follow up measures have been taken by the college to improve its academic and administrative performance?

- The analyses of feedback received from the students has been looked into by the IQAC and necessary improvements in teaching and learning methods have been introduced.
- Vertical and horizontal teaching and introduction to small group discussion.

- Clinical orientation to 3rd year with special emphasis on communication skills, ethics and sterilization has been introduced prior to stepping into the clinics.
- Mentorship programs and buddy program for peer mentoring of students has been introduced.
- Sending of bulk messages for information has been introduced for communications to students and parents. These are also put up on the website.
- Monitoring of research projects and articles published is done.

6.5.3 Is there a central unit within the college to review the teaching-learning process in an ongoing manner? Give details of its structure, methodologies of operations and outcome?

- Yes, the college council reviews the teaching and learning process.
- All departments submit the details of lectures, practical's and clinic to be conducted before commencement of the term.
- Teaching learning feedback received from students, patients and parents are discussed and put up to the college council and IQAC.
- Internal assessment exams, post end exams and daily assessment helps to assess the student performance and feedback to students given for improvements.
- All departments work independently. Head of Department is responsible for the administration of the department. This helps to decentralize work of the institution for easy administration.
- Depending on the self assessment of the staff and feedback received from student and peers, staff members are appraised if needed on their performance.

6.5.4 How has IQAC contributed to institutionalizing quality assurance strategies and processes?

- The IQAC has been formed in the last few months which has helped in improving the standard of education, administration and research.

6.5.5 How many decisions of the IQAC have been placed before the statutory authorities of the college for implementation?

- A few of the IQAC recommendation have been forwarded to the management for improvement of infrastructure for the placement of new lift and implementation of teaching learning and research.

6.5.6 Are external members represented in the IQAC? If so, mention the significant contribution made by such members.

- Yes, external members represent in the IQAC. Those from the industry suggest newer materials and visit to manufacturing units.

6.5.7 Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?

- Yes, the IQAC has been formed recently. The study on the incremental academic growth of students from disadvantaged sections of society is in the process.

6.5.8 Are there effective mechanisms to conduct regular clinical audit of the teaching hospital? Give details.

- Yes, the internal audit committee conducts the clinical audits of the teaching monthly.

- The MUHS has local inspection committee, that visits the institution once a year to audit the teaching, learning and research.
- The DCI also inspects the institution.

6.5.9 Has the college or hospital been accredited by any other national / international body?

- Yes, the institution is inspected and recognized by the DCI and MUHS which has given approval and affiliation to the institution. The Medical College and Hospital under the Deemed University, MGM Institution of Health Sciences has been assessed and accredited by the NAAC.

6.5.10 Does the hospital have institutional and individual insurance schemes to cover indemnity claims?

- Yes, there are insurance schemes for the students.

CRITERION VII

INNOVATIONS AND BEST PRACTICES





CRITERION – VII:
INNOVATIONS AND BEST PRACTICES

7.1 Environment consciousness

7.1.1 Does the institution conduct a Green Audit of its campus?

- Yes, the institution periodically undertakes green audit and reviews its activities and gives suggestions to protect the environment. The institution conducts a green audit of its campus by MGM Agriculture College.
- Inspection and supervision of the campus and facilities is also done internally by the Head of Institution, IBEC (Institutional Bio-safety and Environment Committee), to monitor the upkeep of the campus environment making it ecofriendly

7.1.2 What are the initiatives taken by the institution to make the campus eco-friendly?

***Energy conservation**

- The institution building is planned and structured in a way that enough natural light is received for use during the day time with good ventilation to minimize the use of electricity.
- The college issues circulars regularly advising faculty and staff members to save electrical power by turning the light, fan and other electrical appliances' switches off and keeping them unplugged when not in use.
- Reminder placards are placed wherever possible (departments, lecture halls, corridors etc.) to switch off the light or fan or close the tap when not in use.
- Tube lights and bulbs of low wattage are preferred and 3 star /4 star rated low energy consumption equipments/machinery are used
- Use of the air conditioners at an optimal temperature setting (22-24°C) and only when required.
- Use of LCD/ LED (less energy consumption) computer monitors.

***Use of renewable energy**

- Solar heaters are installed for water heating in the hostel.
- The buildings are designed, constructed and oriented in such a way that ample natural light and ventilation is made available. The layout of dental chairs in the department ensure free air circulation.

***Water harvesting**

- Water harvesting is done in the institution campus to harvest the rain water and make it available for a range of applications. This ensures sustainable water supply.

***Efforts for carbon neutrality**

- The institution conducts periodical plantation drives to keep the campus green and to provide fresh oxygen. The first day of the college fest is a tree plantation day dedicated to green campus. All the staff members and students participate in these drives.
- The institution has many green plantations to sequester carbon dioxide emitted in the atmosphere.

- Faculty are encourage to join carpool to get to work and back home or to consider use of public transportation once a month.
- Faculty and student are motivated to get engaged in projects within and outside the campus on awareness and protection of future from green house gases.
- Burning of laboratory waste and other waste materials has been banned and biological waste is being disposed through an authorized biological waste disposal agency and the bio-degradable wastes are used for compost making and used for in-house gardening purpose.
- Recycling of waste paper is promoted for regular administrative use. Rough work is encouraged on the used waste paper.
- The plastic bags used for waste disposal is also recyclable.
- The institution conducts “best out of waste” competitions during annual fest every year to instill and inspire the concept of reuse of resources.
- Digitalization and electronic patient record maintenance to save paper. IT (Database) software has been installed for the same.

***Plantation - Botanical or Medicinal significance**

- The census of the plants and trees in the campus is conducted regularly.
- The institution conducts periodical plantation drives to keep the campus green and to provide fresh oxygen and encourages all the staff members and students to participate in such drives. The plantations have been given names by the students who nurture protect and water them to maintain their own planted trees.
- The institution believes and encourages the “one seed one tree” philosophy where all the staff and students are advised to throw seeds (collected after consumption of fruits) in the barren lands (instead of waste bin) for a greener environment.

***Bio-hazardous waste management**

- All the hospital waste is collected in the bio-waste room of each department and segregated according to colour codes.
- Hospital waste management is in accordance to the Maharashtra Pollution Control Board (MPCB) guidelines and periodically disposed with authorized agency (Mumbai Waste Management Limited- CBMW-TSDF at MIDC, Taloja).
- The institution takes care of the protection of the waste disposal staff by providing them mask, gloves and protective clothing.
- The college administration has constituted a bio hazard monitoring cell.

***E-waste management**

- The college follows a system of buy-back and selling of computer components for the effective and efficient management of e-waste where old computers and allied hardware are returned to retailers/manufacturers for purchasing new machines at discounted prices or sold to vendors and recyclers.
- The rest of E-waste is disposed with the help of IT department of MGM Mumbai.

***Effluent treatment and recycling plant**

- Sewage treatment plant is installed for treatment of waste water and this treated water is reused for gardening and plantation purpose. The plant has a capacity of 400 meter cube. Aerobic flora are added at regular intervals.

***Recognition/certification for environment friendliness**

- The environment friendly philosophy of the MGM Management is reflected in the prize awarded by International Greenery Award.
- It is the college's endeavour to prevent activities that harm the environment and to optimise environmental conservation.

***Any other (specify)**

- The institution conducts frequent awareness drives on occasions such as World Heart Day, World No Tobacco Day, Oral hygiene Day, etc. for the local public. The institution has won a prize for the best "Oral hygiene Day celebration" in 2011.
- Motivating students and staff are motivated to minimise wastage of materials during work, save paper and printing ink.

7.1.3 How does the institution ensure that robust infection control and radiation safety measures are effectively implemented on campus?

- Common forms of personal protective equipment (PPE) used mandatorily by staff and students include: Gloves and apron are used for any task with a risk of infection. Masks –to provide respiratory protection. A common type of mask is the PFR mask which when correctly fitted, filters airborne microorganisms. Full face visors are used sometimes when there may be aerosolizing of fluid. Googles protect eyes usually when used in procedures where splashing is common.
- Cleaning hands – Written guidelines (SOP) and reminders near the wash basins have been displayed in all the departments. Alcohol hand scrubs have been made available with acceptable hand hygiene and skin care agents.
- Infectious Injury – Needle prick: Written safety guidelines on prevention and management (SOP) of the needle/sharp prick injuries and post exposure guidelines have been displayed. Needle destroyers have been placed in workplaces of all departments.
- Effective training on proper handling and disposal of sharp instruments and post-exposure prophylaxis along with the formation of a reporting centre are some of the measures taken by the institution.
- The institution encourages research projects and publications on awareness of practitioners to the different injuries in a dental setup and measures to prevent them. In this regard an article has been published in the college journal (JCD) is on prevalence and factors associated with sharp instrument injuries among health care students in MGM campus, NaviMumbai.

*** Radiation safety measures to prevent undue risk to health and surroundings:**

The following measures are taken up by the institution.

- Completely sealed Radiation exposure room with ventilation and compartmentalization for intra oral and extra oral radiography, X-ray tube shielding, room and personnel shielding is carried out according to AERB guidelines.
- All radiation exposure is based on the basic principle of ALARA (As Low As Reasonably Achievable).
- Regular use of high speed films, intensifying screens and film holding devices.
- Radiation safety measure certification for every three years by means of periodic calibration of OPG machine using Unfers Mult-O-Meter ensures complete

absence of scattered radiation even at a distance of 5 meters.

- To monitor the dose limit and operator protection, dose measure authentication through thermoluminescence badges (TLD) are done at regular 3 months interval at BARC, Mumbai.
- The college has a detailed policy document on the safe use of ionising radiation, which is communicated to students, support staff and faculty members through the Clinic Code Book and the Radiation Safety Manual.

7.1.4 Has the institution been audited/ accredited by any other agency such as NABL, NABH, etc.?

- Yes, by Dental Council of India and Local Inquiry Committee of the Maharashtra University of Health Sciences, Nashik
- NABL has accredited the Central Pathology Lab.

7.2 Innovations

- The details of the innovations introduced during the last four years which have created a positive impact on the functioning of the institution are as follows:

*** Innovation in education/ teaching-learning activities:**

- Emphasis on integrated teaching and learning by using a problem-based approach in which clinical, preclinical and paraclinical disciplines are taught simultaneously to help in understanding a particular problem comprehensively.
- Horizontal and Vertical integrated learning and teaching techniques are being practiced.
- Micro teaching is being used more often to enhance teaching skills. All the newly appointed teaching staff undergoes a training and assessment process with a feedback from the Head of Department.
- The teaching staff periodically attends workshops organised by medical education and Technology cell of MUHS to update and enhance teaching and assessment skills. It has been made mandatory for all the newly appointed staff.
- The institution has a number of inbuilt innovative and best practices. Students are exposed to field visits to dental material manufacturing units to have first hand information on material science and their application.
- Some other ingenious measures which have been institutiond includes visits to industrial laboratories fabricating restorations to observe the technology and visit to famous dental practitioners to observe the practice and patient management skills.
- Bookclub has been introduced to carry out group reading to enhance understanding of particular topics.
- A pixel club is operational to generate interest in photography which is essential fot documentation, presentation and assessment of treatment.
- UG Students are encouraged to take up short term and simple projects to become adept in research methodology and biostatistics techniques. They are also encouraged to present these research papers in national and international conferences or publish their work in peer reviewed journals.
- The Institution has introduced Objectively Structured Practical Examination (OSPE) and Objectively Structured Clinical Examination (OSCE) as part of

formative and summative assessment.

2. Innovation in individual and social development:

- Frequent tree plantation drives spreading the 'go-green' philosophy and awareness about creating an eco-friendly environment for a better tomorrow.
- Awareness about keeping the surroundings clean through Swachh Bharat Abhiyaan-Swachh Khandeshwar Swachh Desh drive carried out by the college on 12th January 2015. A dental health check-up camp was also organized for auto drivers. The Khandeshwar station has been adopted by the MGM DCH for carrying out the same on a regular basis.
- Walkathon on the occasion of World Heart day.
- Oral Health awareness run was held collaboration with the H-west Federation. on 14th December 2014
- World No Tobacco Day is celebrated by holding rallies with placards and banners spreading the message about ill effects of tobacco. Students were T-shirts with anti-tobacco messages and perform a flash mob dance with skit presentation.
- A unique concept of organizing a drawing competition, signature campaign and tattoo painting to gather and motivate public and create awareness amongst them regarding the harmful effects of tobacco was started. A free oral check-up and screening was also conducted.
- International Yoga Day celebration on 26th June 2015 where a professional yoga expert was invited to create awareness about its positive effect on life especially amongst dental professionals. Yoga classes are conducted for the staff and students
- Suryodaya Adhar Yojna spiritual discourse was conducted under the aegis of Suryoday Parivar on 1st March 2015 for spiritual well being of all.
- World peace day celebration where all the students and staff of different religions did a candle march and sat together to read versus of love and peace from their religious books (Geeta, Bible, Quran) to spread the message of peace, integrity and secularism.
- The Dale Carnegie program has been introduced and is conducted on a regular basis for the social development of an individual.

7.3 Best practices

Best practice 1:

1 Title of the Practice : Multidisciplinary Integrated Teaching and Evaluation based on OSCE and OSPE.

2 Objectives of the Practice

- To enhance the comprehensive understanding of a topic by the students.
- To develop a concept of holistic treatment approach for patients.
- To establish a precised, objective and versatile evaluation tool that can be used effectively in clinical setting.

3 The Context

- The institution plays an important role in integrated teaching to the dental students. Before integrated teaching the understanding of the topic was poor.

The horizontal and vertical integrated teaching adopted by the institution has resulted in clarity in understanding of the subject with holistic approach towards the patient management.

- Being a institution involved in treatment and comprehensive care of the community, the doctors coming out of the institution should be evaluated thoroughly with a effective and transparent evaluation process.

4 The Practice

- Multidisciplinary Integrated Teaching is a unique practice for understanding the subject thoroughly.
- This integration is done amongst the subject of same academic year for example: in the first year of BDS the subjects are taught in coordination with each other i.e. the topics taught in different subjects are scheduled in a way that the corresponding topics are taught simultaneously which is a horizontal integration.
- Vertical integration is practiced for the third and final year BDS students in which the topics to be taught are identified and all the faculty of departments involved come together for the same.
- The Institution has introduced Objectively Structured Practical Examination (OSPE) and Objectively Structured Clinical Examination (OSCE) for post graduate courses.

5 Evidence of Success

- The understanding about the subject becomes clearer with a positive effect on the treatment planning and execution.
- The results of the undergraduate and post graduate students have also increased.
- The feedback by student and teacher after the conduction of evaluation by OSCE and OSPE method is positive and has improved the results.

6 Problems Encountered and Resources Required

- As many faculty are involved in the process of integration, time management is difficult.
- Time table for integrated teaching is designed well in advance taking into consideration the time of all faculty members.
- Additional staff had to be recruited in order to avoid any lapses in schedule.
- For evaluation of OSCE and OSPE the number of faculty required is more, it is difficult for arranging many sets which is required.

Best practice 2 :

1. Title of the Practice

Building an atmosphere for Promoting research.

2. Objectives of the Practice

- To introduce research culture at the early undergraduate stage.
- To encourage faculty for research in the concerned field.
- To encourage interdepartmental and institutional research.

- To carry out research in line with the national health policies, like prevention of caries, prevention of periodontal diseases and oral cancer.
- Research regarding the prevalence of diseases in the underprivileged.
- Taking feedback from industry and alumni regarding potential areas that need research.
- Acquire collaborations with industry, external agencies, universities nationally and internationally for research.
- Emphasise the value of research and involve the faculty, students and alumni for carrying out research.

3. The Context

- The institution believes that research has great importance in the overall development of the faculty, students, alumni and the science as a whole which would benefit the community and also the underprivileged.

4. The practice

The institution has taken up the following steps to inculcate an atmosphere of scientific research:

- Conducting workshops on research methodology and biostatistics, scientific writing, library utilisation for referencing scientific literature gives the right direction to inculcate the atmosphere of research.
- Conducting regular workshops, conferences and continuing education programs creates the interest in newer fields.
- Publishing an institutional journal “Journal of Contemporary Dentistry” which is published quarterly. It is indexed with many reputed national and international indexing agencies. This is given to all faculty members and students’. Possessing a scientific journal from the very early stage creates interest in the concept of scientific writing and publication. This has completed 5 years of consistent publication.
- The faculty and students are encouraged to publish articles in national and international journals of repute.
- The institution has a day "Scientific Day" earmarked for scientific paper, poster and table clinic presentation where students from other institutions along with the students of the college participate and compete for the best paper/poster and table clinic presentation.
- A research day "Dr. A.P.J. Abdul Kalam Day" is dedicated to presentation of all research carried out in the institution.
- The faculty and students are encouraged to present scientific papers, posters, table clinics at national and international conferences.
- The industry showcases their materials and equipment's in the institution and trade shows where all are encouraged to visit and update information on the latest.
- Short studies are encouraged by undergraduate students to inculcate interest in the field of research.

- The institution has collaborations with other institutions, International agencies and industries for carrying out research. Most of the research is self funded. Even for those that are funded externally, seed money is given to start the research if there is delay in acquiring the funds.
- The library is well stocked with the latest books, journals, back issues, online access to literature through various databases like EBSCO, science direct and data base from the MUHS consortium. Internet facility and Wi-Fi enables easy access to literature.
- The Institutional Research Recognition Committee and the Institutional Ethics Review Committee has eminent faculty to analyse the research projects submitted and ethical parameters to be followed.
- Central Research Laboratory has the latest instrument and equipment to carry out research.

5. Evidence of success

- There are eminent faculty on the institutional ethical committee
- Published journal “Journal of Contemporary Dentistry”
- Research work carried out is published both by undergraduates, post graduates and faculty in peer reviewed journals.
- Prizes have been received by staff and students at national and international conferences for scientific presentations.

6. Problems encountered and resources required

- The faculty and students both need to be constantly encouraged and motivated to be consistently involved in research project.
- Funds may not be released on time which may delay
- Faculty busy with the routine academic teaching may not be able to dedicate the desired time for research.

Best practices 3

1. Title of the practice

Community and extension services.

2. Objective of the practice

- To inculcate the virtue of community service in the budding doctors.
- To bring out the character of empathy and service to the underprivileged.
- To keep the motto of “Service before self”.
- Attention to the oral and dental needs of the rural population.
- To bring about dental health awareness and preventive treatment to the children in schools.
- To enlighten the masses on the misuse of tobacco and its ill effects.
- To impart treatment to patients in old age homes, home for destitute and mentally and physically challenged children.

3. The context

- The Gandhian philosophy is kept topmost while treating patients.
- By instilling the value of service before self and service to the underprivileged a feeling of satisfaction and peace is experienced by the staff and student.

4. The practice.

- The institution has a very vibrant public health department.
- They plan the community health and extension activities in consultation with other departments
- Five Rural Satellite dental clinics are set up in villages. Faculty and students are posted in rotation to man these centres where dental screening, oral health education and treatment is carried out. All treatments are given free of cost.
- Patients from remote areas are admitted as in patient and all treatment is free
- Regular oral health camps are held for the community at railway station, Ganesh mandals, Durga puja mandals.
- Regular visits to old homes, home for destitute mentally and physically challenged children is planned and treatment is carried out in the mobile dental van. At times patients are also brought to the hospital for extensive treatment
- The institution along with Aasha workers and school teachers holds training camp in which the Aasha workers and school teachers try to educate the community in the rural setup, as they have direct contact with the villagers and children.
- The institution with the Maaya foundation has started the cleft lip and palate rehabilitation programme where all patients are given free treatment.
- Regular camps are held and students are encouraged to hold road shows, flash mobs and skits to highlight the ill effects of tobacco and counselling is also done to give up tobacco.
- The students and staff conduct camps for detection of precancerous condition and surveys are carried out to analyse and evaluate the cause and means of prevention.
- Blood donation camps are held during the 'To save a life campaign' and students donate blood for the cause of mankind.
- The students and faculty contributes to relief funds for natural calamities

5. Evidence of success

- It has been seen in the institution how well the above practices have improved the outlook of the faculty and students towards the community and underprivileged.
- The regular participation of students has increased.
- A feeling of wanting to give back to society is evident.
- Posters on health care, flip charts, movies have been prepared by the students to help in the oral health education.
- A very positive feedback has been received from the community for the service our institution has rendered.
- The smiling faces of the mentally and physically challenged children is a testimony for our service.

- Commendation letters have been received for the community service.

6. Problems encountered

- Meticulous planning is required as to where the camps need to be held with faculty deployment.
- The requirement of the community needs to be gauged and faculty and materials needs to be kept ready in advance.
- Postoperative follow up at times has a time gap which is difficult.
- Information regarding the check-up and treatment camps have to be informed well in advance to the Aasha workers and the Sarpanch to ensure effectiveness and utilization of the services offered at the camps.



Mahatma Gandhi Mission's
DENTAL COLLEGE AND HOSPITAL

Sector-1, Kamothe, Navi Mumbai -410209
Tel. No. 022-27436604 Fax No. 022 - 27433185
Website : www.mgmdchnavimumbai.edu.in

4. Declaration by the Head of the Institution

I certify that the data included in the Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussion, and no part thereof been outsourced.

I am aware that the Peer Team will validate the information provided in the SSR during the peer team visit.

Signature of the Head of the institution
with seal:

Place : Navi Mumbai
Date : 30th Nov. 2015





MAHATMA GANDHI MISSION'S DENTAL COLLEGE & HOSPITAL

Junction of NH-4 and Sion Panvel Expressway,

Sector-1, Kamothe, Navi Mumbai- 410 209

E-Mail ID: mgmdch@mgmmumbai.ac.in

Dr. Sabita M. Ram

Dean.

Tel : 022- 27436604

Fax: 91-22-27433185

Certificate of Compliance

(**Affiliated** / Constituent / Autonomous College and Recognized Institutions)

This is to certify that Mahatma Gandhi Mission's Dental College & Hospital, Kamothe, Navi Mumbai fulfils all norms.

1. Stipulated by the affiliating University : Maharashtra University of Health Sciences, Nashik.
2. Regulatory Council : Dental Council of India, New Delhi
3. The affiliation and recognition is valid as on date.

In case of affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date : 31/12/2015

Place : Kamothe, Navi Mumbai

Dean/Principal/Head of the Institution

Dr. Sabita M. Ram



ANNEXURES



महाराष्ट्र आरोग्य विज्ञान विद्यापीठ, नाशिक
MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, Nashik
(An ISO 9001:2008 Certified University)

दिंडोरी रोड, म्हस्रुळ, नाशिक - ४२२००४ Dindori Road, Mhasrul, Nashik - 422004
Tel : (0253) 2539192 / 198, Fax : (0253) 2539195
Website : www.muhs.ac.in, E-mail : ugacademic@muhs.ac.in

डॉ. कशिनाथ दा. गर्कळ
पीएच.डी.
कुलसचिव

Dr. Kashinath D. Garkal
Ph.D.
Registrar

No. MUHS/UG/E-2/2301/ 5060 /2015

Date 29/12/2015

TO WHOM IT MAY CONCERN

This is to certify that **Mahatma Gandhi Mission's Dental College & Hospital, Kamothe, Navi Mumbai, Maharashtra** is affiliated to Maharashtra University of Health Sciences, Nashik since A.Y. 2003-04 and is recognized by the **Government of India, Ministry of Health & Family Welfare, Dental Education Section, New Delhi**. The following courses / subjects are taught in the said college as per approval by **Dental Council of India, New Delhi**.

Sr. No.	Name of the course		Intake	Durations	Current Affiliation Temporary	Period of Validity
1.	Bachelor of Dental Surgery		100	4+1 Years	Temporary	A.Y.2015-16
2.	Master of Dental Surgery		-	-	-	-
	Sr. No.	Subject	-	-	-	-
	a)	Prosthodontics & Crown & Bridge	03	3 Years	Temporary	A.Y.2015-16
	b)	Orthodontics & Dentofacial Orthopedics	03	3 Years	Temporary	A.Y.2015-16
	c)	Conservative Dentistry & Endodontics	02	3 Years	Temporary	A.Y.2015-16
	d)	Oral & Maxillofacial Surgery (Unit-I)	02	3 Years	Temporary	A.Y.2015-16
	e)	Oral Pathology & Microbiology	03	3 Years	Temporary	A.Y.2015-16
	f)	Periodontology	03	3 Years	Temporary	A.Y.2015-16
	g)	Oral & Maxillofacial Surgery (Unit-II)	02	3 Years	Temporary	A.Y.2015-16
3.	Diploma in Oral & Maxillofacial Surgery		02	2 Years	Temporary	A.Y.2015-16

Attested
[Signature]



[Signature]
Registrar

BY REGD. POST

F.No.V.12017/16/2000-PMS
GOVERNMENT OF INDIA
Ministry of Health & F.W.
Department of Health
(P.M.S. Section)

Nirman Bhawan,
NEW DELHI, the 8th September, 2003.

✓ To: Dr. S.N. Kadam,
Trustee,
Mahatma Gandhi Mission Dental College,
Sector-18, Kamothe,
NAVI MUMBAI – 410 209.
(Maharashtra).

Subject: Mahatma Gandhi Mission, Nanded, Maharashtra – Application for establishment of a new dental college, 'Mahatma Gandhi Mission's Dental College', at Kamothe, Navi Mumbai, Dist.: Raigad, Maharashtra, with an annual intake capacity of 100 students in BDS Course.

Sir,

I am directed to refer to your letter dated 14.8.2003 accepting the terms and conditions contained in this Ministry's letter of even no. dated 5.8.2003 and furnishing the Performance Bank Guarantee No.17/2003-04, dated 14.8.2003 for Rs.150 lakhs valid for 5 years, i.e. up to 13.8.2008, issued by Development Credit Bank Ltd., Vashi, Navi Mumbai, and to convey the formal Permission of the Central Government under section 10A (4) of the Dentists (Amendment) Act, 1993 to Mahatma Gandhi Mission, Nanded, Maharashtra, for establishing a new dental college, 'Mahatma Gandhi Mission's Dental College', at Kamothe, Navi Mumbai, Dist.: Raigad, Maharashtra, with an annual admission capacity of 100 students in BDS Course for the academic session 2003-2004.

2. This permission is valid for only one year and for admitting only one batch of students during the academic session 2003-2004. However, the admission for the session 2003-2004 should be completed before 30.9.2003 in terms of the guidelines issued by GOI on 14.5.2003 in pursuance of the orders of the hon'ble Supreme Court of India in Madhu Singh Case.

3. The Central Government Permission will be renewed on yearly basis after verification of the achievement of annual targets. The next batch of students will be admitted in the college only after renewal of Central Government Permission for 2nd year BDS Course in the college.

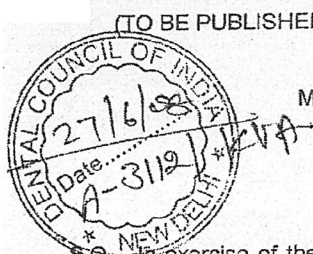
4. Admissions made in violation of the above conditions will be treated as irregular and action under Section 10B of the Dentists (Amendment) Act, 1993 will be initiated.

Yours faithfully,

(S.K. Rao)
Director (ME)

..2.





(TO BE PUBLISHED IN PART-II, SECTION 3 OF THE SUB-SECTION (ii) OF THE
GAZETTE OF INDIA)
GOVERNMENT OF INDIA
MINISTRY OF HEALTH & FAMILY WELFARE
(DEPARTMENT OF HEALTH)

Nirman Bhavan, New Delhi
Dated the 20 June, 2008

NOTIFICATION

S.O. In exercise of the powers conferred by sub-section (2) of section 10 of the Dentists Act, 1948 (16 of 1948), the Central Government, after consultation with Dental Council of India, hereby, makes the following amendments in Part-I of the Schedule to the said Act, namely: -

8. In the existing entries of column 2 & 3 against Serial No.60, in part-I of the Schedule to the Dentists Act, 1948 (16 of 1948) pertaining to Maharashtra University of Health Sciences, Nashik, the following entries shall be inserted thereunder: -

"XXI. Mahatma Gandhi Mission's Dental College & Hospital, Navi Mumbai

(i) Bachelor of Dental Surgery
(When granted on or after 19.06.2007)

BDS, Maharashtra University of
Health Sciences, Nashik."

No.V-12017/16/2000-DE

(Raj Singh)
Under Secretary to the Govt. of India

To,
The Manager,
Govt. of India Press,
Mayapuri Ring Road,
New Delhi.

Copy for information to: -

- ✓ 1. The Secretary, Dental Council of India, Kotla Road, Temple Lane, New Delhi-110002 with a request to obtain the copy of the Gazette Notification from Press and furnish at least two copies to this Ministry also.
2. The Secretary, Medical Education & Drugs Department, Government of Maharashtra, Mumbai, Maharashtra.
3. The Registrar, Maharashtra University of Health Sciences, Gangapur Road, Anandvalli, Nashik-422013 (Maharashtra)
4. The Principal, Mahatma Gandhi Mission's Dental College & Hospital, Sector-18, Kamothe, Navi Mumbai-410 209, Maharashtra.
5. The Secretary, Department of Health / Medical Education of all the States/ Union Territories/ Notification Folder/Guard File.

DE AC Abraham
Update web site
(5/7)

(Raj Singh)
Under Secretary to the Govt. of India

Attested

Handwritten signature



(TO BE PUBLISHED IN PART-II SECTION 3 OF THE SUB-SECTION (ii) OF THE GAZETTE OF INDIA)
GOVERNMENT OF INDIA
MINISTRY OF HEALTH AND FAMILY WELFARE

Nirman Bhavan, New Delhi
Dated the 15th February, 2013

NOTIFICATION

S.O..... In exercise of the powers conferred by sub-section (2) of section 10 of the Dentists Act, 1948 (16 of 1948), the Central Government, after consultation with the Dental Council of India, hereby, makes the following amendments in Part-I of the Schedule to the said Act, namely:-

2. In the existing entries of column 2 & 3, against Serial No.60, in Part-I of the Schedule to the Dentists Act, 1948 (16 of 1948) pertaining to recognition of dental degrees awarded by Maharashtra University of Health Sciences, Nashik, against MGM's Dental College & Hospital, Kamothe, Navi Mumbai, the following entries shall be inserted thereunder:-

"Master of Dental Surgery

Oral & Maxillofacial Surgery
(if granted on or after 27.6.2012)

MDS (Oral & Max. Surg.), Maharashtra
University of Health Sciences, Nashik

No.V.12017/9/2008-DE"

(Signature)
15/2/13
(Anita Tripathi)

Under Secretary to the Government of India

To

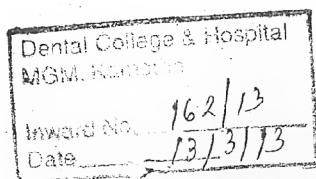
The Manager
Govt. of India Press
Mayapuri Ring Road
New Delhi

Copy for information to:

1. The Secretary, Dental Council of India, Kotla Road, New Delhi with a request to obtain the copy of the Gazette Notification from Press and furnish at least two copies to this Ministry also.
2. The Secretary, Medical Education & Drugs Department, Government of Maharashtra, Mantralaya, Mumbai.
3. The Registrar Maharashtra University of Health Sciences, Nashik, Maharashtra.
4. The Dean, MGM's Dental College & Hospital, Junction of NH-4 and /sion Panvel Expressway, Sector - 18, Kamothe, Navi Mumbai - 410209.
5. The Secretaries (Health) / Director (ME) of all States/Union Territories
6. Notification Folder/Guard File.

Assessed

(Signature)



(Signature)
15/2/13
(Anita Tripathi)

Under Secretary to the Government of India

GOVERNMENT OF INDIA
Ministry of Health & Family Welfare
(Department of Health and Family Welfare)

Nirman Bhavan, New Delhi
Dated the 15th April, 2014

NOTIFICATION

S.O..... In exercise of the powers conferred by sub-section (2) of section 10 of the Dentists Act, 1948 (16 of 1948), the Central Government, after consultation with the Dental Council of India, hereby, makes the following amendments in Part-I of the Schedule to the said Act, namely:-

2. In the existing entries of column 2 & 3 against XXI of Serial No.60, in Part-I of the Schedule to the Dentists Act, 1948 (16 of 1948) pertaining to recognition of dental degrees awarded by Maharashtra University of Health Sciences, Nashik against **Mahatma Gandhi Mission's Dental College & Hospital, Navi Mumbai**, the following entries shall be inserted thereunder:-

"Post Graduate Diploma
(Oral & Maxillofacial
Surgery)

PG Diploma (Oral Surgery)
(This shall be a recognized dental qualification when granted by Maharashtra University of Health Sciences, Nashik in respect of the PG students of Oral & Maxillofacial Surgery with two seats being trained at Mahatma Gandhi Mission's Dental College & Hospital, Navi Mumbai on or after 1st July, 2013)

Master of Dental Surgery
(Conservative Dentistry and
Endodontics)

MDS (Cons. Dentistry)
(This shall be a recognized dental qualification when granted by Maharashtra University of Health Sciences, Nashik in respect of the MDS students of Conservative Dentistry and Endodontics with two seats being trained at Mahatma Gandhi Mission's Dental College & Hospital, Navi Mumbai on or after 25th June, 2013)

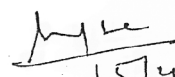
Master of Dental Surgery
(Orthodontics & Dentofacial
Orthopedics)

MDS (Ortho.)
(This shall be a recognized dental qualification when granted by Maharashtra University of Health Sciences, Nashik in respect of the MDS students of Orthodontics & Dentofacial Orthopedics with three seats being trained at Mahatma Gandhi Mission's Dental College & Hospital, Navi Mumbai on or after 29th June, 2013)

Attested



[F. No.V.12017/9/2008-DE]


15/4/14

(Manoj Kumar Jha)

Under Secretary to the Government of India

To

The Manager
Govt. of India Press
Mayapuri Ring Road
New Delhi

MGM Dental College & Hospital	
Kamothe	
Inward No.	783/15
Date :	28/4/14

Continued in page 02/-

GOVERNMENT OF INDIA
Ministry of Health & Family Welfare
Department of Health & Family Welfare

Nirman Bhavan, New Delhi
Dated the 3rd June, 2015

NOTIFICATION

S.O.....In exercise of the powers conferred by sub-section (2) of section 10 of the Dentists Act, 1948 (16 of 1948), the Central Government, after consultation with the Dental Council of India, hereby makes the following amendments in Part-I of the Schedule to the said Act, namely:-

2. In the existing entries of column 2 & 3 against Serial No.60 in Part-I of the Schedule to the Dentists Act, 1948 (16 of 1948) pertaining to recognition of Dental Degrees awarded by Maharashtra University of Health Sciences, Nashik, Maharashtra, against Mahatma Gandhi Mission's Dental College & Hospital, Navi Mumbai, the following entries shall be inserted, namely:-

Master of Dental Surgery

Prosthodontics and Crown & Bridge (With 3 seats if granted on or after 17.06.2014).	MDS (Prosth.), Maharashtra University of Health Sciences, Nashik.
Oral Pathology & Microbiology (With 3 seats if granted on or after 17.06.2014).	MDS (Oral Path.), Maharashtra University of Health Sciences, Nashik.

No.V.12017/09/2008-DE

S. M. K.

(Sudhir Kumar)

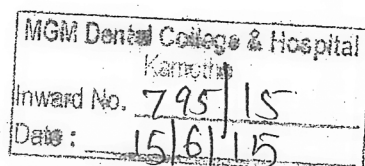
Under Secretary to the Government of India

To,

The Manager,
Govt. of India Press
Mayapuri Ring Road, New Delhi.

Attested

B. K. D.



[TO BE PUBLISHED IN THE GAZETTE OF INDIA, PART-II SECTION 3, SUB-SECTION (ii)]

GOVERNMENT OF INDIA
MINISTRY OF HEALTH AND FAMILY WELFARE

Nirman Bhayan, New Delhi
Dated the 21st October, 2015

NOTIFICATION

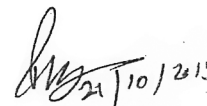
S.O.....In exercise of the powers conferred by sub-section(2) of section 10 of the Dentists Act, 1948 (16 of 1948), the Central Government, after consultation with the Dental Council of India, hereby, makes the following amendments in Part-I of the Schedule to the said Act, namely:-

In the existing entries of column 2 & 3 against Serial No.60 in Part-I of the Schedule to the Dentists Act, 1948 (16 of 1948) pertaining to recognition of Dental Degrees awarded by Maharashtra University of Health Sciences, Nashik, Maharashtra against M.G.M.Dental College & Hospital, Navai Mumbai the following entries shall be inserted thereunder:-

Master of Dental Surgery

Periodontology (With 3 seats if granted on or after 22.5.2015).	MDS (Periodontology) Maharashtra University of Health Sciences,Nashik.
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F.No.V.12017/9/2008-DE



(Pradip Kumar Pal)

Under Secretary to the Government of India

To,

The Manager,
Govt. of India Press
Mayapuri Ring Road, New Delhi.

Attested



M.G.M. Dental College & Hospital Kamotha	
Inward No.	1713/15
Date:	15/12/15







**MAHATMA GANDHI MISSION's
DENTAL COLLEGE AND HOSPITAL**
KAMOTHE, NAVI MUMBAI



MAHATMA GANDHI MISSION's
DENTAL COLLEGE AND HOSPITAL

(Recognized by Dental Council of India, Affiliated to Maharashtra University of Health Sciences, Nashik)

SECTOR - 1, KAMOTHE, NAVI MUMBAI

Tel.: 022 - 27436604, Fax : 022 - 27433185

www.mgmdchnavimumbai.edu.in



EVALUATIVE REPORT OF THE DEPARTMENTS

VOLUME - II

Cycle - 1

REPORT SUBMITTED TO THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BENGALURU - 560072

NOVEMBER 2015



“Education, which does not mould the character is absolutely worthless”

- M.K. Gandhi

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Evaluative Report of the Department

1. **Name of the Department :** Prosthodontics and Crown and Bridge
2. **Year of establishment :** 2003
3. **Is the Department part of a college/Faculty of the university?**
Yes
4. **Name of programs offered (UG, PG, Pharm D, Integrated Masters, M. Phil., Ph.D., Integrated Ph. D., Certificate, Diploma, PG Diploma, D. M. /M. Ch., Super specialty fellowship, etc.):**
Under graduate : Bachelor of Dental Surgery (B.D.S.)
Post graduate : Master of Dental surgery (M.D.S.) in Prosthodontics, Crown and Bridge
5. **Interdisciplinary programmes and departments involved:**
Departments involved in interdisciplinary programs are:
Prosthodontics, Conservative Dentistry, Pedodontics, Oral Medicine and Radiology, Orthodontics and Dentofacial orthopaedics, Community Dentistry, Periodontics and Dental Anatomy and Oral Histology, Oral Pathology and Microbiology.
Medical Specialties General Anatomy, Physiology, Biochemistry, Pharmacology, General Pathology and Microbiology, General medicine and General Surgery. Neurosurgery, Casualty/ Emergency, General Medicine, General Surgery, Ophthalmology, General Anaesthesia, ENT, Orthopaedic.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**
None
7. **Details of programs discontinued, if any, with reasons:**
None
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:**
Annual system of examination: Second BDS and MDS
Semester system of examination: Final year BDS
9. **Participation of the department in the courses offered by other departments:**
Yes
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	DCI Requirement	Sanctioned	Filled and Actual
Professor	01	01	01
Associate Professor/Reader	02	02	02
Lecturer	04	04	04
Tutor / Clinical Instructor	04	05	05
Total	11	12	12

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	Re-search under guidance
Dr.Sabita Ram	M.D.S.	Prof and H.O.D	Prosthodontics	34 years	09
Dr.Jyoti Nadgere	M.D.S	Professor/Reader	Prosthodontics	22 years	07
Dr. Naisargi Shah	M.D.S	Professor/Reader	Prosthodontics	20 years	06
Dr. Tulika Khanna	M.D.S	Reader/ Lecturer	Prosthodontics	7.1 years	
Dr. Janani Iyer	M.D.S	Reader Lecturer /	Prosthodontics	7 years	
Dr. Anuradha Mohite	M.D.S	Lecturer	Prosthodontics	2.5 years	
Dr. Sankalp Bhandarkar	M.D.S	Lecturer	Prosthodontics	11 months	
Dr.Abhijit Jadhav	B.D.S	Tutor		10 years	
Dr. Salma Tadv	B.D.S	Tutor		9 years	
Dr. Sudarshan Kadam	B.D.S	Tutor		9 years	
Dr. Mangesh Jadhav	B.D.S	Tutor		8.8 years	
Dr. Munitha Naik	B.D.S	Tutor		7years	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Visiting Professor: Dr. Maninder singh Setia

Professor Emeritus: Dr. A.K.Barua:

Adjunct/guest: Dr.Suchetan Pradhan, Dr.Sandesh Mayekar, Dr.Aqeel Reshamvala:

13. Percentage of classes taken by temporary faculty – program-wise information

We do not have any temporary faculty.

14. Program-wise Student Teacher Ratio :

Program	Student Teacher Ratio
BDS	9:1
PG Diploma	1:1
MDS	1:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

Staff	Sanctioned	Filled	Actual
Dental Technicians	05	05	05
Store Incharge	01	01	01
Computer operator	01	01	01
DSA	01	01	01
Attender	05	05	05
Receptionist	01	01	01
Total	14	14	14

16. Research thrust areas as recognized by major funding agencies

- All Ceramic Materials
- Implantology
- CAD-CAM technology
- Temporomandibular disorders
- Snoring and related diseases
- Zirconia

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Number of faculty with ongoing projects - 06

Sr no.	Title of project	Name of Faculty	Funding agency	Grants recieved
1	A survey to evaluate the prevalence of snoring in students of mgm dental college.	Dr. Janani Iyer, Dr. Tulika Khanna, Dr. Jyoti Nadgere, Dr. Naisargi Shah, Dr. Sabita Ram, Dr. Anuradha Mohite	MGM Trust	Rs. 25,000 /-

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

Collaborations with following centre

a) National Collaborations

- SIES, Nerul institute for instron testing machine for testing shear bond strength
- Praj Laboratory Institute, Pune to test mechanical properties of material like shear strength after applying force to the material.
- IIT,Powai for SEM study for surface roughness and temperature changes of the material.
- MGM Medical college, Department of ENT for examination of students for reasons of snoring.
- MGM Medical college, Department of Neurology for eelectromyography readings.
- Data colour lab, Andheri for SEM analysis to study color changes of provisional material using spectrophotometer.
- CAD center, Vashi for finite element study
- Insight CBCT center, Vashi and Bandra to get CBCT data in dicom files.
- Dental Ceramists, Bandra for CAD-CAM to study indirect method of scanning.
- Prime dental products for providing research material- I post

Total grants received from funding agencies - Grants allotted by MGM Trust – Rs.1 lac

b) International collaboration: Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

None

20. Research facility / centre with

- State recognition – Yes
- National Recognition- Yes
- International recognition- Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies

None

22. Number of papers published in peer reviewed journals (national / international):

- Total Publications: 60
- Number of National Publications: 53
- Number of International Publications: 7
(Details of publications are available in the department)
- **Monographs** - Nil
- **Published Book** –Prosthodontics at a glance- Dr.Sabita Ram
- **Books edited** - Nil
- **Books with ISBN with details of publishers** –Nil
- **Number listed in international database (For e.g. Web of science, Scopus, humanities International Complete, Dare Database – international social sciences Directory, EBSCO host, Mediline etc.)** : 36

Citation Index:

Range: 1-6, Average: 2.28

Impact Factor :

Range: 0-2.78, Average -0.23

SNIP (source normalized impact per paper):

Range: 0-0.358, Average: 0.358

SJR (SCImago Journal Rank):

Range: 0- 0.229, Average: 0.229

h-index

Author wise: Range: 0-3 Average: 1.14

Journal wise: Range: 0-9 Average: 09

23. Details of patents and income generated:

Nil

24. Areas of consultancy and income generated

- Research consultancy With Insight CBCT has been done and the Data can be utilized by the Implant companies for manufacturing right size of Implants for Indian patients.
- Research consultancy with Prime Dental Products for the suggestion to the manufacturers for approval of prefabricated post.
- Research consultancy with MGM Medical College, ENT Department for Developing an appliance for Patients suffering from Snoring.
- Research consultancy with Neurology Department for understanding better muscle activity of complete denture patients.

25. Faculty selected nationally/ internationally to visit other laboratories / institutions /industries in India and abroad –

National :

Dr. Sabita Ram

Dr. Jyoti Nadgere

Dr. Naisargi Shah

International:

Dr. Sabita M. Ram

Dr. A.K. Barua

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (specify)

A) National committees:

1) Dr.Sabita Ram

Ex-President of Indian Prosthodontic Society in year.

Ex President, Women's Dental Council.

Member of IGNOU committee 2008-13

Member, Staff Selection Board, PGI, Chandigarh.

Chief advisor in PG convention held at Nagpur in July 2015

Vice president, IPS-Mumbai and Navimumbai branch

Scientific chairperson IPS conference 2016

2) Dr. Jyoti Nadgere

Co- chairperson for Preconference course, IPS conference 2016

3) Dr. Naisargi Shah

Member, EC, IPS-Mumbai and Navimumbai branch

Chairperson for Souvinier committee, IPS conference 2016

B) Editorial Boards:

1) Dr.Sabita Ram

▶ Member of editorial board for Journal Of Prosthodontics, American College of Prosthodontists.

▶ Executive Member of editorial board for MGM Journal of contemporary Dentistry, Navi - Mumbai

2) Dr. Jyoti Nadgere

▶ Member of advisory board International Journal Of Prosthetic Dentistry

3) Dr. Naisargi Shah

▶ Member of advisory board International Journal Of Prosthetic Dentistry

4) Dr. Tulika Khanna

- ▶ Member of editorial committee for MGM Journal of contemporary Dentistry, Navi - Mumbai

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

Total Refresher / orientation programs, workshops, training programs and similar programs attended by staff in the last five years: 98.

Year (June to May)	No. of programme attended by staff
2011-2012	21
2012-2013	22
2013-2014	22
2014-2015	24
2015- till date	09
Total	98

28. Student projects

Percentage of students who have taken up in-house projects including inter-departmental projects:

UG – 10%

PG –100%

Percentage of students doing projects in collaboration with other universities/ industry/ institute:

95% postgraduate projects, are being carried out in collaboration with other institutions and other universities.

29. Awards / recognitions received at the national and international level by:

● Faculty: 03

1) Dr. Sabita Ram

Best teacher award to in Bite in Awards

2) Dr. Abhijit Jadhav.

Dr. Ratan H. Doctor Award First Prize at 65th Indian Dental Conference held at Mumbai, hosted by IDA Mumbai Branch.

3) Dr. Sankalp Bhandarkar

- 1st prize at 40th IPS national conference and 8th Biennial meeting of AAP, Chennai on 5th – 9th December, 2012 in paper presentation, The Small Wonder- Relationship of incisive papilla to the maxillary anterior teeth - A Demographic study.
- b) 1st prize in Poster presentation at 41st IPS national conference Ahmedabad, 13th – 17th November, 2013 One Visit Prosthodontics With An Interdiscipli

nary Vision.

c) 1st prize in paper presentation at scientific paper presentations RAZZ-2012 Nerul, Navi-mumbai titled SALIVA- is it the Prosthodontic saviour?

- Doctoral/ post doctoral fellows : Nil

Students: 13

1. Second prize for the topic ‘‘Plasma Brush’’ at Annual festival ‘‘MAGNUM’’ on 9th Jan 2012 by Pallavi Agicha 3rd year student.
2. ‘Best Paper Presentation’ prize for the topic ‘‘PATH TO PERFECTION : Rapid prototyping in Prosthodontics’’ at 65th Indian Dental Conference -2012, with the theme ‘‘Towards a paradise of smiles’’, held at Bandra Kurla Complex, Mumbai, hosted by IDA Mumbai Branch 9th -12th February, 2012 by Dr. Saili Chandavarkar.
3. Winner for presentation on ‘‘Virtuality to relality in Prosthodontics’’ at 14th IPS PG Convention, Mangalore. Dr. Saili Chandavarkar
4. Winner for Poster presentation on ‘‘Poor Ridge Foundation – Integration is the solution ’’ in 14th IPS PG Convention, Mangalore. Dr. Aditi Sabnis
5. Winner in Quiz Contest for Post Graduates on 28/072012 at 14th IPS PG Convention , Mangalore. Dr.Aditi Sabnis and Dr. Divya Singh.
6. Winner ‘‘Esthetic replacement of Bilateral Congenitally missing lateral incisors – Treatment approaches and Case Report’’ on 17th -19th July 2012 IAACD Conference, Mumbai. Dr. Jhuveria Syed Ali Hussain.
7. Second Rank in MUHS exam Dr. Ragini Sanaye.
8. Snap on smile By Zynia Branko intern at 52nd Maharashtra State Dental Conference, Nashik.
9. Best student paper presentation in 42nd Indian Prosthodontic society student Conference at Zirakhpur Chandigarh on ‘‘Digital teeth selection and smile designing for edentulous patient’’ by Dr. Kushal G on 6th to 9th Nov 2014.
10. Best paper to Dr.Amit and Dr.Ankita in PG convention held at Nagpur on 10-12th july 2015. Topic- Masking conventional metallic cast post for enhancing esthetics.
11. Best poster to Dr.Kushal Gandhi, Dr. Aditi Jain and Dr. Prachiti Terni PG convention held at Nagpur on 10-12th july 2015. Topic-Muscle deprogrammer.
12. Best Paper to Dr. Aditi Jain (1st prize) in esthetic dentistry- an update by IAACD held in MGM dental college on 7th august- topic –Masking discolouration with lithium disilicate crowns-A case report.
13. Best paper (2nd prize) in esthetic dentistry- an update by IAACD to Dr. Suyog Masram held in MGM dental college on 7th august – Achieving esthetics with minimally invasive treatment option-A case report.

30. Seminars/ Conferences / Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Total Programs -18

- 1. CDE program on “Manipulation of newer impression materials and demonstration of direct laminate veneers” by Dr. Manish Agarwal on 22/07/ 2011, supported by GC Company.**
 - ▶ Source of funding-MGM and GC company.
 - ▶ Outstanding participants:
National faculty: Dr. Manish Agarwal.
 - ▶ No of participants-56.
- 2. National workshop on ‘Maxillofacial Prosthodontics” by Dr. Mohit Kheur. demonstration and hands on course held on 22 /09/2011 and 23/09/2011**
 - ▶ Source of funding-MGM dental college.
 - ▶ Outstanding participants-
National faculty: Dr. Mohit Kheur
Resource persons:Dr. Naisargi Shah, Dr. Janani Iyer
 - ▶ No of participants -19.
- 3. Guest lecture on “Esthetic kaleidoscope” by Dr. Mona Kakkar on 13 /07/2012.**
 - ▶ Source of funding-MGM dental college.
 - ▶ Outstanding participants.
National faculty: Dr. Mona Kakkar.
 - ▶ No of participants-82.
- 4. Workshop on “Biofunctional Prosthetic System” with lecture and live demonstration on patient by Dr. Abby Abraham on 6 /09/2012 and 7/09/2012.**
 - ▶ Source of funding-MGM Dental college.
 - ▶ Outstanding participants :
National faculty: Dr. Abby Abraham.
Resource person: Dr. Tulika Khanna.
 - ▶ No of participants-10.
- 5. CDE program titled “Responsible Esthetics in contemporary dentistry “ by Dr. Ali Tunkiwalla, on 17 /10/2012.**
 - ▶ Source of funding-MGM Dental college and American Academy of Cosmetic Dentistry (AACD).
 - ▶ Outstanding participants-
National faculty: Dr. Ali Tunkiwalla.
Resource person: Dr. Janani Iyer.
 - ▶ No. on participants-88.
- 6. ‘Orientation Lecture and Hands-On program on implants” by Dr. Neeta Shetty conducted by Nobel Biocare, on 6/11/2012.**
 - ▶ Source of funding- Dept of Prosthodontics, MGM dental College and Hospital.
 - ▶ No. of participants-71.

7. **A CDE program with Hands-on course on “Naso Alveolar Moulding in cleft Lip and cleft palate patients” by Dr. Gajanan Shanbagh on 25/04/2013.**
 - ▶ Source of funding- Dept.of Prosthodontics, MGM Dental College and Hospital, Navi Mumbai.
 - ▶ Outstanding participants-
National faculty : Dr. Gajanan Shanbagh.
Resource person : Dr. Sandeep Gurav.
 - ▶ No. of participants-10.
8. **Demonstration and workshop of Metal free Ceramic crown fabrication lab procedures by Mr.Rahul kakodkar on 4/9/2013.**
 - ▶ Source of funding- Ivoclar and NK patel and sons.
 - ▶ Outstanding participants-
National faculty: Mr. Rahul Kakodkar.
Resource person: Dr. Sandeep Gurav and Dr. Swapnali mhatre.
 - ▶ No of participants-56
9. **CDE program and Hands-on on “Dental laminates and veneers” by Dr. Saiesha Mistry on 8/8/2014.**
 - ▶ Source of funding-Dental Avenue.
 - ▶ Outstanding participants-
National faculty: Dr. Saiesha Mistry.
Resource person: Dr. Sandeep Gurav and Dr. Janani Iyer.
 - ▶ No of participants-47.
10. **Guest lecture on “Digital Smile Designing” by Dr. Rajiv Verma on 3/9/2014.**
 - ▶ Source of funding- MGM Dental college and Hospital, Navi-Mumbai.
 - ▶ No of participants-79.
11. **CDE program on “Temperomandibular Disorder And Orofacial Pain” by Dr. Noshir Mehta on 20/9/2014.**
 - ▶ Source of funding- MGM Dental college and Hospital, Navi-Mumbai.
 - ▶ Outstanding participant-
National faculty: Dr. Noshir Mehta.
Resource person: Dr. Sandesh Mayekar, Dr. Sabita Ram.
 - ▶ No of participants-153.
12. **CDE Program on “Responsible Esthetics in contemporary dentistry” by Dr. Ali tunkiwalla on 18/3/2015.**
 - ▶ Source of funding- AACD.
 - ▶ Outstanding participant-
National faculty: Dr. Ali tunkiwalla.
Resource person: Dr. Janani Iyer, Dr. Tulika khanna.
 - ▶ No of participants-77
13. **CDE Program on “Implants in day to day practice” a lecture by Dr. Naisargi shah organized by Colgate on 25/3/2015.**
 - ▶ Source of funding- colgate

- ▶ Outstanding participant-
National faculty: Dr. Naisargi shah
- ▶ No of participants -84

14. CDE program on “Updates in Adhesives and Restorative Dentistry” by Dr. Pallavi Patil from 3M ESPE on 1/7/2015.

- ▶ Source of funding-3M
- ▶ Outstanding participant
National faculty: Dr. Pallavi Patil
- ▶ No of participants -72

15. CDE program on “Advances in Adhesive Dentistry” by Dr. Pallavi Patil from 3M ESPE on 29/7/2015.

- ▶ Source of funding-3M
- ▶ Outstanding participants
National faculty: Dr. Pallavi Patil
- ▶ No of participants - 60

16. CDE program on “Aesthetic Dentistry – an update” by Dr. Pankaj Maheshwari on 07/08/2015.

- ▶ Source of funding- MGM Dental college and Hospital, Navi-Mumbai
- ▶ No of participants - 65.

17. CDE program on “How to start a dental practice” a lecture by Dr. Abhijit Jadhav organized by Colgate on 8/9/2015.

- ▶ Source of funding- colgate.
- ▶ Outstanding participants.
- ▶ National faculty: Dr. Abhijit Jadhav.
- ▶ No of participants-88.

18. CDE programme on 3D Functional digital smile designing on 21/10/15 by Dr. Sagar Abhichandani.

- ▶ Source of funding- MGM Dental college and Hospital, Navi-Mumbai.
- ▶ Outstanding participants-
- ▶ National faculty: Dr. Sagar Abhichandani.
- ▶ Resource person: Dr.Sankalp Bhandarkar.
- ▶ No of participants-110.

31. Code of ethics for research followed by the departments:

As per Institutional Ethics Review Committee MGMDCH (Refer SOP V-02 of IERC)

32. Student profile program-wise: Not Applicable

Selection process is done by AMUPMDC and data related to it is available with competent authorities.

The student profile is according to the examination conducted by the MUHS and the pass percentage is available with the department.

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
BDS – 2011	91	6	2	1
BDS – 2012	88	4	4	3
BDS – 2013	91	7	1	1
BDS – 2014	97	1	2	0
MDS – 2011	67	33	0	0
MDS – 2012	100	0	0	0
MDS – 2013	100	0	0	0
MDS – 2014	67	33	0	0
MDS – 2015	67	0	33	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

GRE : 10

TOEFFEL: 10

MPH : 01

Total : 21

35. Student progression :

Student progression	Percentage against enrolled				
	2011	2012	2013	2014	2015
UG to PG	18 %	21 %	23 %	20 %	26 %
PG to M.Phil / DM / M Ch / DNB	None	-	-	-	-
PG to Ph.D.	None	-	-	-	-
Ph.D. to Post-Doctoral	None	-	-	-	-

Employed					
Campus selection	-	-	5%	10%	15%
Other than campus re-cruitment	100%	100%	95%	90%	85%
Entrepreneurs	None	-	-	-	-

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	58.33 %
from other universities within the State	16.67 %
from universities from other States	25 %
from universities outside the country	NIL

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt.during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library –

- ▶ Number of Books-74
- ▶ Number of Titles-74
- ▶ Number of journals-257
- ▶ Title of journals-15
- ▶ Online access of journals-08
- ▶ Library Dissertation-15
- ▶ Dissertation-12
- ▶ CD-217

b) Internet facilities for staff and students: 03 computers with internet facility

c) Total number of class rooms – 04

Seminar room -01

d) Class rooms with ICT facility and ‘smart’ class rooms –Yes, 4+1 (Wi-Fi available and CD For Lectures available in department)

e) Students laboratories – Yes Available

f) Research laboratories – Yes Available

39. List of doctoral, post-doctoral students and Research Associates

a) From the host institution/university:

None

b) From other institutions/universities:

Dr. Sabita Ram is a PhD guide to Dr. Manisha Kulkarni at Saveetha University, Chennai.

40. Number of post graduate students getting financial assistance from the university.

None

41. Was any need assessment exercise undertaken before the development of program(s)? If so, highlight the methodology.

Yes,

Need assessment exercise was undertaken before the new programme was introduced in the form of feedback from all the stakeholders, essentiality certificates for BDS and MDS courses were procured.

42. Does the department obtain feedback from

a) Faculty on curriculum as well as teaching-learning-evaluation?

Yes,

How does the department utilize the feedback?

The department faculty give their feedback on curriculum and teaching learning evaluation in staff meetings. Depending on the feedback suggestions are forwarded to the University Authority for further action through the College Council.

b) Students on staff, curriculum and teaching-learning-evaluation?

Yes,

How does the department utilize the feedback?

Department takes feedback from students on staff, curriculum and teaching-learning evaluation. This feedback is assessed and discussed at the departmental staff meetings. The suggestions are put up to the college council and IQAC for approval to be implemented for the improvement.

c) Alumni and employers on the programs offered

Yes,

How does the department utilize the feedback?

Feedback is taken and suggestions analysed and forwarded to university for upgradation of curriculum.

43. List the distinguished alumni of the department (maximum 10)

PG STUDENTS

- ▶ Dr. Saili Chandavarkar is a Director, Academy of Integrated Dental Education.
- ▶ Dr. Prasad Mhaske is a Lecturer at Rural Dental College at Pravranagar, Loni.
- ▶ Dr. Aditi Sabnis – Lecturer at Shree Balaji Dental College, Hyderabad.
- ▶ Dr. Ganesh Mengal is a first Post Graduate Dentist to set Practice in Karjat.

UG STUDENTS:

- ▶ Dr. Trupti Sarode is Research assistant at University of Minnesota

- ▶ Dr. Harsh Sharma, Lecturer, Lomalinda, USA
- ▶ Dr. Prajakta Shanbhag is Research Assistant at the Dept. of Research and Nursing at University of Colorado, Denver, USA.
- ▶ Dr. Sahiti BLK Dental health resident at Centers for Disease Control (CDC), University of Minnesota
- ▶ Dr. Juveria Sayyad is pursuing her post graduate studies in united states of America.
- ▶ Dr. Kishor Chindam has completed his MBA degree from the IIM , Trichi and is currently working with Carestream.
- ▶ Dr. Prashant Poplai is working in “Spreading Smiles” In North California.
- ▶ Dr. Deesha Majithia is “MAS” Manager at Global Health And Human Services in British, Colombia.
- ▶ Dr Harish Konar is Manager, Medical Analyst, IKS, Powai.
- ▶ Dr. Zita Antoa is HR Manager and Recruitment, My Dentist, Mumbai.

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Total number of special lectures / workshops / seminar conducted in last 5 years-17
2011- 12

- 1) Workshop on ‘Maxillofacial Prosthodontics’ conducted by Department of Prosthodontics MGM Dental College, Navi Mumbai , 22nd -23rd September 2011.

External expert: Dr. Mohit Kheur

- 2) Workshop on Manipulation of Newer Impression Materials and Demonstration of Direct Laminate Veneers conducted and supported by GC Company in MGM Dental College, Navi Mumbai on 22nd July 2011

External expert: Dr. Manish Agarwal

2012- 13

- 1) Workshop on “Biofunctional Prosthetic System” with Lecture and live demonstration on Patient. organised by Dept of Prosthodontics on 6th – 7th Sept 2012.

External expert Dr. Abby Abraham.

- 2) One day seminar on “Responsible Esthetics in contemporary Dentistry” conducted by MGM Dental college and Hospital with American Academy of Cosmetic Dentistry (AACD) on 17th Oct 2012

External expert Dr. Ali Tunkiwal

- 3) Special Orientation lecturer and hands on program on implants conducted by Nobel Biocare, on 6/11/2012 organized by Dept of Prosthodontics, MGM dental College and Hospital.

External expert Dr. Neeta Shetty

- 4) One day scientific lecture on “ Esthetic Kaleidoscope” by Indian Academy of Aesthetic Dentistry (IAACD) on 13th July 2012

External expert Dr. Mona Kakkar

- 5) A workshop on “Naso Alveolar moulding in Cleft Lip and Palate patients was conducted on 25/04/2013. The program is organized by department of Prosthodontics at Preclinical Prosthodontics laboratory, MGM Dental College and Hospital, Navi Mumbai.

External expert Dr. Gajanan Shanbagh

2013- 14

- 1) A workshop of lab procedures in metal free ceramic restoration at MGM dental college and hospital on 4/9/2013

External expert - Mr.Rahul Kakodkar

- 2) A workshop on “Simplified prosthetic approach to complex intra-oral Maxillofacial situation” is at 41st IPS Conference Ahmedabad, Gujarat. By Department Team 14th Nov 2013. Mentors : Dr. Naisargi Shah. Co -Mentors : Dr. Jyoti Nadgere, Dr. Sandeep Gurav, Dr. Tulika Khanna, Dr. Janani Iyer, Dr. Swapnali Mhatre, Dr. Anuradha Mohite

2014- 15

- 1) A seminar on Dental laminates and veneers at MGM Dental college and Hospital, Navi-Mumbai on 08/8/2014.

External expert - Dr. Saisha Mestry

- 2) A special lecture on “Digital smile designing” on 3/9/14 at MGMDCH.

External expert -Dr.Rajeev Verma

- 3) A seminar on Temporo Mandibular disorder and Orofacial Pain organized by Department of Prosthodontics at MGM Dental college on 20/9/14.

External expert Dr. Noshir Mehta and Dr. Sandsh Mayekar.

- 4) A Lecture on “Responsible aesthetics in contemporary dentistry on 18/3/2015

External expert Dr. Ali Tunkiwal

- 5) A Lecture on “Implants in day to day life” on 23/3/2015.

External expert Dr. Naisargi Shah

2015-till date

- 1) A special lecture “Esthetic dentistry –an update” by IAACD on 7/8/2015.

External expert - Dr.Pankaj Maheshwari

- 2) Updates in Adhesives and Restorative Dentistry on 1/7/2015

External expert - Dr. Pallavi Patil

- 3) A workshop on “Advances in Adhesive Dentistry” on 29/7/2015

External expert - Dr. Pallavi Patil

- 4) CDE programme on 3D Functional digital smile designing on 21/10/15

External expert - Dr. Sagar Abhichandani

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

- **Theory :**
 - ▶ Didactic lectures Power point presentation.
 - ▶ Blackboard.
 - ▶ Models/ videos /charts.
 - ▶ Pedagogy.
- **Practicals:**

- ▶ SOPs are given to students for all clinical procedures.
- ▶ Clinical Demonstration.
- ▶ Group Discussion.
- ▶ Case based clinical discussion.
- ▶ Chair side clinical discussion.
- ▶ Workshops/ Hands on courses.
- ▶ Micro Teaching.
- ▶ CDEs.
- ▶ Teaching on communication skill.
- ▶ By extension activities.
- ▶ Field visits.
- ▶ Dental Camps.
- Seminars
- Tutorials
- Revision classes
- CDEs
- Journal clubs
- Webinars

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- Feed backs are taken from students at the end of every lecture and at the end of every term.
- Formative and summative exams.
- Seminars to evaluate student's understanding.
- Introduction of OSCE for Post Graduate students.
- Buddy and Mentor programme.
- One minute preceptor learning- teaching for Post Graduate students.
- Problem based and evidence based learning.

47. Highlight the participation of students and faculty in extension activities.

- Single day denture camp.
- Home Visits for Geriatric patients.
- Oral hygiene day.
- TII.
- AIDS day.
- Regular blood donation camp.
- Radio Talks.
- Awareness campaign for Swachh Bharat.
- Tree plantation.
- Anti Tobacco Campaign.

48. Give details of “beyond syllabus scholarly activities” of the department.

- Book club.
- Making Charts and Models by Undergraduate students.
- Research projects taken up by undergraduate students.
- Visit to other lab and clinics.
- Del Carnegie Workshop.
- Quiz.
- White coat ceremony.
- Paper / posters / Lectures / Workshops / preconference course by Faculty and PG.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

Yes, by DCI and MUHS.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- The research projects being conducted by the department help to generate new knowledge in the field of implantology.
- The department is actively involved in organizing CDE Programs by inviting eminent speakers and renowned clinicians to improve and update the knowledge and clinical skills in esthetics, digital smile designing, maxillofacial prosthodontics and Temporomandibular joint disorders whereby there is a constant inflow of new ideas and knowledge.
- By holding interdepartmental meetings to enhance the integrated learning for better management of patients.
- At the community level, the department carries out surveys in techniques and materials being used in restoration and oral rehabilitation of patients. Which generates new knowledge for the application of materials and techniques.
-

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Department has a very well trained and dedicated faculty.
- Faculty has over 65 publications in National and International Indexed journals. This creates an atmosphere of research and Scientific writing. Four of the faculty are members of Editorial Boards of National Journals.
- Department has a well stocked library.
- Department has a fully functional and very well equipped dental laboratory with Special Lab for fabrication of Esthetic restorations which is a back bone for the Prosthodontic department.

- Department has good inflow of patients and all treatments are done under one roof and at low cost and outstation patients are also provided with free lodging and food.

Weaknesses:

- Technologies like CAD/CAM and CBCT needs to be introduced.
- Due to engagement in teaching schedule, opportunity for research activity is restricted.
- Faculty needs to pursue PhD.
- Department needs to have more government funded projects.
- Specialized training in Temporomandibular Disorders Needs to be introduced.

Opportunities:

- There is an opportunity for the faculty member to get qualified as Ph.D.
- Department can utilise the Dental Laboratory for the commercial purpose by insourcing the lab work for general dental practitioners.
- To take up the short and long term research, approved by the major research institutions.
- To establish a centre for Maxillofacial Prosthodontics.
- Start a certificate course on Digital Smile Designing.

Challenges:

- Prosthodontics including esthetics and implantology is a very fast developing field of dentistry. Our challenge is to not only keep pace with this fast growing technology but also provide this treatment at a lower cost to our patients.
- To procure funds for research.
- Involve faculty in research with other universities.
- MOUs to have collaboration with foreign universities and industries.
- Get research approval and grants by Govt. funding agencies.

52. Future plans of the department.

- To established collaboration with the departments of other universities in prosthodontics and restorative dentistry to conduct multicentred clinical research.
- The inclusion of the latest technology like CAD-CAM.
- To provide more research opportunities and encourage Prosthodontic research for BDS students.
- Strategic plan to develop a specialized referral care clinics for maxillofacial prosthetics and Temporomandibular disorder.
- To develop and support sleep medicine, since this belongs to prosthodontics, specialized care for sleep dentistry program to promote our mission of scholarly activity patient care, service and education.

Evaluative Report of the Department

1. **Name of the Department:** Department of Conservative Dentistry and Endodontics.
2. **Year of establishment :** 2003.
3. **Is the Department part of a college/Faculty of the university?** Yes.
4. **Names of programs offered:**
 - a. Undergraduate - Bachelor of Dental surgery (BDS)
 - b. Post Graduate – Master of Dental surgery (MDS)
5. **Interdisciplinary programs and departments involved:**

General Anatomy, Physiology, Pharmacology, Pathology, Biochemistry, Microbiology
General surgery and medicine. Oral anatomy, pathology and microbiology,
Prosthodontics and dentofacial prosthetics, Periodontics and implantology, Oral and
maxillofacial surgery, Pedodontics, Orthodontics, Community dentistry.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**

None.
7. **Details of programs discontinued, if any, with reasons:** None.
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:**
 - a. Annual system of Examination - Second BDS and MDS.
 - b. Semester system - Fourth BDS second semester.
9. **Participation of the department in the courses offered by other departments:**

Yes.
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	DCI Requirements	Sanctioned	Filled
Professor	01	01	01
Associate Professor/Reader	02	02	02
Lecturer	04	04	04
Tutor / Clinical Instructor	04	04	04
Total	11	11	11

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance.

Name	Qualification	Designation	Specialization	No. of Years of Experience	Research under guidance*
Dr. Vanitha U. Shenoy	MDS	Professor and HOD	Conservative Dentistry and Endodontics	27yrs 6 months	11
Dr. Sumanthini MV	MDS	Professor/Reader	Conservative Dentistry and Endodontics	15 yrs 6months	7
Dr. Anuradha Patil	MDS	Reader	Conservative Dentistry and Endodontics	4yrs 2months	-
Dr. Janani Balachandran	MDS	Lecturer	Conservative Dentistry and Endodontics	3years 3months	-
Dr. Rithima Sokhi	MDS	Lecturer	Conservative Dentistry and Endodontics	9 months	-
Dr. Jayeeta Verma	MDS	Lecturer	Conservative Dentistry and Endodontics	9 months	-
Dr. Mohit Bodhwani	MDS	Lecturer	Conservative Dentistry and Endodontics	2 months	-
Dr. Rupali Asutosh Deshmukh	BDS	Tutor	-	15yrs 9 months	-
Dr. Manisha Manoj Bhosle	BDS	Tutor	-	12yrs 11 months	-
Dr. Mausami Anirudha Malgaonkar	BDS	Tutor	-	9yrs 3 months	-
Dr. Mohammad Rafeeq M Nalband	BDS	Tutor	-	7yrs 5 months	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Visiting faculty: Dr Maninder Singh Setia.

Adjunct faculty (Guest faculty): Dr Nandana Patil, Dr Anish Naware

13. Percentage of classes taken by temporary faculty – program-wise information

We don't have any temporary faculty.

14. Program-wise Student Teacher Ratio:

Program	Student Teacher Ratio
UG	9:1
PG	1:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

Staff	Sanctioned	Filled	Actual
Computer operator	01	01	01
Dental Technician	01	01	01
Staff Nurse	02	02	02
Lab attendant	01	01	01
TOTAL	05	05	05

16. Research thrust areas as recognized by major funding agencies -

Dentinal hypersensitivity.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

a) National : 06

Sr no.	Title	Faculty	Funding Agency	Grants recieved INR
1	Evaluation of the pH of Five Different Endodontic Sealers: An In-vitro Study.	Dr Vanitha U. Shenoy	MGM trust	5000
2	Association of diabetes type 2 with the prevalence of apical periodontitis and root canal treatment:A cross sectional study	Dr Vanitha U. Shenoy	MGM trust	5000
3	The treatment outcomes of Endodontically treated teeth with open apex: A retrospective and prospective study	Dr. Sumanthini MV	MGM trust	5000
4	Evaluation of the incidence of pain occurrence and healing outcomes following two different gutta obturation techniques : an in vivo study	Dr. Sumanthini MV	MGM trust	5000

5	Comparison of pre operative oral ibuprofen and ketorolac on anaesthetic efficacy of Inferior Alveolar Nerve Block and Buccal Infiltration with Articaine in patients with irreversible pulpitis: a prospective, double-blind, randomized clinical trial.	Dr Janani Balachandran	MGM trust	5000
6	Evaluation of the correlation between dental caries and periodontitis - A clinico- immunological analysis	Dr Janani Balachandran	MGM trust	5000
7	Assessment of healing outcome of intentional replantation as an alternative treatment modality in management of calcified necrotic teeth with periapical lesions: A prospective study.	Dr Rithima Sokhi	MGM trust	5000
8	A comparative evaluation of the desensitizing effect of 8 % arginine and 8% strontium acetate containing toothpastes: An in vivo study	Dr Mohit Bodhwani	MGM trust	5000
9	The efficacy of pre-operative administration of Gabapentin and Pregablin in control of post endodontic pain following single visit endodontics – a double blind, randomised clinical trial	Dr. Jayeeta Verma	MGM trust	5000

18. Inter-institutional collaborative projects and associated grants received

a) National Collaboration b) International Collaboration.

a) National Collaboration

- At IIT Powai, Instron testing machine for evaluating bond strength
- At SIES Nerul , Navi Mumbai, Instron testing machine for evaluating bond strength
- At Praj Labrotaries, Pune, Stereomicroscope for microleakage testing
- At Department of Biotechnology, MGM Medical College and Hospital. Navi Mumbai, Spectrophotometer and pH meter for microleakage evaluation
- At Department of Biochemistry, MGM Medical College and Hospital . Culture and evaluation of efficacy of medicament against Enterococcus faecalis, pH meter for measuring acidity.
- Instron testing machine, Praj Metallurgical Pune, to test the compressive strength

b) International Collaborations : Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.: Nil

20. Research facility / centre with

- State recognition - Yes
- National recognition - Yes
- International recognition - Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil

22. Publications:

* **Number of papers published in peer reviewed journals (national / international).**

Total Number of publications- 23

International - 1; National - 22

(Details of publications are available in the department)

* **Monographs** - none

* **Chapters in Books** - none

* **Books edited** - none

* **Books with ISBN with details of publishers** - none

* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)** - 18

* **Citation Index** - range / average -1-4 / 2

* **SNIP** - range 0.5-1.33 /average - 0.826

* **SJR**- range 0.312-0.474 /average - 0.393

* **Impact Factor** - range 0 / average - 0

* **h-index range** - 0 -1 average 0.43

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generated

Free treatment is given to patients.

25. Faculty selected nationally / internationally to visit other laboratories / institutions /industries in India and abroad

National –

- Dr Vanitha Shenoy.
- Dr Sumanthini M.V

International - Nil

26. Faculty serving in

a) National committees: Nil

b) International committees: Nil

c) Editorial Boards:

- Dr Vanitha Shenoy (Executive Board– Journal of contemporary dentistry)
- Dr Sumanthini (Assistant Editor – Journal of contemporary dentistry)
Review board in national journals
- Dr Janani Balachandran - International journal of biomedical sciences

c) Any other : none.

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

- Total: 52

28. Student projects

percentage of students who have taken up in-house projects including inter-departmental projects—

- UG Projects – 10%
- PG Projects - 100%

Percentage of students doing projects in collaboration with other universities / industry / institute. 80%

29. Awards / recognitions received at the national and international level by

- **Faculty**

- 1. Dr. Janani Balachandran** - Received Best scientific paper at 23rd Indian Society for Dental Research (ISDR) on the research topic- “Calcium release from a novel Bioactive bone cement- An in vitro study” held at Chettinad Health City, Chennai on 8th January 2011.
- 2. Dr. Janani Balachandran** - Received Best scientific paper at 26th Federation of Operative Dentistry (FODI) and 19th Indian Endodontic Society on the research topic- “The inverse association - Caries and Periodontitis” held at Manekshaw Convention Centre, New Delhi on 11th November 2011.
- 3. Dr. Jayeeta Verma** - **1st prize** in poster presentation on the topic – “Friends for life probiotics in caries management” at 26th FODI and 19th IES national conference, New Delhi. 13th Nov 2011
- 4. Dr. Jayeeta Verma** - **2nd prize** in paper presentation on the topic at “Teledentistry seeing doctor from distance” intracollege fest (Dr. D Y Patil dental college, Navi Mumbai) Feb 2011.
- 5. Dr. Jayeeta Verma** - **1st prize** in paper presentation on the topic – “Back to the back” at 1st Endomeet at Nagpur 26th Feb 2012.
- 6. Dr. Jayeeta Verma** - **1st prize** in paper presentation on the topic at “Ergonomics for dentist” Dentovision intercollege fest (Dr. D Y Patil dental college, Navi Mumbai) 22nd March 2012.
- 7. Dr. Jayeeta Verma** **1st prize** in poster presentation on the topic – “Mouth watering but erosive” as part of 2nd west zone PG convention, IES at Nair dental college and hospital, Mumbai. 24th Feb 2013.
- 8. Dr. Jayeeta Verma** **2nd prize** in paper presentation on the topic at intracollege fest (Dr. D Y Patil dental college, Navi Mumbai) Feb 2013.
- 9. Dr. Jayeeta Verma** - **2nd prize** in paper presentation on the topic” Think and drink- A preliminary assessment of salivary pH before and after consumption of various beverages” at intracollege fest (Dr. D Y Patil dental college, Navi Mumbai) 26th Feb 2014.
- 10. Dr. Jayeeta Verma** - Awarded for standing first in the Dr. DY Patil University in the subject of conservative dentistry MDS, 26th March 2015

- **Students:**

1. **Dr. Rithima Sokhi** - 2nd prize in poster presentation on the topic- “An ideal irrigant” in All India Post graduate dental student convention IDA Pune. 20th Aug 2011.
2. **Dr. Rithima Sokhi** - 1st prize in paper presentation on the topic – “Coronal fragment reattachment”, CDE on esthetic kaleidoscope - A clinical perspective at MGM Dental college. 5th July 2012
3. **Mohit Bodhwani** - 1st prize in the session on Paper presentation on the topic- “MTA apexification using calcium hydroxide as an apical barriers:A case report” as part of 2nd west zone PG convention, IES at Nair dental college and hospital, Mumbai. Feb 2013

- **Doctoral / post doctoral fellows.** Nil.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Workshop

2011-12

- 1) Lecture and Hands on : “Anterior Aesthetics with Direct veneers ,Smile designing, Preparation, Layering, Finishing and Polishing for UG/PG students – at MGM dental college and hospital Navi Mumbai on 9th September 2011.

- Source of Funding (Sponsor): Self funded.
- Outstanding Participants:
 - ▶ National faculty: Dr Milind Karmalkar.
 - ▶ Resource faculty: Dr Vanitha.U.Shenoy, Dr Sumanthini M.V.
 - ▶ Number of Student Delegates: 91.

2012-13

- 1) “Advanced Endodontics” at MGM dental college and hospital Navi Mumbai for UG/PG students on 28th and 29th April 2012.

- Source of Funding (Sponsor): Self funded.
- Outstanding Participants:
 - ▶ National faculty: Dr.Nandana patil.
 - ▶ Resource faculty: Dr. Vanitha.U.Shenoy, Dr. Sumanthini M.V, Dr. Anuradha Patil
 - ▶ Number of Student Delegates: 43

- 2) Break throughs in Endodontics in Endodontics- 2 day Hands On Seminar for UG/ PG students at MGM dental college and hospital Navi Mumbai, on 12th and 13th may 2012.

- Source of Funding (Sponsor): Densply
- Outstanding Participants:
 - ▶ National faculty: Dr. Nandana Patil
 - ▶ Resource faculty: Dr Vanitha, U. Shenoy, Dr Sumanthini M.V, Dr. Anuradha Patil
 - ▶ Number of Student Delegates: Lecture : 11, Hands-on : 16

- 3) Aesthetic Dentistry and Dental Photography lecture on 21st Aug 2012 for UG/PG students at MGM dental college and hospital Navi Mumbai.

- Source of Funding (Sponsor): Self funded
- Outstanding Participants:
 - ▶ National faculty: Dr. Pankaj Maheswari
 - ▶ Resource faculty: Dr. Vanitha U. Shenoy, Dr. Sumanthini M.V., Dr. Anuradha Patil
 - ▶ Number of Student Delegates: 35

2014-15

1) “Basics of Rotary endodontics and obturation techniques” lecture cum hands on workshop for UG/PG students at MGM dental college and hospital Navi Mumbai on 16/10/2014.

- Source of Funding (Sponsor): Self funded.
- Outstanding Participants:
 - ▶ National faculty: Dr. P. D. Joshi
 - ▶ Resource faculty: Dr Vanitha.U. Shenoy, Dr Sumanthini M.V, Dr Anuradha Patil
 - ▶ Number of Student Delegates: Lecture: 34, Hands- on: 36

2) Advances in Adhesive Dentistry from lecture cum hands-on workshop for UG/ PG students at MGM dental college and hospital Navi Mumbai on 29/7/2015.

- Source of Funding (Sponsor): 3MESPE
- Outstanding Participants:
 - ▶ National faculty: Dr. Pallavi patil
 - ▶ Resource faculty: Dr. Vanitha, U. Shenoy, Dr. Sumanthini M.V, Dr. Anuradha Patil, Dr. Janani Balachandran, Dr. Rithima Sokhi, Dr. Jayeetha Verma.
 - ▶ Number of Student Delegates: 71

31. Code of ethics for research followed by the departments:

As per Institutional Ethics Review Committee MGMDCH (Refer SOP V-02 of IERC)

32. Student profile program-wise:

*Selection procedure is done by the AMUPMDC and the data related is available with the competent authority. The student profile is according to the examination conducted by the MUHS and the pass percentage is available with the department.

33. Diversity of students:

Name of the Program (refer to question no. 4)	% of students from the same university/ Board	% of students from other uni- versities/Board within the state	% of students from univer- sities/Board outside the state	% of students from other countries
BDS - 2011	91	6	2	1
BDS – 2012	88	5	4	3
BDS – 2013	91	7	1	1

BDS - 2014	97	1	2	0
MDS - 2011	0	50	50	0
MDS - 2012	100	0	0	0
MDS - 2013	50	50	0	0
MDS - 2014	50	0	50	0
MDS - 2015	100	0	0	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

- GRE : 10
- TOEFL : 10
- MPH : 1
- Total : 21

35. Student progression:

Student progression	Percentage against enrolled				
	2011	2012	2013	2014	2015
UG to PG	18 %	21 %	23 %	20 %	26 %
PG to M. Phil, DM/ M Ch/ DNB	-	-	-	-	-
PG to Ph. D.	-	-	-	-	-
Ph. D. To Post-Doctoral	-	-	-	-	-
Employed					
A) Campus selection	-	-	5%	10%	15%
B) Other than campus recruitment	100%	100%	95%	90%	85%
Entrepreneurs	-				

36. Diversity of staff: Details as per dental college office records

Percentage of faculty who are graduates	
of the same university	None
from other universities within the State	54%
from universities from other States	46%
from universities outside the country	None

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period – Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library : available

- Books
 - ▶ Total titles in departmental library - 118
 - ▶ Total books in departmental library- 118

- Journals -
 - ▶ International: 6
 - ▶ National : 4
 - ▶ Online : 15
- Total CD's - 119
- Seminars - 137

b) Internet facilities for staff and students: 03 computers with internet facility.

c) Total number of class rooms: 5

Seminar room in department - 01 Class rooms - 04

d) Class rooms with ICT facility and 'smart' class rooms: Yes 4+1

(Wi-Fi available and CD's For Lectures available in department)

e) Students' laboratories: yes

Sr. No.	Name of the lab	Number
1.	Pre Clinical Conservative Lab for IInd Year BDS	01
2.	Pre Clinical Conservative Lab for PG	01
	Total	02

f) Research laboratories: 01 (Central Lab)

39. List of doctoral, post-doctoral students and Research Associates:

a) From the host institution/university : NA

b) From other institution/ universities : NA

40. Number of post graduate students getting financial assistance from the university.

None

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Yes, need assessment exercise was undertaken before the new programs were introduced and based on the feedback from stake holders, essentiality certificate for BDS/MDS course was obtained.

42. Does the department obtain feedback from :

a) faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, the department faculty give their feedback on curriculum and teaching learning evaluation in staff meetings. Depending on the feedback suggestions are forwarded to the University Authority for further action through the College Council.

b) Students on staff, curriculum and teaching-learning-evaluation and how does

the department utilize the feedback?

Yes, Department takes feedback from students on staff, curriculum and teaching-learning evaluation. This feedback is assessed and discussed at the departmental staff meetings. The suggestions are put up to the college council and IQAC for approval to be implemented for the improvement.

c) Alumni and employers on the programs offered and how does the department utilize the feedback?

Yes, feedback is taken and suggestions analysed and forwarded to university for up gradation of curriculum.

43. List the distinguished alumni of the department (maximum 10)

UG Students

- Dr. Trupti Sarode is Research assistant at University of Minnesota.
- Dr. Harsh Sharma, Lecturer, Lomalinda, USA.
- Dr. Prajakta Shanbhag is Research Assistant at the Dept. of Research and Nursing at University of Colorado, Denver, USA.
- Dr. Juveria Sayyad is pursuing her post graduate studies in united states of America.
- Dr. Kishor Chindam has completed his MBA degree from the IIM , Trichi and is currently working with Carestream.
- Dr. Prashant Poplai is working in “Spreading Smiles” In North California.
- Dr. Deesha Majithia is “MAS” Manager at Global Health And Human Services in British, Colombia.
- Dr. Harish Konar is Manager, Medical Analyst, IKS, Powai.
- Dr. Zita Antoa is HR Manager and Recruitment, My Dentist, Mumbai.

PG Students

- Dr. Shikha Gulati placed as lecturer at Swami Devi Dayal Dental College, Panchkula.
- Dr. Rithima Sokhi placed as lecturer at MGM Dental College and Hospital.
- Dr. Mohit Bodhwani placed as lecturer at MGM Dental College and Hospital.
- Dr. Abbas Unwala is in private practice.

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.:

Total programs conducted - 13

Special Lectures

2011-12

- 1) **Lecture and hands on course:** A classic approach to clinical endodontics at MGM dental college and hospital Navi Mumbai on 4th-6th August 2011

External experts - Dr. Nandana Patil.

2012-13

- 1) **Lecture:** “Regeneration and innovations in Endodontics” on 15th March 2012 at MGM dental college and hospital Navi Mumbai.

External experts - Dr. Avina Paranjpe (International faculty).

June 2013-14

- 1) Self Adjusting File: Recent introduction to endodontic practice on the 13th Nov 2013 at MGM dental college and hospital Navi Mumbai.

External experts: Dr. Zvi Metzger (International faculty).

2014-15

- 1) Aesthetic dentistry and update on the 7th Aug 2015 at MGM dental college and hospital Navi Mumbai.

External experts - Dr. Pankaj Maheshwari

- 2) Composite Laminates from Colgate , lecture at MGM dental college and hospital Navi Mumbai on 07/09/2015.

External experts - Dr. Roshan Shetty

- 3) Updates in Adhesive and Restorative Dentistry from 3MESPE lecture at MGM dental college and hospital Navi Mumbai on 1/7/2015.

External experts - Dr. Pallavi Patil

- 4) Simplifying endo with single NiTi files system preparation and single cone obturation with the new MTA sealer , lecture at MGM dental college and hospital Navi Mumbai on 1/7/2015 .

External experts - Dr. Chris Chen (International faculty)

Workshops

2011-12

- 1) Lecture and Hands on : “Anterior Aesthetics with Direct veneers, Smile designing, Preparation, Layering, Finishing and Polishing at MGM dental college and hospital Navi Mumbai on 9th September 2011.

External experts - Dr. Milind Karmalkar

2012-13

- 1) “Advanced Endodontics” at MGM dental college and hospital Navi Mumbai on 28th and 29th April 2012.

External experts - Dr. Nandana patil

- 2) Break throughs in Endodontics in Endodontics- 2 day Hands On at MGM dental college and hospital Navi Mumbai, on 12th and 13th May 2012.

External experts - Dr. Nandana Patil

2014-15

- 1) “Basics of Rotary endodontics and obturation techniques” lecture cum hands on workshop at MGM dental college and hospital Navi Mumbai on 16/10/2014.

External experts - Dr. P.D. Joshi

- 2) Advances in Adhesive Dentistry from 3MESPE lecture cum hands-on workshop at MGM dental college and hospital Navi Mumbai on 29/7/2015

External experts - Dr. Pallavi Patil

Seminars

2012-13

- 1) Aesthetic Dentistry and Dental Photography lecture on 21st Aug 2012 at MGM dental college and hospital Navi Mumbai.

External experts - Dr. Pankaj Maheswari

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

Under graduate students:

- Power point Teaching.
- Micro-teaching.
- SOP's.
- Tutorials.
- Seminars.
- Revision class.

Post graduate students:

- Case based discussions.
- Chair side clinical discussion.
- Seminars.
- Journal Clubs.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

UG:

- Periodic Internal Assessment, feedback is collected after every lecture and at the end of the term.

- Post end exams at the end of the clinical posting to assess patient management skills.
- Projects undertaken on specific topics with specific learning objectives for better understanding of a subject.
- Spotter identification and description.
- Encourage them to participate and present papers in various conferences.
- Innovative teaching methods.
- Seminars are presented by the students.
- Formative and summative methods of evaluation for students are done.

PG:

- Article reading and journal club.
- Seminar presentations.
- Spotter identification and description.
- Comprehensive treatment planning and execution under supervision of complicated special endodontic cases, full mouth rehabilitations etc.
- Reflective learning, peer assisted learning, evidence based learning, problem based learning, OSCE, OSPE.

47. Highlight the participation of students and faculty in extension activities.

Students regularly participate in:

- Anti-tobacco day.
- Swachha Bharat Abhiyan.
- CDE programs and conferences.
- Paper and poster presentations in conference.
- Inter and intra college cultural and sports activities.
- Regular Visits to peripheral Primary health Center.
- Conduct street shows to spread awareness on health issues like use of tobacco, smoking, poor oral hygiene practices.
- Regularly participate in treatment camps at rehabilitation centers with geriatric patients, HIV patients and homeless children.
- Rural health care centre.
- Tree Plantation.

48. Give details of “beyond syllabus scholarly activities” of the department.

For undergraduate students:

- White coat ceremony
- Charts

- Posters
- Models
- Quiz

For PG students:

- Department conducts regular hands on sessions for Post graduate students by renowned national and international faculty.
- Photography insight.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

Yes, recognized by MUHS and DCI.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Research in materials to generate new knowledge in their application for treatment to patients.
- Eminent speakers are invited to speak on recent advances in techniques and Hands on workshops to apply the new knowledge assimilated for enhancing patient treatment.
- By holding interdepartmental meetings to enhance the integrated learning and application of knowledge.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Well trained staff members.
- Attachment to a well established medical college and hospital with attached postgraduate and super specialities.
- New teaching modalities like microscopes, loupes, ultrasonics, apex locators, rotary systems are used to train the post graduate students to aid in understanding the basics and pathologies of root canal system.
- Good infrastructure and spacious work places with ample material to carry out variety of treatment procedures.
- Well stocked and maintained departmental library.
- Digitalized patient records with x- rays maintenance.

Opportunities

- Undergraduates are made to attend academic meetings and are guided to make scientific presentations.

- Potential for staff to undertake research projects and apply for grants.
- Learning facilities are extended to faculty and students from various institutes.
- Scope within the campus for research activity.
- Opportunity for staff to pursue PhD as students and guides.

Weakness

- To increase research activities and publications.
- To establish adequate collaborations with other institutions and universities.
- Simulator labs.
- Upgrading to newer technology like CBCT.
- No Government funded program.

Challenges:

- Getting clinical faculty oriented into research.
- PhD recognition.
- Getting funds for research.
- To establish collaborations with various institutes for endodontic and restorative work to conduct multicentre clinical research activity.
- To organize postgraduate forums at national and international level.

52. Future plans of the Department:

- Furthering research in the use of stem cells for regenerative endodontic treatment.
- To setup a state of the art microsurgery centre.
- To establish hard/soft tissue Laser labs in both restorative and endodontic cases and train the students/staff members in its applications.
- Introduce and conduct national and international level postgraduate forums to provide a platform to augment and update knowledge amongst faculty and post graduates.
- Incorporating exchange programs with national and international institutions of reputation to expand the knowledge and polish the skills of the faculty and post graduates.
- To practice Minimal Invasive Dentistry and Microsurgery.

Evaluative Report of the Department

1. **Name of the Department:** Oral and Maxillofacial Surgery
2. **Year of establishment:** 2003
3. **Is the Department part of college/ faculty of the university?**
Yes.
4. **Name of programs offered (UG, PG, Pharm D, Integrated Masters, M. Phil., Ph.D., Integrated Ph. D., Certificate, Diploma, PG Diploma, D. M. /M. Ch., Super specialty fellowship, etc.):**
 - Under Graduate - Bachelor of Dental Surgery (B.D.S),
 - Post Graduate – Master of Dental Surgery (M. D. S),
 - PG Diploma in Oral and Maxillofacial Surgery and Oral Implantology
5. **Interdisciplinary programs and departments involved:**

Departments involved in interdisciplinary programs are:

Prosthodontics, Conservative Dentistry, Pedodontics, Oral Medicine and Radiology, Orthodontics and Dentofacial orthopaedics, Community Dentistry, Periodontics and Dental Anatomy and Oral Histology, Oral Pathology and Microbiology.

Medical Specialties: General Anatomy, Physiology, Biochemistry, Pharmacology, General Pathology and Microbiology, General medicine and General Surgery. Neurosurgery, Casualty/ Emergency, General Medicine, General Surgery, Ophthalmology, General Anaesthesia, ENT, Orthopaedic.
6. **Courses in collaboration with other universities, industries, foreign institution, etc.:**
None
7. **Details of programs discontinued, if any, with reasons:** None
8. **Examination system: Annual/ Semester/ Trimester/ Choice Based Credit System:**

Semester system: for Fourth BDS second semester.

Annual system: for MDS and PG Diploma in Oral and Maxillofacial Surgery.
9. **Participation of the department in the courses offered by other departments:**
Yes.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/ Asst. Professors/ Others)

	DCI requirement	Sanctioned	Filledand Actual
Professor	02	02	02
Associate Professor/ Reader	05	05	05
Lecturer	02	02	02
Tutor/ Clinical Instructor	02	02	02
Total	11	11	11

11. Faculty profile with name, qualification, designation, area of specialisation, experience and research under guidance :

Name	Qualification	Designation	Specialisation	No. of years of experience	Research under guidance
Dr. Jyotsna S. Galinde	BDS, MDS	Professor and HOD	Oral Surgery	31 yrs 11mths	6
Dr. Srivalli Natarajan	BDS, MDS	Professor	Oral Surgery	18 yrs 03 mths	6
Dr. Usha Asnani	BDS, MDS	Professor/ Reader	Oral Surgery	18yrs 07mths	-
Dr. Sunil Sidana	BDS, MDS	Professor/ Reader	Oral Surgery	08yrs 11mths	-
Dr. Imran Khalid	BDS, MDS	Reader	Oral Surgery	08yrs 1mths	-
Dr. Sushrut Vaidya	BDS, MDS	Reader	Oral Surgery	09yrs 02mths	-
Dr. Sagar Vaishampayan	BDS, MDS	Reader	Oral Surgery	05yrs 03mths	-
Dr. Kartik Poonja	BDS, MDS	Lecturer	Oral Surgery	05yrs 04mths	-
Dr. Adil Gande- vivala	BDS, MDS	Lecturer/ Tutor	Oral Surgery	02yrs 10mths	-
Dr. Gaurav Deshpande	BDS, MDS	Lecturer	Oral Surgery	01yrs 07mths	-
Dr. Shailesh Kokal	BDS, MDS	Lecturer/ Tutor	Oral Surgery	01yrs 10mths	-

12. List of senior visiting fellows, adjunct faculty, emeritus professors

Professor Emeritus : Prof. Dr. J.N. Khanna

Visiting Faculty : Dr. Maninder Singh Setia

Adjunct/Guest Faculty : Dr. Anita Borges, Dr. Bhavin Jankharia, Dr. Mehul Bhansali

13. Percentage of classes taken by temporary faculty - program wise information:

We don't have any temporary faculty.

14. Program wise student teacher ratio:

Program	Student Teacher Ratio
BDS	9:1
PG Diploma	1:1
MDS	1:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Staff	Sanctioned	Filled	Actual
Clerk	01	01	01
O. T. Assistant	01	01	01
Ward Boy	01	01	01
Nurse	03	03	03
Total	06	06	06

16. Research thrust areas recognised by major funding agencies:

- Cleft Lip and Palate - Maaya Foundation.
- Sources of Stem Cell and use in regeneration -National Institute for Research in Reproductive Health (NIRRH) .

17. Number of faculty with ongoing projects from National b) international funding agencies and c) total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Number of faculty with ongoing projects – 04

Sr.	Title of project	Name of faculty	Funding agency	Grants received
1	Incidence of airway compromise in patients with head, face and neck injuries	Dr. Srivalli Natrajan	MGM Trust	Rs. 10,000/-
2	Incidence of neurosensory deficits following third molar surgeries	Dr. Usha Asnani	MGM Trust	Rs. 10,000/-
3	A critical evaluation of tooth auto-transplantation	Dr. Sunil Sidana	MGM Trust	Rs. 10,000/-
4	Comparative evaluation of hemodynamic changes in normotensive and hypertensive patients undergoing extraction under 2% lignocaine and 1:2,00,000 adrenaline – a single blind study	Dr. Srivalli Natarajan	MGM Trust	Rs. 10,000/-

Funded Research Projects: Maaya Foundation-01

18. Inter-institutional collaborative projects and associated grants received

a) National Collaboration b) International collaboration:

a) National Collaboration:

- i. Identification and characterization of stem cells from pulp of human third molars and exfoliated deciduous teeth - **National Institute for Research in Reproductive Health (NIRRH)**
- ii. Reconstruction by regeneration with **Regenerative Medical Services Pvt. Ltd.**
- iii. Comparative Evaluation Of Delta Plates And Conventional Miniplates For Internal Fixation Of Mandibular Condylar Fractures In Adults with **Orthomax Manufacturing Pvt. Ltd.**
- iv. Comparative evaluation between conventional and locking mini plates in the treatment of mandibular fractures with **AK Surgical Pvt. Ltd.**
- v. Evaluation of the hemostatic efficacy of ferracrylum solution (1%) in major head and neck surgery with **Themis Pharmaceuticals.**
- vi. Comparative evaluation of efficacy of manual dermabrasion and CO2 laser resurfacing in the management of head and neck rhytides - **Shanghai Pvt. Ltd**

Total Grants received from funding agencies – Rs. 3,00,000/-

a) International collaboration: Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/ CAS, DPE; DBT, ICSR, AICTE, etc.; total grants received.

Maaya Foundation:

Procedure	Amount
Cleft lip and palate single intervention	Rs. 18500
Cleft lip and palate double intervention	Rs. 25000
Maxillofacial (Orthognathic)	Rs. 31000
Craniofacial	Rs. 95000

20. Research facility/ centre with:

- **State recognition:** Yes
- **National recognition:** Yes
- **International recognition:** Nil

21. Special research laboratories sponsored by/ created by industry or corporate bodies: Nil

22. Publications:

* **Number of papers published in peer reviewed journals**

(National/ International): Total - 93

Number of national publications – 69

Number of international publications – 24

(Details of publications are available in the department)

* **Monographs:** Nil

* **Chapters in books:** 01

Pantvaidya GH, Vaidya A, Vaishampayan S. Face and Jaws. In: John S.P Lumley, Anil K. D'Cruz, Jamal J. Hoballah, Carol E.H. Scott-Connor. Hamilton Bailey's Physical Signs: Demonstrations of Physical Signs in Clinical Surgery. 19th ed. United States: CRC Press; 2016. ISBN 9781444169188 - CAT# K17518; Publisher: CRC Press

* **Books edited:** Nil

* **Book with ISBN with details of publishers:** 9781444169188 - CAT# K17518; Publisher: CRC Press

* **Number listed in international database (For e.g. Web of science, Scopus, humanities International Complete, Dare Database – international social sciences Directory, EBSCO host, Mediline etc.):** 60

* **Citation Index- range/ average -** 0 – 3.7 / 0.99

* **SNIP (Source Normalized Impact per Paper):** 15 Articles

Range of Scores: 0.227 – 1.973 Averages: 1.057

* **SJR (SCImago Journal Rank):** 15 Articles

Range: 0.143 – 1.57; Average: 0.723

* **Impact factor – range/average:** 15 Articles

Range: 0.164 – 2.923; Average: 1.529

* **h-Index range:** 1 to 4; Average : 2

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generated:

- Consultancy given to the maxillofacial patients from the outside hospital.
- Orthomax Manufacturing Pvt. Ltd. for Comparative Evaluation of Delta Plates and Conventional Miniplates for Internal Fixation of Mandibular Condylar Fractures in Adults.
- AK Surgical Pvt. Ltd. for comparative evaluation of locking and conventional mini plates in the treatment of mandibular fractures.
- Themis Pharmaceuticals for evaluation of hemostatic efficacy of 1% ferracrylum

in major head and neck surgery.

- Shanghai Pvt. Ltd for comparative evaluation of efficacy of manual dermabrasion and CO2 laser resurfacing in the management of head and neck rhytides.
- Consultancies are provided free of cost.

25. Faculty selected nationally/ internationally to visit other laboratories/ institutions/ industries in India and abroad:

International :

- i) Prof. Dr. J. N. Khanna

National :

- i) Dr. J. S. Galinde
- ii) Dr. Srivalli Natarajan
- iii) Dr. Usha Asnani

26. Faculty serving in:

a) National Committees :

Dr. J. S. Galinde:

- Member, Committee of Ministry of Health and Family Welfare to review of the Dentist Act, 1948 and restructuring of Dental Council of India.
- Executive Board, Journal of Contemporary Dentistry.
- Advisory Board, Annals of Maxillofacial Surgery
- Advisory Board, Indian Academy of Maxillofacial Surgery
- Member, Board of Studies, MGM Institute of Health Sciences

Dr. Srivalli Natrajan:

- Executive Board, Journal of Contemporary Dentistry.
- Advisory Board, Annals of Maxillofacial Surgery
- Zonal Coordinator, Indian Academy of Maxillofacial Surgery
- Member, Board of Studies, MGM Institute of Health Sciences

Prof. Dr. J. N. Khanna:

- Chairman, Indian Academy of Maxillofacial Surgery

b) International committees: Nil

c) Editorial boards:

Dr. Sunil Sidana:

- Assistant Editor, Journal of Contemporary Dentistry.

27. Faculty recharging strategies (Refresher/ orientation programs, workshops, training programs and similar programs) :

- Total : 61

28. Students projects:

- Percentage of students who have taken up in-house including inter-departmental projects:
 - ▶ UG – 10%
 - ▶ PG – 100%
- Percentage of students doing project in collaboration with other universities/ industry/ institute: 40%

29. Awards/ recognitions received at the national and international level by

A) Faculty:

a) Prof. Dr. J. N. Khanna:

- Presidents' award for contribution to the speciality from Honorable President of India Mrs. Pratiba Patil.

b) Dr. Jyotsna Galinde:

- University Merit Scholarship by Bombay University during the M.D.S course.
- National Merit Scholarship Award by the Government of India.
- “Out Standing Teacher” by Nair Dental College and Hospital, Mumbai for rendering meritorious services as an in Oral and Maxillofacial Surgery.

c) Dr. Srivalli Natarajan:

- Colgate Gold Medal 1991 - In recognition of the performance in B.D.S degree examination, from the University of Madras.
- Dr. Mathias Gold Medal - Best outgoing student in the B.D.S Program, awarded by Tamil Nadu Government Dental College and Hospital, Madras.
- Dr. Koka Anjan endowment prize - for having secured the highest marks in Operative Dental Surgery in the final year B.D.S program.

d) Dr. Usha Asnani:

- Best overall performance in final BDS exam, 1986

e) Dr. Gaurav Deshpande:

- Silver medal, MUHS Final MDS Examination.

f) Dr. Adil Gandevivala

- Award for best scientific paper titled “Alginate in the sinus” at 61st IDC, Mangalore.
- Award for best scientific paper titled “Free flaps in Head and Neck Reconstruction” at All India PG Dental Student Convention organised by IDA, Pune

g) Dr. Shailesh Kokal

- 2nd prize for paper presentation on Dimpleplasty at GDC Mumbai.

B) Doctoral/ post doctoral fellows: Nil

C) Students:

- Dr. Alok Bharadwaj , 1st Prize Winner for paper presentation “Mucor mycosis a rare case report” at 2nd All India PG Convention, Sinhgad DCH, Pune, conducted by IDA, 19th -21st Aug, 2011.
- Dr. Amruta Bahekar received Gold Medal in Diploma Course 2014.
- Dr. Radhika Ramaswami received medal for standing third in the MUHS.
- Dr. Suraj Ahuja, 1st Prize for Poster Presentation on “Difficult Airway” at MaGnuM 2015, MGM DCH, Kamothe, Navi Mumbai.
- Dr. Yusuf Mistry, 1st Prize for Poster Presentation on “Lower lip myiasis” at 7th International Workshop on OSA 2015, MGM DCH, Kamothe, Navi Mumbai.
- Dr. Suraj Ahuja, 1st Prize for Paper Presentation on “Rhinocerebral mucormycosis” at 7th International Workshop on OSA 2015, MGM DCH, Kamothe, Navi Mumbai.

30. Seminars/ Conference/ Workshops organised and the source of funding (National/ International) with details of outstanding participants, if any.

2011 – 12

a) Hands-on course on “Basic Suturing Techniques” for UG and PG Students on 23rd June, 2011

Source of Funding (Sponsor): Johnson and Johnson Pvt. Ltd.

Outstanding Participants:

- Resource Persons:
Dr. Sunil Sidana, Dr. Jyotsna Galinde, Dr. N. Srivalli, Dr. Usha Asnani,
Dr. Sushrut Vaidya, Dr. Imran Khalid, Dr. Gaurav Deshpande.
- Number of Student Delegates: 60

b) 4th National Workshop on “Contemporary Oral and Maxillofacial Surgery” for Post Graduate Students in Oral and Maxillofacial Surgery 18th -20th November, 2011.

Source of Funding (Sponsor): MGM Management

Outstanding Participants:

- National Faculty: Dr. Dinesh Daftary, Dr. J. N. Khanna, Dr. Anita Borges, Dr. Bhavin Jhankaria, Dr. Anagha Joshi, Dr. Vinod Kapoor, Dr. Sherry Peter, Dr. Rajesh Dhirawani, Dr. Rajiv Borle, Dr. S. M. Balaji, Dr. Jyotsna Galinde, Dr. Kiran Gadre, Dr. Vimal Kalia, Dr. Girish Rao, Dr. N. Srivalli, Dr. Mukund Jagannathan, Dr. Dinesh Jain, Dr. Neelima Malik, Dr. Suhas Vaze, Dr. Vasant Shewale, Dr. Mahendra Agarwal, Dr. Shaila Agarwal, Dr. Neelam Andrade, Dr. Ramakrishna Shenoi, Dr. Dwarka Advani, Dr. Seem Majumdar, Dr. Nitin Bhola, Dr. L. Tuteja.
- Resource Persons : Dr. Jyotsna Galinde, Dr. N. Srivalli, Dr. Usha Asnani, Dr. Sushrut Vaidya, Dr. Sunil Sidana, Dr. Imran Khalid, Dr. Gaurav Deshpande, Dr. Kartik Poonja.

- **Number of Student Delegates: 55**

2012 – 13

c) Hands-on course on “Basic Suturing Techniques” for UG and PG Students on 12th, 13th Sept, 2012

Source of Funding (Sponsor): Johnson and Johnson Pvt. Ltd.

Outstanding Participants:

- Faculty: Dr. Chaphekar, Dr. Sunil Sidana
- Number of Student Delegates: 90

d) 5th National Workshop on “Changing Trends in Oral and Maxillofacial Surgery” for Post Graduate Students in Oral and Maxillofacial Surgery, 19th-21st October, 2012.

Source of Funding (Sponsor): MGM Management

Outstanding Participants:

- **International Faculty :**

Dr. Mark Schoemann- Medical Director, Plastic Surgery, Operation Smile, Guwahati.

- **National Faculty:**

Prof. Dr. J. N. Khanna, Dr. Vinod Kapoor, Dr. Kiran Gadre, Dr. Rajesh Dhirawani, Dr. Cariappa, Dr. K. R. Sivashankar, Dr. Mukund Jagannathan, Dr. Srivalli Natarajan, Dr. Supreeta Arya, Dr. Deepa Nair, Dr. P. N. Awasthi, Dr. Gaurav Deshpande, Dr. Mark Schoemann, Dr. S. M. Kotrashetti, Dr. Gosla Reddy, Dr. Rajiv Borle, Dr. Prabha Yadav, Dr. Vimal Kalia, Dr. Mukula Padhye, Dr. Jyotsna Galinde, Dr. Prabha Yadav, Dr. Pankaj Chaturvedi, Dr. Anita Borges, Dr. Sunil Sidana, Dr. Kalpana Sarangi, Dr. Jitesh Shetty.

- **Resource Persons:**

Dr. Jyotsna Galinde, Dr. N. Srivalli, Dr. Usha Asnani, Dr. Sushrut Vaidya, Dr. Sunil Sidana, Dr. Imran Khalid, Dr. Sagar Vaishampayan, Dr. Kartik Poonja, Dr. Adil Gandeivala.

- **Number of Student Delegates : 96**

2013 – 14

e) Two days Hands-on program on “Basic Suturing Techniques” was organized for the Interns and PG on 20th, 21st June 2013.

Source of Funding (Sponsor): Johnson and Johnson Pvt. Ltd.

Outstanding Participants:

- **Faculty: Dr. Chaphekar**

- **Resource Persons:**

Dr. Jyotsna Galinde, Dr. N. Srivalli, Dr. Usha Asnani, Dr. Sushrut Vaidya, Dr. Sunil Sidana, Dr. Imran Khalid, Dr. Sagar Vaishampayan, Dr. Kartik Poonja

- **Number of Student Delegates: 105**

f) A lecture on “Conscious Sedation” and Hands-on on “Administration of conscious sedation” for Interns and PG Students on 22nd October 2013.

Source of Funding (Sponsor): MGM Management

Outstanding Participants:

- **Guest Faculty:**

Dr. Pramod Kulkarni (Anesthetist)

Dr. Madan Deshpande (Dental Surgeon)

- **Resource Person:** Dr. Jyotsna S. Galinde, Dr. N. Srivalli, Dr. Usha Asnani, Dr. Sunil Sidana, Dr. Imran Khalid, Dr. Sushrut Vaidya, Dr. Sagar. S. Vaishampayan, Dr. Kartik Poonja, Dr. Adil Gandeivala.

- **Number of Student Delegates:**100.

g) 6th International Workshop and Master Course on “Maxillofacial and Craniofacial Surgery” for PG Students in Oral and Maxillofacial Surgery 19th Feb, 2014 to 23rd Feb, 2014.

Source of Funding (Sponsor): MGM Management, Cello World Pvt. Ltd., Advance Biotech Products Ltd. Chennai, Synthes Pvt Ltd

Outstanding Participants:

- **International Faculty:**

Dr. Timothy Turvey, UNC School of Dentistry, UNC Hospital, North Carolina

Dr. G. E. Ghali, Louisiana State University Health Sciences – Shreveport, Louisiana

Dr. Melvyn Yeoh, Louisiana State University Health Sciences– Shreveport, Louisiana

- **National Faculty:**

Dr. J. N. Khanna, Dr. Jyotsna Galinde, Dr. Anita Borges, Dr. Dinesh Daftary, Dr. Bhavin Jankharia, Dr. Anagha Joshi, Dr. Vijayalakshmi Kotrashetti, Dr. Vasant Shewale, Dr. Deepak Kulkarni, Dr. Rajesh Dhirwani, Dr. Srivalli Natarajan, Dr. Gopal Krishnan, Dr. Tejraj Kale, Dr. Vikas Dhupar, Dr. S. M. Kotrashetti, Dr. Gosla Reddy, Dr. Nitin Bhola, Dr. Rajiv Borle, Dr. Abhay Datarkar, Dr. Srivatsa, Dr. Kiran Gadre, Dr. Ashok Dabir, Dr. Dharendra Srivastava, Dr. S. M. Balaji, Dr. Sunil Sidana, Dr. Vimal Kalia, Dr. Chitra Chakravarthy, Dr. Mukul Padhye

- **Resource Persons:**

Dr. Jyotsna Galinde, Dr. N. Srivalli, Dr. Usha Asnani, Dr. Sushrut Vaidya, Dr. Sunil Sidana, Dr. Imran Khalid, Dr. Sagar Vaishampayan, Dr. Kartik Poonja, Dr. Adil Gandeivala, Dr. Shailesh Kokal

- **Number of Student Delegates:** 89

h) Two days Hands-on program on “Basic Suturing Techniques” was organized for the Interns and PG on 24th March, 2014.

Source of Funding (Sponsor): Johnson and Johnson Pvt. Ltd.

Outstanding Participants:

- **Faculty:** Dr. Chaphekar,
- **Resource Persons:**
- Dr. Jyotsna Galinde, Dr. N. Srivalli, Dr. Usha Asnani, Dr.Sushrut Vaidya, Dr. Sunil Sidana, Dr. Imran Khalid, Dr. Sagar Vaishampayan, Dr. Kartik Poonja
- **Number of Student Delegates:**100

2014 – 15

i) Hands-on program on “Basic Suturing Techniques” was organized for the Interns and PG on 15th May, 2015.

Source of Funding (Sponsor): Johnson and Johnson Pvt. Ltd.

Outstanding Participants:

- **Faculty:** Dr. Chaphekar,
- **Resource Persons:**
- Dr. Jyotsna Galinde, Dr. N. Srivalli, Dr. Usha Asnani, Dr.Sushrut Vaidya, Dr. Sunil Sidana, Dr. Imran Khalid, Dr. Sagar Vaishampayan, Dr. Kartik Poonja
- **Number of Student Delegates:** 100

j) AOCMF Course—Principles in Craniomaxillofacial Fracture Management 4-6 September, 2015.

Source of Funding (Sponsor): AOCMF

Outstanding Participants: Hamed A l- Bargi, Jingang An, Mirta Reksodiputro, Dr. J. N. Khanna and Dr. Samir Kumta

k) 7th International workshop on Obstructive Sleep Apnea – 17th and 18th November 2015.

Source of funding: Stryker.

- **Faculty:** Prof. G. E. Ghali, lousiana state university, USA; Dr. Melvyn Yeoh, LSU, USA, Prof J.N. Khanna, Dr. J. S. Galinde, Dr. N. Srivalli, Dr. S.M. Balaji, Dr. Gosla Srinivas Reddy, Dr. Adwani, Dr. Seema Mazumdar, Dr. Nanada Pai , Dr. Usha Asnani, Dr. Sunil Sidana, Dr. Sagar Vaishampayan.

31. Code of ethics for research followed by the departments:

As per Institutional Ethics Review Committee MGMDCH (Refer SOP V-02 of IERC).

32. Students profile program-wise:

Selection process is done by AMUPMDC and data related to it is available with competent authorities.

The student profile is according to the examination conducted by the MUHS and the pass percentage is available with the department.

33. Diversity of students:

Name of the program (refer to question no.4)	% of students from the same university/ Board	% of students from other universities within the state/ Board	% of students from universities outside the state/ Board	% of students from other countries
BDS-2011	91	6	2	1
BDS-2012	88	4	4	3
BDS-2013	91	7	1	1
BDS-2014	97	1	2	0
MDS-2011	46	38	15	0
MDS-2012	81	6	12	0
MDS-2013	62	18	18	0
MDS-2014	77	11	11	0
MDS-2015	77	11	11	0
PG Diploma-2011	100	0	0	0
PG Diploma-2012	100	0	0	0
PG Diploma-2013	50	50	0	0
PG Diploma-2014	100	0	0	0

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category wise.

- GRE – 10
- TOEFL – 10
- MPH – 01
- Total –21

35. Student progression:

Student progression	Percentage against enrolled				
	2011	2012	2013	2014	2015
UG to PG	18 %	21 %	23 %	20 %	26 %
PG to M. Phil, DM/ M Ch/ DNB	-	-	-	-	-
PG to Ph. D.	-	-	-	-	-
Ph. D. To Post-Doctoral	-	-	-	-	-
Employed					
A) Campus selection	-	-	05%	10%	15%
B) Other than campus recruitment	100%	100%	95%	90%	85%
Entrepreneurs	-				

36. Diversity of staff :

Percentage of faculty who are graduates	
of the same university	25%
from other universities within the state	50%
from universities from other states	25%
from universities outside the country	NIL

37. Number of faculty who were awarded M. Phil., DM, M. Ch., Ph. D., D. Sc., and D. Litt. During the assessment period.: Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library

- Number of books in Department Library: 153
- Number of Journals :
 - ▶ International – 15
 - ▶ National – 05
 - ▶ Online – 15
 - ▶ Library Dissertations – 20
 - ▶ Dissertations – 35
 - ▶ CD - 120
- Internet facilities for staff and students: 03 Computers with Internet Facility
- Total number of class rooms: 04 + 1 Seminar Room in Department
- Class rooms with ICT facility and ‘smart’ class rooms: Yes 4+1 (Wi-Fi available and CD For Lectures available in department)
- Student’s laboratories: Nil
- Research Laboratories: 01 (Central Lab)

39. List of doctoral, post-doctoral students and research associates: Nil

- From the host institution/university : NA
- From other institution/ universities : NA

40. Number of post graduate students getting financial assistance from the university: None

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Yes, need assessment exercise was undertaken before the new programs were introduced and based on the feedback from stake holders, essentiality certificate for BDS/MDS course was obtained.

42. Does the department obtain feedback from

**a) Faculty on curriculum as well as teaching-learning-evaluation? Yes.
How does the department utilize the feedback?**

The department faculty give their feedback on curriculum and teaching learning evaluation in staff meetings. Depending on the feedback suggestions are forward

ed to the University Authority for further action through the College Council.

**b) Students on staff, curriculum and teaching-learning-evaluation? Yes.
How does the department utilize the feedback?**

Department takes feedback from students on staff, curriculum and teaching-learning evaluation. This feedback is assessed and discussed at the departmental staff meetings. The suggestions are put up to the college council and IQAC for approval to be implemented for the improvement.

c) Alumni and employers on the programs offered

How does the department utilize the feedback?

Yes, feedback is taken and suggestions analysed and forwarded to university for up gradation of curriculum.

43. List the distinguished alumni of the department (maximum 10):

UG STUDENTS:

- Dr. Trupti Sarode is Research assistant at University of Minnesota.
- Dr. Harsh Sharma, Lecturer, Lomalinda, USA.
- Dr. Prajakta Shanbhag is Research Assistant at the Dept. of Research and Nursing at University of Colorado, Denver, USA.
- Dr. Sahiti BLK Dental health resident at Centers for Disease Control(CDC), University of Minnesota.
- Dr. Juveria Sayyad is pursuing her post graduate studies in united states of America.
- Dr. Kishor Chindam has completed his MBA degree from the IIM , Trichi and is currently working with Carestream.
- Dr. Prashant Poplai is working in “Spreading Smiles” In North California.
- Dr. Deesha Majithia is “MAS” Manager at Global Health And Human Services in British, Colombia.
- Dr Harish Konar is Manager, Madical Analyst, IKS, Powai.
- Dr. Zita Antoa is HR Manager and Recruitment, My Dentist, Mumbai.

PG STUDENTS

- Dr. Jayesh Khivasara - Fellowship In Head and Neck Oncology – Dharamshala.
- Dr. Deepak Khanna - Fellowship In Head and Neck Oncology – Prince Ali Khan Hospital, Mumbai.
- Dr Amruta Bahekar - University topper, MUHS.
- Dr. Radhika Ramaswami - 3rd in Final MDS University Examination.

44. Give details of student enrichment programs (special lectures/ workshops/ seminar) involving external experts:

Total program conducted - 10

Workshops:

- a) Hands-on course on “Basic Suturing Techniques” for UG and PG Students on 23rd June, 2011

External Expert: Dr. Chaphekar

- b) 4th National Workshop on “Contemporary Oral and Maxillofacial Surgery” for Post Graduate Students in Oral and Maxillofacial Surgery 18th -20th November, 2011.

External Experts: Dr. Dinesh Daftary, Dr. Anita Borges, Dr. Bhavin Jhankaria, Dr. Anagha Joshi, Dr. Vinod Kapoor, Dr. Sherry Peter, Dr. Rajesh Dhirawani, Dr. Rajiv Borle, Dr. S. M. Balaji, Dr. Kiran Gadre, Dr. Vimal Kalia, Dr. Girish Rao, Dr. Mukund Jagannathan, Dr. Dinesh Jain, Dr. Neelima Malik, Dr. Suhas Vaze, Dr. Vasant Shewale, Dr. Mahendra Agarwal, Dr. Shaila Agarwal, Dr. Neelam Andrade, Dr. Ramakrishna Shenoi, Dr. Dwarka Advani, Dr. Seem Majumdar, Dr. Nitin Bhola.

- c) Hands-on course on “Basic Suturing Techniques” for UG and PG Students on 12th, 13th Sept, 2012

External Expert: Dr. Chaphekar

- d) 5th National Workshop on “Changing Trends in Oral and Maxillofacial Surgery” for Post Graduate Students in Oral and Maxillofacial Surgery, 19th-21st October, 2012.

External Expert: Dr. Mark Schoemann, Prof. Dr. J. N. Khanna, Dr. Vinod Kapoor, Dr. Kiran Gadre, Dr. Rajesh Dhirawani, Dr. Cariappa, Dr. K. R. Sivashankar, Dr. Mukund Jagannathan, Dr. Supreeta Arya, Dr. Deepa Nair, Dr. P. N. Awasthi, Dr. Gaurav Deshpande, Dr. Mark Schoemann, Dr. S. M. Kotrashetti, Dr. Gosla Reddy, Dr. Rajiv Borle, Dr. Prabha Yadav, Dr. Vimal Kalia, Dr. Mukul Padhye, Dr. Prabha Yadav, Dr. Pankaj Chaturvedi, Dr. Anita Borges, Dr. Kalpana Sarangi, Dr. Jitesh Shetty

- e) Two days Hands-on program on “Basic Suturing Techniques” was organized for the Interns and PG on 20th, 21st June 2013.

External Expert: Dr. Chaphekar

- f) A lecture on “Conscious Sedation” and Hands-on on “Administration of conscious sedation” for Interns and PG Students on 22nd October 2013.

External Expert: Dr. Pramod Kulkarni, Dr. Madan Deshpande

- g) 6th International Workshop and Master Course on “Maxillofacial and Craniofacial Surgery” for PG Students in Oral and Maxillofacial Surgery 19th Feb, 2014 to 23rd Feb, 2014.

External Expert: Dr. Timothy Turvey, Dr. G. E. Ghali, Dr. Melvyn Yeoh, Dr. J. N. Khanna, Dr. Anita Borges, Dr. Dinesh Daftary, Dr. Bhavin Jhankaria, Dr. Anagha Joshi, Dr. Vijayalakshmi Kotrashetti, Dr. Vasant Shewale, Dr. Deepak Kulkarni, Dr. Rajesh Dhirwani, Dr. Gopal Krishnan, Dr. Tejraj Kale, Dr. Vikas Dhupar, Dr. S. M. Kotrashetti, Dr. Gosla Reddy, Dr. Nitin Bhola, Dr. Rajiv Borle, Dr. Abhay Datarkar, Dr. Srivatsa, Dr. Kiran Gadre, Dr. Ashok Dabir, Dr. Dharendra Srivastava, Dr. S. M. Balaji, Dr. Vimal Kalia, Dr. Chitra Chakravarthy, Dr. Mukul Padhye

- h) Two days Hands-on program on “Basic Suturing Techniques” was organized for the Interns and PG on 24th March, 2014.

External Expert: Dr. Chaphekar

- i) Hands-on program on “Basic Suturing Techniques ” was organized for the Interns and PG on 15th May, 2015.

External Expert: Dr. Chaphekar

- j) AOCMF Course—Principles in Craniomaxillofacial Fracture Management 4-6 September, 2015.

External Expert: Hamed A l- Bargi, Jingang An, Mirta Reksodiputro, Dr. J. N. Khanna and Dr. Samir Kumta

- k) 7th International workshop on Obstructive Sleep Apnea – 17th and 18th November 2015.

External Expert: Prof. G. E. Ghali, lousiana state university, USA; Dr. Melvyn Yeoh, LSU, USA, Dr. S.M. Balaji, Dr. Gosla Srinivas Reddy, Dr. Adwani, Dr. Seema Mazumdar, Dr. Nanda Pai.

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

Under graduate students:

- Power point Teaching.
- Micro-teaching.
- SOP's.
- Tutorials.
- Seminars.
- Revision class.

Post graduate students:

- Case based discussions.
- Chair side clinical discussion.
- Seminars.
- Journal Clubs.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

UG:

- Periodic Internal Assessment, feedback is collected after every lecture and at the end of the term.
- Post end exams at the end of the clinical posting to assess patient management skills.
- Projects undertaken on specific topics with specific learning objectives for better understanding of a subject.
- Spotter identification and description.
- Encourage them to participate and present papers in various conferences.

- Innovative teaching methods.
- Seminars are presented by the students.
- Formative and summative methods of evaluation for students are done.

PG:

- Article reading and journal club.
- Spotter identification and description.
- They were also in house residents on call in General Surgery and General Medicine for 04 months each where they participate in case evaluation and diagnosis, ward procedures, emergency management, record keeping, OT posting.
- Comprehensive treatment planning and execution under supervision of major surgical cases under GA and management of complications under supervision.
- Participation in camps for imparting surgical treatment at peripheral centres, screening for precancerous lesions, cleft and craniofacial deformities and other pathologies, counselling for oral disease prevention.
- Reflective learning, peer assisted learning, evidence based learning, problem based learning, OSCE, OSPE.

47. Highlight the participation of students and faculty in extension activities.

Students regularly participate in:

- Anti-tobacco day.
- Swachha Bharat Abhiyan.
- CDE programs and conferences.
- Paper and poster presentations in conference.
- Inter and intra college cultural and sports activities.
- Regular Visits to peripheral Primary health Center.
- Conduct street shows to spread awareness on health issues like use of tobacco, smoking, poor oral hygiene practices.
- Regularly participate in treatment camps at rehabilitation centres with geriatric patients, HIV patients, homeless children, Adivasi's.
- Rural health care centre.
- Tree Plantation.

48. Give details of “beyond syllabus scholarly activities” of the department.

For undergraduate students:

- White coat ceremony
- Dale Carnegie workshop.
- Charts.
- Posters.

- Models.
- Quiz.

For PG students:

Department conducts regular hands on sessions for Post graduate students on:

- Suturing and microvascular anastomosis techniques.
- Flap dissection courses on cadavers.
- Advanced Trauma Life Support (ATLS).
- Bone plating on dry skull specimens.
- Osteotomy procedures on dry skull specimens.
- Implant – treatment planning and surgical placement on mock models.
- Orthognathic presurgical treatment planning.
- Distraction – treatment planning, simulation of osteotomy procedures on dry skull and placement of distracters, vector control.
- Radio diagnosis in oral and maxillofacial surgery with quiz competition.
- Research methodology.
- Photography insight.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

Yes, by DCI and MUHS.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Participation in clinical research in newer frontiers in this specialty like. reconstruction by regeneration, use of stem cells, minimally invasive surgeries.
- By conducting studies on clinical applications of newer implant designs and drug formulations.
- Organizing CDE's and national, international workshops with eminent speakers.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength:

- Attachment to a well established medical college and hospital with postgraduate and super specialities.
- Skilled staff with varied experience with special training for managing the entire scope of maxillofacial surgery including trauma, cleft and craniofacial surgery, TMJ afflictions, benign and malignant head and neck pathologies.
- High end state of the art equipment, instruments and other infrastructure- laser machines, endoscope, implant systems, surgical microscope, CT and MRI facilities to name a few.

- Our centre caters to many rural areas and provides economical oral health care.
- Strategically located at the intersection of major highways ensuring immediate care for head and neck trauma patients.

Weakness:

- Absence of radiotherapy and chemotherapy facilities to offer comprehensive care to the growing population of oral cancer patients.
- No tie-up with financial funding agencies for economically backward patients with serious diseases like oral cancer and panfacial trauma.
- Facilities for video conferencing and online interactions to be upgraded.
- No formal referral system and tie ups with government agencies which could enable complete outreach of the maxillofacial care facilities available in the department particularly to trauma patients.
- Less number of research collaboration.

Opportunities:

- Exposure to wide spectrum of patients with diverse maxillofacial afflictions.
- To upgrade faculty proficiency in the field of maxillofacial surgery.
- To have more health talks and education related programs.
- To provide comprehensive maxillofacial care under one roof.
- To give opportunities like short courses for PGs and staff to update their knowledge.

Challenges:

- Creating awareness in the rural population regarding oral surgery procedures.
- Formulating MOU's/ collaborations with foreign universities.
- Procuring funds for research projects.
- To involve all the faculty in research.
- Introducing a comprehensive PG programs on par with international standards.

52. Future plans of the department.

- Introducing of comprehensive post graduate courses in the subject.
- To be part of a mobile Advanced Trauma Life Support team to provide primary care at the site of accidents.
- Furthering research in the use of stem cells for regeneration.
- Incorporating exchange programs with national and international institutions of repute to broaden the knowledge and hone the skills of the faculty and post graduate skills.
- Introducing latest technologies – robotic surgery/ navigational surgery

Evaluative Report of the Department

1. **Name of the Department:** Periodontics
2. **Year of establishment:** 2003
3. **Is the Department part of a college/Faculty of the university?**
Yes.
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.):**
 - a. Undergraduate-Bachelor of Dental Surgery (BDS)
 - b. Post graduate - Master of Dental Surgery (MDS)
5. **Interdisciplinary programs and departments involved :**

Departments involved in Interdisciplinary programmes are :

Oral Medicine Diagnosis and radiology, Pedodontics, Oral and maxillofacial surgery, Prosthodontics, Oral pathology and microbiology, Conservative and Endodontics, Orthodontics, Community dentistry.

Medical specialities General anatomy, Physiology, Biochemistry, Pharmacology, General Pathology and Microbiology, General Medicine, General Surgery.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** None
7. **Details of programs discontinued, if any, with reasons:** None
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:**

Semester pattern for Fourth BDS First Semester.

Annual system for MDS.
9. **Participation of the department in the courses offered by other departments:** Yes
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	Required by DCI	Sanctioned	Filled and Actual
Professor	01	01	01
Associate Professor/Reader	02	02	02
Assistant Professor	-	-	-
Lecturer	02	03	03
Tutor / Clinical Instructor	02	03	03
Total	07	09	09

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance.

Name	Qualification	Designation	Specialization	No. of Years of Experience	Research under guidance
Dr. Ashvini Padhye	MDS	Prof. and Head	Periodontics	15 yrs, 5mths	18
Dr. Richard Pereira	MDS	Professor/Reader	Periodontics	12 yrs, 5mths	04
Dr. Vineet Kini	MDS	Professor/Reader	Periodontics	9 yrs, 9mths	07
Dr. Sachin Kanagotagi	MDS	Lecturer	Periodontics	5 yrs, 4mths	-
Dr. Manjeet Mapara	MDS	Lecturer	Periodontics	5 yrs	02
Dr. Rasika Jagtap	MDS	Lecturer	Periodontics	4yrs 10mths	-
Dr. Tushar Pathak	MDS	Lecturer	Periodontics	4 yrs, 2mths	01
Dr. Himani Gupta	MDS	Lecturer/Tutor	Periodontics	3 yrs, 2 mths	07
Dr. Sushma Bapatla	MDS	Lecturer/Tutor	Periodontics	10 mths	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Adjunct/ Guest faculty: Dr. Ajay Kakkar, Dr. Udatta Kher

Visiting faculty: Dr. Maninder Singh Setia

13. Percentage of classes taken by temporary faculty – program-wise information:

We do not have any temporary faculty.

14. Program-wise Student Teacher Ratio:

Programme	Student Teacher Ratio
BDS	9 : 1
MDS	1 : 1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

Staff	Sanctioned	Filled	Actual
Technical Staff (Hygienist)	02	02	02
Administrative Staff (Clerk)	01	01	01
Nurse	01	01	01
Total	04	04	04

16. Research thrust areas as recognized by major funding agencies: BARC and MGM Trust

- Nonsurgical Periodontics.
- Regenerative surgery.
- Implants.

17. Number of faculty with ongoing projects from

Number of faculty with ongoing projects – 05

Sr.	Title of project	Name of faculty	Funding agency	Grants received
1	Design and development of manufacturing technology for low cost indigenous dental implants	Dr. Manjeet Mapara Dr. V.K. Suri (O.S. head PED, BARC) Prof V.K. Jain (Dept. of Mechanical engineering IIT Kanpur) Dr. Narayan Khedkar	Govt. Of India Department of atomic energy, Board of Research in Nuclear Sciences.	Rs. 24,82,500
2	Comparative evaluation of surface characteristics of titanium plates treated with dual acid etch technique	Dr. Sabita Ram Dr. Ashvini Padhye Dr. Mistry (Dept. Of Chemical Engineering, MGM Engineering College)	Vide Letter No. 2012/36/13-BRNS	
3	A comparative evaluation of plaque control efficacy and toothbrush bristle wear of a commercially available charcoal infused bristle tooth brush vs nylon bristle tooth brush – a randomized clinical cross over study	Dr. Vineet Kini	MGM Trust	Rs. 10,000/-
4	Awareness of dentinal hypersensitivity among general practitioners in Mumbai	Dr. Richard Pereira	Nil	-
5	Prevalence and Pattern of Cervical Dentine Sensitivity in a population of patients at MGM Dental College, Navi Mumbai City	Dr. Richard Pereira	Nil	-

18. Inter-institutional collaborative projects and associated grants received

Collaborative projects

a. National collaboration

- IIT Mumbai for SEM analysis: 04
- BARC- For design and development of indigenous implant system: 02
- ACTREC (Kharghar) for SEM analysis and Icon (Worli) for ESEM analysis: 01
- C.U. Shah College Of Pharmacy, S.N.D.T University for procurement of material and development of local drug delivery gel: 01
- Central research laboratory MGMIHS for ELISA and spectrophotometric analysis: 05
- Department of Physiotherapy, MGM for procuring equipment to measure pinch strength: 02
- Department of Biochemistry, MGM Medical College for biochemical analysis: 01
- Department of Chemical Engineering MGMIHS for implant surface characteristic studies: 01
- Procter and Gamble to evaluate design of their toothbrush : 02

b. International collaboration-

- Awareness of dentinal hypersensitivity among general practitioners in Mumbai with Dr. David Gillam BA, BDA, MSc, DDS, Sr. Clinical Lecturer, Institute of Dentistry, Queen Mary's School of Medicine and Dentistry, London (UK).
- Prevalence and Pattern of Cervical Dentine Sensitivity in a population of patients at MGM Dental College, Navi Mumbai City with Dr. David Gillam BA, BDA, MSc, DDS, Sr. Clinical Lecturer, Institute of Dentistry, Queen Mary's School of Medicine and Dentistry, London (UK)
- Total grants : Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

- Design and development of manufacturing technology for low cost indigenous dental implants Govt. of India, Department of atomic energy, Board of Research in Nuclear Sciences - Rs.24,82,500/-

20. Research facility / centre with

- State recognition : Yes
- National recognition :Yes
- International recognition: Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil

22. Publications:

- **Number of papers published in peer reviewed journals (national / international)**
Total - 30
Number of National publications – 18
Number of International publications – 12
(Details of publications are available in the department)
- **Monographs:** Nil
- **Chapters in Books:**
 - i. Chapter 16-Halitose E O Cirurgiao-Dentista, Page no. 89-110 by Dr. VineetKini in- Halitose, Funtamentos, Diagnostico e Tratamento by Regis Dewes.ISBN – 978-85-372-0644-7
 - ii. Chapter 10 PERIO-ESTHETICS by Dr. Richard Pereira in – ESTHETIC DENTISTRY: An Artist's Science authored by Dr. Ratnadeep Patil
- **Books edited:** Nil
- **Books with ISBN with details of publishers:**
 - i. Dr. Vineet Kini: ISBN – 978-85-372-0644-7
 - ii. Dr. Richard Pereira: 978-81-901-3190-2
- **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.) : 28**
- **Citation Index – range / average :**
Range : 0 – 7.5 Average : 3.75
- **Source Normalized Impact per paper (SNIP): 7Articles.**
Range : 0.545-1.375 Average-0.959
- **SCImago Journal Rank (SJR): 10 Articles**
Range : 0.229-1.013 Average- 0.559
- **Impact Factor – range / average: Articles 9**
Range –0.678-2.466 Average – 1.505
- **h Index – Range-1 to 6 Average- 3**

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generated:

- Consultancy is given to Patients in Adivasi village of Kasheli in rural district on their periodontal health and maintenance of oral hygiene-free of cost.

- Consultancy is given to patients in satellite centres- free consultancy.
- Consultancy is given for fabrication of an implant design and development for placement in rural population.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

National:

- Dr. Ashvini Padhye
- Dr. Richard Pereira

International Visit :

- Dr. Ashvini Padhye

26. Faculty serving in

a) **National committees:** Nil

b) **International committees:**

- Dr. Ashvini Padhye: Member of ITI (International team for Implantology).

c) **Editorial Boards**

- Dr. Ashvini Padhye: Editorial advisory board – Quintessence International (Asia Pacific edition).
- Dr. Richard Pereira: Editor in chief – Journal of Contemporary Dentistry.
- Dr. Richard Pereira: Reviewer, Journal Of International Clinical Dental Research Organisation (JICDRO).

d) **Any other (specify)**

- Dr. Ashvini Padhye is the mentor for Perio – Prostho Mastership programme conducted by Eduhub in collaboration with Columbia University college of Dental Medicine.
- Dr. Richard Pereira: Reviewer For Journal Of International Clinical Dental Research Organisation.
- Dr. Himani Gupta: Reviewer for African Dental Journal, International journal of Dental Hygiene, International Journal of Health and Allied Sciences.

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs): 53

28. Student Projects

- Percentage of students who have taken up in-house projects including inter-departmental projects.
UG : 10 %
PG : 100 %
- Percentage of students doing projects in collaboration with other universities / industry / institute 59%.

29. Awards / recognitions received at the national and international level by

Faculty:

- The Dept. of Periodontics, MGM Dental College and Hospital was awarded the 2nd prize for best Oral Hygiene day celebration at the national level competition organized by Indian Society of Periodontology, in August 2011.
- Dr. Richard Pereira was inducted as a fellow of the International College of Dentists (ICD) at a function held in New Delhi on 23rd December 2012.
- Dr. Manjeet Mapara was awarded first prize in Poster presentation in Original research in Annual Osseointegration Conference, Perth 2013

Doctoral / post doctoral fellows: Nil

Students:

- Dr. Aditi Rathod awarded 1st prize for E poster: Gingival Depigmentation- “pathway from brown to pink!” At India International Dental Congress at Nehru centre, Worli on 15th- 17th February 2013
- Dr. Aditi Rathod won 1st prize for scientific paper presentation titled, “Pontic Site Development- Efficiently Plumping, the Deficient” during MAGNUM (13/1/14) at MGM Dental College and Hospital, Kamothe.
- Dr. Yashashri Chaudhari won 3rd Position at IIDC conference held on 13th to 15th February at Nehru Science Centre, Worli.
- Dr. Seema Yadav Won the second prize for the paper presentation titled ‘Platelet rich fibrin – report of two cases’ presented at the Magnum, scientific day presentation held at M.G.M Dental College and Hospital, Kamothe, Navi Mumbai.
- Dr. Seema Yadav Won the first prize for the paper presentation titled Comparative Effect Of Commercially Available Chlorine Dioxide Containing Mouthrinse And Chlorhexidine Containing Mouthrinse On A Four Day Plaque Regrowth Model – A Randomized Clinical And Microbial Study In A Healthy Dental Cohort. Presented at the 14th Indian Society of Periodontology Convention on 14th March at D.Y Patil Dental College, Navi Mumbai.
- Dr. Ninad Padhye secured the second consolation prize for the paper presentation titled “A comparative evaluation of the pinch strength amongst dental cohort, performing pre-procedural chair side finger stretches, before and after scaling and root planing.” Presented at the 14th Indian Society of Periodontology Convention on 14th March at D.Y Patil Dental College, Navi Mumbai.
- Miss Visalakshi Shivaraman won second prize at IDC 2015 Bangalore for a poster titled Aesthetic smile – A comprehensive periodontal approach.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any

June 2011 to May 2012 :

- Seminar On Laser dentistry : Your tryst with technology on 4th Oct. 2011
Source of Funding : Self Funding
Outstanding participant : Dr. Suchetan Pradhan

Number of Student Delegates: 100

- Seminar on Implant placement in the esthetic zone on 4 th Oct. 2011
Source of Funding : Self Funding
Outstanding participant : Dr. Suchetan Pradhan
Number of Student Delegates: 100

June 2012 to May 2103 :

- Seminar on Systemic and oral health relationship on 25June 2012
Source of Funding : Self Funding
Outstanding participant : Dr. Sachin Kanagotagi
Number of Student Delegates: 80
- Seminar on White and pink gingival esthetics on 26 June 2012
Source of Funding : Self Funding
Outstanding participant : Dr. Vineet Kini
Number of Student Delegates: 80
- Seminar on Implant Site Preparation on 17 th Sept. 2012
Source of Funding : Self Funding
Outstanding participant : Dr. Sudhindra Kulkarni
Number of Student Delegates: 120
- Special lecture on Lasers are they for us on 17th April 2013
Source of Funding : Self Funding
Outstanding participant : Dr. Stefano Benedicenti
Number of Student Delegates: 122

June 2013 to May 2014

- Workshop on Implant based rehabilitation – The current scenario on 21 August 2013
Source of Funding : Self Funding
Outstanding participant : Dr. Anand Krishnamurthy
Number of Student Delegates: 166

June 2014 t0 May 2015

- Seminar on Soft tissue considerations in Implant Dentistry on 12th Sept. 2014
Source of Funding : Self Funding
Outstanding participant : Dr. Sitaram Wagle
Number of Student Delegates: 60
- Seminar on Overview of CBCT and Application in Oral Implantolgy and Periodontics on 7 th Nov. 2014
Source of Funding : Self Funding
Outstanding participant : Dr. Ranjeet Bapat
Number of Student Delegates: 60

June 2015 till date

- Special lecture on Soft tissue Esthetics on 20th July 2015
Source of Funding : Self Funding
Outstanding participant : Dr. Ashvini Padhye
Number of Student Delegates: 80
- Special lecture on “Implants and oral health” on 27 July 2015
Source of Funding : Self Funding
Outstanding participant : Dr. Vishwas Madaan
Number of Student Delegates: 25

31. Code of ethics for research followed by the departments:

As per Institutional Ethics Review Committee MGM DCH (Refer SOP V-02 of IERC)

32. Student profile program-wise: Periodontics Final year first semester

Selection process is done by AMUPMDC and the data related is available with the competent authorities. The student profile according to the examination conducted by the MUHS and the pass percentage is available with the department

33. Diversity of students

Name of the Program	% of students from the same university/Board	% of students from other universities/ Board within the State	% of students from universities/ Board outside the State	% of students from other countries
BDS 2011	91	06	02	01
BDS 2012	88	04	04	03
BDS2013	91	07	01	01
BDS 2014	97	01	02	00
MDS 2012	100	00	00	00
MDS 2013	67	33	00	00
MDS 2014	100	00	00	00
MDS 2015	100	00	00	00

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise:

GRE - 10
TOEFL - 10
MPH - 01
Total - 21

35. Student Progression

Student progression	Percentage against enrolled				
Year	2011	2012	2013	2014	2015
UG to PG	18%	21%	23%	20%	26%
PG to M.Phil, DM / M Ch / DNB	-	-	-	-	-
PG to Ph.D.	-	-	-	-	-
Ph.D. to Post-Doctoral	-	-		-	-
Employed					
Campus selection	-	-	5%	10%	15%
Other than campus recruitment	100%	100%	95%	90%	85%
Entrepreneurs	-	-	-	-	-

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	75%
from other universities within the State	Nil
from universities from other States	25%
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to

- a. Number of books in Department Library : 68
Number of Journals :
 - ▶ International – 06
 - ▶ National – 01
 - ▶ Online – 07
 - ▶ Library Dissertations – 09
 - ▶ Dissertations – 03
- b. Internet facilities for staff and students: 03 computers with internet facility.
- c. Total number of class rooms: 04 + 1 Seminar Room in Department
- d. Class rooms with ICT facility and ‘smart’ class rooms: Yes 4 + 1 Wifi available and CD for lectures available in department
- e. Students’ laboratories: 01
- f. Research laboratories: 01 Central lab

39. List of doctoral, post-doctoral students and Research Associates

- a. From the host institution/university: NA
- b. From other institutions/universities: NA

40. Number of post graduate students getting financial assistance from the university:
None

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology:

Yes, need assessment exercise was undertaken before development of new programme in the form of feedback from all the stake holders was taken. Essentiality certificates for BDS and MDS course was obtained.

42. Does the department obtain feedback from?

A. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, faculty gives their feedback on curriculum as well as teaching-learning-evaluation through staff meetings. Depending on the feedback, suggestions are given to university authority for further action through college council

B. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Department takes feedback from students on staff, curriculum and teaching evaluation. This is assessed and discussed at the departmental staff meeting and improvements suggested for rectification are put up to college council and IQAC for further action.

C. Alumni and employers on the programs offered and how does the department utilize the feedback?

Yes, feedback is taken, suggestions analysed and forwarded to the university authority to upgrade the curriculum

43. List the distinguished alumni of the department (maximum 10)

Undergraduate :

- Dr. Trupti Sarode is Research assistant at University of Minnesota
- Dr. Harsh Sharma, Lecturer, Lomalinda, USA
- Dr. Prajakta Shanbhag is Research Assistant at the Dept. of Research and Nursing at University of Colorado, Denver, USA.
- Dr. Anuradha Mohite - MDS in Prosthodontics and currently a staff in MGM Dental college, Navi-Mumbai.
- Dr. Juveria Sayyad is pursuing her post graduate studies in united states of America.
- Dr. Kishor Chindam has completed his MBA degree from the IIM , Trichi and is currently working with Carestream.
- Dr. Prashant Poplai is working in “Spreading Smiles” In North California.

- Dr. Deesha Majithia is “MAS” Manager at Global Health And Human Services in British, Colombia.
- Dr Harish Konar is Manager, Madical Analyst, IKS, Powai.
- Dr. Zita Antao is HR Manager and Recruitment, My Dentist, Mumbai.

Post graduate :

- Dr. Abhishek Mistry is working as consultant in private practice.
- Dr. Sneha Rajguru is working as consultant in private practice.
- Dr. Aditi Rathod is working as consultant in private practice.

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Total number of special lectures / workshops / seminar) involving external experts : 09
2011-12 :

- Seminar On Laser dentistry : Your tryst with technology on 4th Oct. 2011 for undergraduate and post graduate students.
External Expert : Dr. Suchetan Pradhan.
- Seminar on Implant placement in the esthetic zone on 4 th Oct. 2011 for undergraduate and post graduate students.
External Expert : Dr. Udatta Kher.

2012-13 :

- Seminar on Implant Site Preparation on 17th Sept. 2012 for undergraduate and post graduate students
External Expert: Dr. Sudhindra Kulkarni
- Special lecture on Lasers are they for us on 17th April 2013 for undergraduate and post graduate students
External Expert : Dr. Stefano Benedicenti Associate Professor Genova, Italy

2013-14 :

- Workshop with Hands on - Implant based rehabilitation – The current scenario on 21 August 2013 for undergraduate and post graduate students
External Expert : Dr. Anand Krishnamurthy

2014-15 :

- Seminar on Soft tissue considerations in Implant Dentistry on 12th Sept. 2014 for undergraduate and post graduate students
External Expert: Dr. Sitaram Wagle
- Seminar on Overview of CBCT and Application in Oral Implantolgy and Periodontics on 7th Nov. 2014 for undergraduate and post graduate students.
External Expert : Dr. Ranjeet Bapat

2015 till date :

- Special lecture on Soft tissue Esthetics on 20th July 2015 for undergraduate students
Expert: Dr. Ashvini Padhye
- Special lecture on “Implants and oral health” on 27th July 2015 for undergraduate students
Expert: Dr. Vishwas Madaan

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

Undergraduate Students

- ▶ Power point presentation
- ▶ Micro- Teaching
- ▶ SOPs
- ▶ Seminars
- ▶ Tutorials
- ▶ Revision classes

Post graduate students

- ▶ Case based discussion
- ▶ Chair side clinical discussion
- ▶ Workshops/ Hands on courses
- ▶ Seminars
- ▶ Journal clubs
- ▶ By extension activities
- ▶ Dental Camps

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Undergraduate :

- Periodic Internal Assessment, feedback is collected after every lecture and at the end of the term.
- Post end exams at the end of the clinical posting to assess patient management skills.
- Projects undertaken on specific topics with specific learning objectives for better understanding of a subject.
- Spotter identification and description.
- Encourage them to participate and present papers in various conferences.
- Innovative teaching methods.
- Seminars are presented by the students.
- Formative and summative method of evaluation for students are done.

Postgraduate:

- Article reading and journal club.

- Spotter identification and description.
- Reflective learning, peer assisted learning, evidence based learning, problem based learning, OSCE, OSPE.
- One minute preceptor learning- teaching for Post Graduate students.
- Introducing Problem based and evidence based learning.

47. Highlight the participation of students and faculty in extension activities.

- Home Visits for Geriatric patients.
- Oral hygiene day.
- AIDS day.
- Regular blood donation camp.
- Radio Talks.
- Awareness campaign for Swachh Bharat.
- Tree plantation.
- Anti Tobacco Campaign.

48. Give details of “beyond syllabus scholarly activities” of the department For undergraduate students :

- Book club.
- Students are given projects in the form of making charts, posters and models which can be used for students as well as patient education.
- Undergraduate students are encouraged to take up research projects.
- Dale Carnegie Workshop.
- White coat ceremony.

For post graduate students :

- Scientific paper and poster presentation competitions, quiz are organised during college week celebrations
- Research methodology workshop
- Photography insight workshop
- Participation of students in the essay competition organised by the Indian society of Periodontology annually
- Visit to other lab and clinics
- Paper / posters / Lectures / Workshops / preconference course by Faculty and PG

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details:

Yes

- Dental Council of India
- Maharashtra University of Health Sciences

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- The research projects being conducted by the department help to generate new knowledge:
- The following therapeutics were indigenously developed and studied
- Desensitizing dentifrices containing novamin and arginine
- Local drug delivery system consisting of minocycline and chitosan nanoparticles
- Local drug delivery systems incorporating green tea and turmeric extracts
- Erythritol- chlorhexidine and glycine containing air polishing powders
- Mtad[®], citric acid and ethylenediaminetetraacetic acid as root conditioning agents
- Organizing CDE Programs on a regular basis there is a constant inflow of new ideas and knowledge
- Inviting eminent speakers to impart knowledge and Interdepartmental meetings conducted

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- State of the art department with availability of latest technologies like lasers, peizosurgical unit, iontophoretic unit and radiovisiography.
- Well qualified and highly skilled faculty.
- Faculty with publications in pubmed indexed journals with high impact factor and H Index who are also on editorial boards of renowned journals.
- Well stocked department library.
- Advanced surgical procedures incorporating newer techniques performed on a routine basis.

Weakness

- Research collaboration with International institutions lacking.
- Unavailability of diagnostic aides like Cone beam computed tomography.
- High End Surgical microscope for Perioeshetic surgery unavailable.
- Procuring Research Funds.
- Inability to make improvements in the syllabus as only suggestions can be given to university.

Opportunity

- Availability of a medical college and hospital infrastructure to collaborate on clinical and research work.

- Conducting advanced scientific programmes on national and international levels
- Affiliations with allied institutions for learning.
- Research projects in collaboration with other national and international universities.
- There is an opportunity for the faculty member to get qualified as Ph.D. students and guides.

Challenges

- Conducting advanced certificate courses.
- Procuring funds from industries for collaborative research projects .
- Faculty to get involved in more research activities.
- Extending the expertise of faculty for the welfare of the students, patients and the institution.
- Signing of MOU's to have collaboration projects with other national and international institutions

52. Future plans of the department.

- To increase research projects and publications in indexed journals.
- To develop a Microsurgical enhanced department.
- To develop an implant clinic to cater for underprivileged population.
- To collaborate with the departments of other universities in Periodontics to conduct multi centred clinical research.

Evaluative Report of the Department

1. **Name of the Department:** Orthodontics and Dentofacial Orthopedics
2. **Year of establishment:** 2003
3. **Is the Department part of a college/Faculty of the university?** Yes.
4. **Names of programs offered (UG, PG, Pharm, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.):**
 UG–Bachelor of Dental Surgery (BDS)
 PG- Master of Dental Surgery (MDS).
5. **Interdisciplinary programs and departments involved:**
 Departments involved in interdisciplinary programs are:
 Prosthodontics, Conservative Dentistry, Pedodontics, Oral Medicine and Radiology, Orthodontics and Dentofacial orthopaedics, Community Dentistry, Periodontics and Dental Anatomy and Oral Histology, Oral Pathology and Microbiology.
 Medical Specialties General Anatomy, Physiology, Biochemistry, Pharmacology, General Pathology and Microbiology, General medicine and General Surgery. Neurosurgery, Casualty/ Emergency, General Medicine, General Surgery, Ophthalmology, General Anaesthesia, ENT, Orthopaedic.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** None
7. **Details of programs discontinued, if any, with reasons:** None
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:**
 Semester pattern- Final BDS, 1st semester
 Annual- MDS
9. **Participation of the department in the courses offered by other departments:** Yes
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	As per DCI requirement	Sanctioned	Filled and actual
Professor	1	1	1
Associate Professor/Reader	2	2	2
Assistant Professor	-	-	-
Lecturer	2	2	2
Tutor / Clinical Instructor	1	1	1
Senior Resident	-	-	-
Total	6	6	6

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	Research under guidance
Dr. Girish Karandikar	MDS	Prof. and Head	Orthodontics	25 yrs	9
Dr. Ravindranath VK	MDS	Professor/Reader	Orthodontics	12 yrs	5
Dr. Vivek Patni	MDS	Reader	Orthodontics	10 yrs	1
Dr. Manish Sonawane	MDS	Lecturer	Orthodontics	5 yrs	-
Dr. Amol Mhatre	MDS	Lecturer	Orthodontics	4 yrs, 10 mths	-
Dr. Sachin Doshi	MDS	Lecturer/tutor	Orthodontics	4 yrs, 10 months	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Yes.

Visiting Faculty: Dr. Manindersingh Setia,

Guest / Adjunct Faculty: Dr. M K Prakash, Dr. Biju Abraham, Dr. Prakash Lulla

13. Percentage of classes taken by temporary faculty – program-wise information:

We don't have any temporary faculty

14. Program-wise Student Teacher Ratio:

Program	Student Teacher Ratio
UG	17:1
PG	1:1

15. Number of academic support staff (technical) and administrative staff:

	Sanctioned	Filled	Actual
Dental Technician	1	1	1
Staff Nurse	2	2	2
Total	3	3	3

16. Research thrust areas as recognized by major funding agencies: Cephalometrics, bond strength, improvements in orthodontic materials

17. Number of faculty with ongoing projects from

- **National – 3**
- **International – Nil**

Sr no.	Title of project	Name of faculty	Funding agency	Grants received
1	To Evaluate effect of Fixed Orthodontic Appliance Therapy on periodontal health - An in vivo study	Dr. Manish S Sonawane Dr.GirishKarandikar	MGM Trust	Rs. 5000/-
2	Cephalometric Evaluation of Pharyngeal Dimensions in various Facial patterns - A Correlative study	DrRavindranath V K Dr. Sachin S Doshi.	MGM Trust	Rs. 5000/-
3.	A Comparison of Patient's perception to acceptability of Flavoured v/s Unflavoured Etching solution – A Clinical Trial	Dr Amol Mhatre Dr. VivekPatni	MGM Trust	Rs. 5000/-

18. Inter-institutional collaborative projects and associated grants received

a) National Collaboration

- A Comparison Of Surface Conditioning Properties Of Normal And Flavoured Etchants And Its Reswett Effect On Bond Strength.
- South Indian Education Society, Nerul, Navi Mumbai.
- Effect Of Different Methods Of Sterilization On Tensile Strength Of Different Types Of Orthodontic Wires.
- 3M Unitek Research Lab Bangalore.
- Comparative Assessment Of Four Different Designs Of Retraction Loops Made Of Beta Titanium Arch Wires : A Finite Element Study.
- FEA, Thane.
- Total Grants received from funding agencies: self funded.

b) International collaboration - Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil

20. Research facility

- State recognition : yes
- National recognition : yes
- International recognition: None

21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil

22. Publications:

- Number of papers published in peer reviewed journals
- National : 19
- International: Nil

- **Monographs:** Nil
- **Chapters in Books:** Nil
- **Books edited:** Nil
- **Books with ISBN with details of publishers:** Nil
- **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):** Nil
- **Citation Index Range/Average** 0 – 0.6/ 5.71
- **SNIP (Source Normalized Impact per Paper):** 19 Articles
Range of Scores: 0.227 – 1.973 Averages: 1.057
- **SJR (SCImago Journal Rank):** 19 Articles
Range: 0.143 – 1.57; Average: 0.723
- **Impact factor – range/average:** 19 Articles
Range: 0.164 – 2.923; Average: 0.89
- **h-Index range:** 1 to 4; Average: 1

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generated: Concessional treatment given to patients coming from schools and satellite centres

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in National: Dr. Karandikar and Dr. Ravindranath
International: Dr. Karandikar.

26. Faculty serving in

- National committees:** Dr. Girish Karandikar:
- International committees:** Nil
- Editorial Boards:** Dr. Ravindranath V K: Member Editorial Committee – Journal of Contemporary Dentistry
- Any other (specify):** None

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs): Total -37

28. Students projects:

- * **Percentage of students who have taken up in-house including inter-departmental projects**
 - **UG projects:** 10%
 - **PG projects:** 100%
 - **Percentage of students doing projects in collaboration with universities/ industries/ institutes:** 75%

29. Awards / recognitions received at the national and international level by

- **Faculty:** Dr. Girish Karandikar: Fellowship awarded by Australian Begg Society
- **Students:**
 - ▶ Dr. Bhagyashree Jadhav
1st prize for scientific paper presentation on topic, “first impression often a lasting one” at 3rd Zonal IOS PG Convention, sangli , October 9th-11th 2015.
 - ▶ Dr. Alok Shah
2nd prize for scientific poster presentation on topic, “Reinstating buccally flared molars using a modified transpalatal arch at 52nd Maharashtra State Dental Conference on Dec 13th -15th 2013.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any

2011 - 2012

1. To Origin Of Perfection. Art of taking quality impression on 26th March 2012

Source of funding: MGM Management

Outstanding Participants:

- Dr. Madhav Murty

2. Orthodontic treatment of odd cases and biomechanics involved in treating such cases on 30th April 2012

Source of funding : MGM Management

Outstanding Participants:

- Dr. Ashok Kothari

2012 - 2013

3. Meet the Elite , an International Workshop on class II correction on 27th – 29th July, 2012

Source of funding : MGM Management

Outstanding Participants:

- Dr. Yen, Dr. Daljit Gill, Dr. N.R. Krishnaswamy

2013 - 2014

4. Meet the Elite, A Rendezvous with the Living Legend-Biomechanics by Dr. Charles Burstone On 13th – 14th July, 2013

Source of funding : MGM Management

Outstanding Participants:

- Dr. Charles Burstone

2014 - 2015

5. Dentistry: A through the lens perspective on 24th July, 2015

Source of funding : MGM Management

Outstanding Participants:

- Dr. Arun Nayak , Dr. Rajesh Patil, Dr. Abhijit Jadhav

31. Code of ethics for research followed by the departments: As per Institutional Ethics Review Committee MGMDCH (Refer SOP V-02 of IERC)

32. Student profile program-wise:

The selection process is done by AMUPMDC and the related data is available with the competent authorities. Student profile is according to the examination conducted by the MUHS and the percentage of passing is available with the department.

33. Diversity of students

Name of the Program (refer to question no.4)	% of students from the same university/ Board	% of students from other universities/ Board within the State	% of students from universities/ Board outside the State	% of students from other countries
BDS 2011	91	6	2	1
BDS 2012	88	4	4	3
BDS 2013	91	7	1	1
BDS 2014	97	1	2	0
MDS 2011	33	33	33	0
MDS 2012	33	33	33	0
MDS 2013	33	33	33	0
MDS 2014	100	0	0	0
MDS 2015	66	0	33	0

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise:

- GRE - 10
- TOEFL - 10
- MPH - 01

Total - 21

35. Student progression

Student progression	Percentage against enrolled				
	2011	2012	2013	2014	2015
UG to PG	18 %	21 %	23 %	20 %	26 %
PG to M. Phil, DM/ M Ch/ DNB	-	-	-	-	-
PG to Ph. D.	-	-	-	-	-
Ph. D. To Post-Doctoral	-	-	-	-	-
Employed					
A) Campus selection	-	-	05%	10%	15%
B) Other than campus recruitment	100%	100%	95%	90%	85%
Entrepreneurs	-				

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	40%
from other universities within the State	40 %
from universities from other States	20%
from universities outside the country	None

37. Number of faculty who were awarded M.Phil. DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period - Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library:

- i. Total no. of books : 50
- ii. Total no. of Journals : National-1
International- 7
- iii. Total no. of Dissertation : 9
- iv. Total no. of Library dissertations : 15
- v. CD: 72

b) Internet facilities for staff and students: 03 computers with internet facilities

c) Total number of class rooms: 4 classrooms and 2 seminar rooms

d) Class rooms with ICT facility and 'smart' class rooms: Yes 4+1, (wifi and CDs for lectures)

e) Students' laboratories: 01

f) Research laboratories: 01

39. List of doctoral, post-doctoral students and Research Associates: Nil

- a) From the host institution/university - NA
- b) From other institutions/universities - NA

- 40. Number of post graduate students getting financial assistance from the university**
– None
- 41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology** –Yes, need assessment exercise was undertaken before the new programs were introduced and based on the feedback from stake holders, essentiality certificate for BDS/MDS course was obtained.
- 42. Does the department obtain feedback from?**
- a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**
- Yes,
The department faculty give their feedback on curriculum and teaching learning evaluation in staff meetings. Depending on the feedback suggestions are forwarded to the University Authority for further action through the College Council.
- b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**
- Department takes feedback from students on staff, curriculum and teaching-learning evaluation. This feedback is assessed and discussed at the departmental staff meetings. The suggestions are put up to the college council and IQAC for approval to be implemented for the improvement.
- C) Alumni and employers on the programs offered and how does the department utilize the feedback?**
- Yes, feedback is taken and suggestions analysed and forwarded to university for up gradation of curriculum.
- 43. List the distinguished alumni of the department (maximum 10)**
1. Dr. Vikas Agrawal – completed MclinDent in Prosthodontics from London,UK
 2. Dr. Kishor Chindam - completed his MBA degree from 5th IIM, currently working with the Kodak Carestream Dental India.
 3. Dr. Runuk Alok Singh - MDS in Oral medicine and radiology and works as consultant at Insight CBCT Malad.
 4. Dr. Sankalp Bhandarkar – MDS in Prosthodontics and currently as staff in MGM Dental college.
 5. Dr. Vishwas Madaan – pursuing his post graduation in Periodontics at MGM Dental College.
 6. Dr. Adil Gandevivala –MDS in Oral and maxillofacial surgery and currently as staff in MGM Dental college.
 7. Dr. Priyanka Machale –MDS in Community Dentistry and currently as staff in MGM Dental college.
 8. Dr. Arpan Jain currently working as Manager at Medical Analyst, Powai.
 9. Dr. Kinjal Jain is currently working as consultant with Signature Smiles.
 10. Dr. Trupti Sarode currently working as Research assistant at University of Minnesota, USA.

PG's students

1. Dr. Azeem Patel, in private practice at Mumbai.
2. Dr. Divij Joshi, in private practice at Mumbai.
3. Dr. Piyanka Pawar, in private practice at Mumbai.
4. Dr. Shaili Shah, in private practice at Mumbai.
5. Dr. Hitesh Burad, in private practice at Mumbai.
6. Dr. Vinayak, in private practice at Nanded.
7. Dr. Samay T, in private practice at Mumbai.

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts. 5

Special Lecture:

1. To Origin of Perfection. Art of taking quality impression by on 26th March 2012
External experts- Dr. Madhav Murty
2. Orthodontic treatment of odd cases and biomechanics involved in treating such cases on 30th April 2012
External expert – Dr. Ashok Kothari
3. Meet the Elite, an International Workshop on class II correction on 27th – 29th July, 2012
External experts - by Dr. Yen, Dr. Daljit Gill, Dr. N.R.Krishnaswamy
4. Meet the Elite, A Rendezvous with the Living Legend- Biomechanics on 13th – 14th July, 2013
External experts – Dr. Charles Burstone
5. Dentistry: A through the lens perspective on 24th July, 2015
External expert - Dr. Arun Nayak

Workshops:

- Computer and Photography Skills in Clinical Practice on 21st October 2010 –
External expert - Dr. P. G. Makhija
- Preadjusted Edgewise Appliance for IOS Members on 14th -15th Feb 2011 –
External expert- Dr. B. Madhan
- Damon System course on 6th April 2011-
External expert - Dr. Gurkeerat Singh

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

- Theory classes: Power Point Teaching, blackboard, video, flipchart and internet teaching.
- Demonstrations on patients.

- SOPs on clinical procedures, sterilization, communication skills.
- Patient case history discussion.
- Surgery observations.
- Discussions in clinics.
- Daily seminar and journal club.
- Micro and Macro teaching.
- Webinars by national faculty.
- Field visits and camps.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

UG

- Feedback after every topic.
- Feedback at term end.
- Conducting Internal Assessments.
- Posting end exams in clinics.
- Monthly test.
- Conducting seminars to evaluate.
- Formative evaluation after every topic by giving multiple choice questions and evaluation.
- Summative evaluation by internal assessment examinations.

PG:

- Article reading and journal club.
- Spotter identification and description
- Reflective learning, peer assisted learning, evidence based learning, problem. based learning, OSCE, OSPE.

47. Highlight the participation of students and faculty in extension activities.

- Oral hygiene day.
- Blood donation camp.
- Swachha Bharat Abhiyan.
- Anti-Tobacco Campaign.
- Oral Cancer awareness Programme.
- Rural Health care centre.
- Tree Plantation.
- Inter collegiate Cultural and sports.

48. Give details of “beyond syllabus scholarly activities” of the department:

For undergraduate students:

- White coat ceremony
- Charts
- Posters
- Models
- Quiz

For Postgraduate Students:

- Photography Insight
- Micro implants placement
- Skeletal anchorage devices hands - on
- Lingual orthodontics hands - on

**49. State whether the program/ department is accredited/ graded by other agencies?
If yes, give details –Yes, by DCI and MUHS**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied

Research on topic, “Etchant with flavouring agents” applied clinically on patients.
Organizing National and International Workshops and CDEs.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Good infra structure and well equipped.
- Good strength of out-patients.
- Records kept for long term follow up.
- Well equipped departmental library.
- Latest equipments available.
- Treatment of Lingual mechanics, implants

Weakness

- Insufficient clinical research.
- Insufficient Funding from renowned agencies.
- Limited Orthognathic Surgical cases.
- There are no government funded projects.
- Unavailability of CBCT.

- No staff is pursuing PHD.

Opportunity

- Faculty enrichment programmes.
- Scope for conducting scientific programmes.
- Hands on courses for variety of fixed appliance techniques.
- Working on patients using newer Techniques.
- Publishing articles in Indexed Journals.

Challenges

- Consistent Quality and Finishing of patients.
- Increase in number of Functional patients.
- To procure funds for research.
- Working on syndromic cases.
- Team- up for cleft lip and palate cases.
- Starting with evening clinics.

52. Future plans of the department

- Increase of research and publications.
- Plan for research facilities as per multicentered trials.
- To establish a collaboration with other universities.
- To generate CAD/CAM system, Lingual centre, electrocautery.

Evaluative Report of the Department

1. **Name of the Department:** Pediatric and Preventive dentistry.
2. **Year of establishment:** 2003.
3. **Is the Department part of a college/Faculty of the university?:** Yes
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship., etc.):**
Under Graduate – Bachelor of Dental Surgery(BDS).
5. **Interdisciplinary programs and departments involved:**
Departments involved in interdisciplinary programs are:
Department of anatomy, physiology, biochemistry, Pharmacology, General surgery and General medicine, General microbiology and General pathology, Prosthodontics, Conservative and Endodontic, Orthodontics , Oral and Maxillofacial surgery, Periododontics, Public health dentistry, Oral pathology, Oral medicine and Radiology, Anesthesiology.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**
None.
7. **Details of programs discontinued, if any, with reasons:**
None.
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System**
Semester pattern for Final BDS second semester.
9. **Participation of the department in the courses offered by other departments**
Yes.
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others) Sanctioned Filled Actual (including CAS and MPS) Professor Associate Professor/Reader Assistant Professor Lecturer Tutor / Clinical Instructor Senior**

	Required by DCI	Sanctioned	Filled	Actual
Professor	0	0	0	0
Associate professor/ Reader	1	1	1	1
Assistant Professor	0	0	0	0
Lecturer	2	3	3	3
Tutor	1	1	1	1
Senior resident	0	0	0	0
Total	4	5	5	5

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualifications	Designation	Specialization	No of years of experience	Research under guidance
Dr. Shrirang Sevekar	BDS, MDS	Reader	Pedodontics and Preventive Dentistry	8 years 8 months	02
Dr. Mihir Jha	BDS, MDS	Lecturer	Pedodontics and preventive Dentistry	4 years 1 month	02
Dr. Poonam Shingare	BDS, MDS	Lecturer	Pedodontics and preventive Dentistry	4 years	02
Dr. Laresh Mistry	BDS, MDS	Lecturer	Pedodontics and preventive Dentistry	1 month	02
Dr. Sujata H	BDS	Tutor	-	9 years	-

Name	Qualifications	Designation	Specialization	No of years of experience	Research under guidance
Dr. Shrirang Sevekar	BDS, MDS	Reader	Pedodontics and Preventive Dentistry	8 years 8 months	02
Dr. Mihir Jha	BDS, MDS	Lecturer	Pedodontics and preventive Dentistry	4 years 1 month	02
Dr. Poonam Shingare	BDS, MDS	Lecturer	Pedodontics and preventive Dentistry	4 years	02
Dr. Laresh Mistry	BDS, MDS	Lecturer	Pedodontics and preventive Dentistry	1 month	02
Dr. Sujata H	BDS	Tutor	-	9 years	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors.

Professor Emeritus: Dr. Shobha Deshpande.

Visiting Faculty: Dr. Maninder Singh Setia.

13. Percentage of classes taken by temporary faculty – program-wise information.

We don't have any temporary faculty.

14. Program-wise Student Teacher Ratio

Program	Student Teacher Ratio
BDS	9:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Actual
Sister/ Nurse	1	1	1
Clerk	2	2	2
Helper	1	1	1
Total	4	4	4

16. Research thrust areas as recognized by major funding agencies.

Management of anxious child using Conscious Sedation.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

Number of faculty with ongoing National projects: 4

No.	Name of the project	Name of faculty	Funding Agency	Amount INR
1	Glass ionomer fissure sealants: Retention over a 4 year period.	Dr. Laresh	MGM Trust	10000
2	Comparison of inhalational and oral sedation for pediatric dental patients: An in vivo study.	Dr. Shrirang Sevekar	MGM Trust	100000
3	An assessment of pediatric dental patients treated under general anaesthesia.	Dr. Mihir Jha	MGM Trust	10000
4	Comparative evaluation of the effect of needle size on pain from dental anaesthesia.	Dr. Shrirang Sevekar	MGM Trust	10000

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

a. National Collaboration

1. Dept of Pedodontics and Helen Keller Institute for Blind and Deaf -Dept of Pedodontics and Helen Keller Institute for Blind and Deaf
2. Sealant assessment program - Dept of Pedodontics and MGM School, Nerul
3. Management of Dental treatment of anxious patient with sedation- Dept of Pedodontics and Dept of Anesthesia

- Total grants received from the funding agency: 110000/-

b. International Collaboration: Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Under process for grant from ICMR

20. Research facility / centre with / state recognition / national recognition / international recognition

State recognition: Yes

National recognition: Yes

International recognition: Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications:

- * Number of paper public in peer reviewed and journals - 6
- * Number of international publications - 4 (Details of publications are available in the department)
- * Monographs: Nil
- * Chapters in Books: 02

- ▶ Verma P and Sevekar S: Understanding and management of special child in pediatric dentistry: Dyslexia, 1st ed. ISBN 978-93-5025-631-2. Publisher: Jaypee
- ▶ Sevekar S: Space Management: Textbook of Pediatric dentistry, 1st, 2nd, 3rd Ed. ISBN 978-93-5152-232-4
- * **Books edited:** Nil
- * **Books with ISBN with details of publishers :**
 - ▶ 978-93-5025-631-2, Publisher: Jaypee
 - ▶ 978-93-5152-232-4, Publisher: Jaypee
- * **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.) - 14**
- * **Citation Index – range / average:** 0 to 1.9/ 0.725
- * **SNIP:** Nil
- * **Impact factor : range/ average**
0-1.438/ 1.438
- * **SJR :** Nil
- * **h-index:** 1 to 5 / 1.25

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generated:

Free consultancy at MGM School, Hellen Keller Institute, MGM Hospital

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

National :

1. Dr. Shobha Deshpande
2. Dr. Shrirang Sevekar

International : Nil

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (specify)

a. National committee

- **Dr. Shrirang Sevekar**
 - Reviewer for the journal of Dental and allied sciences.
 - Editorial committee of journal of Contemporary Dentistry.
- **Dr Shobha Deshpande**
 - Editorial board in journal of contemporary dentistry.

b. International committee: Nil

27. Faculty recharging strategies (Refresher/orientation programs, workshops, training programs and similar programs).

Total: 31

28. Student projects / percentage of students who have taken up in-house projects including inter-departmental projects

Student percentage: 10%

29. Awards / recognitions received at the national and international level by Faculty / Doctoral / post doctoral fellows / Students

Staff:

- Dr Shirang Sevekar received best paper award at National conference of Indian Society of Pedodontics and Preventive dentistry held at Jaipur 2013

Student:

- Meet Shah final year student secured first prize in paper presentation at IDC Bangalore 2014

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Department has conducted total of 4 CDE activity

CDE 2011-12

1. IDA Colgate Future Dental Professional Programme: Career guidance to graduating dental students on 22 July, 2011

Source of funding : colgate

Outstanding participant :

Guest Faculty: Dr. Rajiv Chitguppi, Dr. Vinit Kini, Dr. Abhijit Jadhav

Resource Person: Dr. Shirang Sevekar, Dr. Mihir Jha, Dr. Poonam Shingare

Students Delegates: 187

2012-13

**2. Pediatric restorations..... Getting it Right!!
Tips and trick in Pedodontics on 4th January, 2012**

Source of Funding (Sponsor): Self funded

Faculty:

Dr. Harsh Vyas, MDS Pedodontics

Dr. Ujwal Kontham, MDS Pedodontics

Resource Person: Dr. Shirang Sevekar, Dr. Mihir Jha, Dr. Poonam Shingare

Student Delegates: 96

2013-14

**3. Management of traumatic dental injuries in children on 22nd January, 2013
Source of funding : Self funded**

Faculty: Dr. Adesh K Kakade

Resource Person: Dr. Shirang Sevekar, Dr. Mihir Jha, Dr. Poonam Shingare

Student Delegates: 87

4. Nasoalveolar Moulding (NAM) in Cleft lip and Palate patients on 25th April, 2013

Source of funding: Self Funded
 Faculty: Dr. Gajanan Shanbhag
 Resource Person: Dr. Shirang Sevekar,
 Student Delegates: 12

31. Code of ethics for research followed by the Departments :

As per Institutional Ethics Review Committee MGDMDCH (Refer SOP V-02 of IERC)

32. Student profile program-wise:

The selection process is done by AMUPMDC. Data related is available with the competent authority. The student profile according to the examination conducted by the MUHS and the pass percentage is available with the department.

33. Diversity of students Name of the Program

Name of the programme		% of students from same universities	% of students from other universities of same state	% of students from other universities of other state	% of students from outside the country
BDS	2011	91	6	2	1
	2012	88	4	4	3
	2013	91	7	1	1
	2014	97	1	2	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

GRE-10

TOEFEL-10

MPH – 01

Total : 21

35. Student progression Percentage against enrolled UG to PG PG to M.Phil, DM / M Ch / DNB PG to Ph.D. Ph.D. to Post-Doctoral Employed

A. Campus selection

Other than campus recruitment Entrepreneurs

Student progression	Percentage against enrolled				
	2011	2012	2013	2014	2015
UG to PG	18	21	23	20	26
PG to M.Phil / DM / M Ch / DNB	None	-	-	-	-
PG to Ph.D.	None	-	-	-	-
Ph.D. to Post-Doctoral	None	-	-	-	-

Student progression	Percentage against enrolled				
Employed					
Campus selection	-	-	5%	10%	15%
Other than campus recruitment	100%	100%	95%	90%	85%
Entrepreneurs	None	-	-	-	-

36. Diversity of staff

Percentage faculties who are graduates	
Of the same universities	60%
From other university within the state	40%
From other university from other state	-
From university outside the country	-

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

Nil

38. Present details of departmental infrastructural facilities with regard to

a. Library :

1. Number of books in department library: 65
2. Number of journals: 31
 - a. National: 29
 - b. International: 2
 - c. Online journal: 04
 - d. CDs:17

b. Internet facilities for staff and students: two computers with internet facility.

c. Total number of class rooms: 4 classroom + 1 seminar room in the department.

d. Class rooms with ICT facility and 'smart' class rooms: Yes. 4+1(WIFI available, CDs for lecture available in department).

e. Students' laboratories: Yes available.

f. Research laboratories: 01 (central lab).

39. List of doctoral, post-doctoral students and Research Associates a) from the host institution/university b) from other institutions/universities

Nil

a. From the host institutions/ university: NA

b. From other institution/ University: NA

40. Number of post graduate students getting financial assistance from the university.

None

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

Yes, need assessment exercise was undertaken before the new program were introduced and based on the feedback from stake holders, essentiality certificate for BDS was obtained.

42. Does the department obtain feedback from?

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback ?

Yes,

The department faculty give their feedback on curriculum and teaching learning evaluation in staff meetings. Depending on the feedback suggestions are forwarded to the University Authority for further action through the college council.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback ?

Yes,

Department takes feedback from students on staff, curriculum and teaching-learning evaluation. This feedback is assessed and discussed at the departmental staff meetings. The suggestion are put up to the college council and IQAC for approval to be implemented for the improvement

c. Alumni and employers on the programs offered and how does the department utilize the feedback ?

Yes,

The feedback from the alumini and employers are taken to assess the skill and knowledge of the student passed from the college and improvement to enhance the success of student

43. List the distinguished alumni of the department (maximum 10)

1. Dr. Trupti Sarode is Research assistant at University of Minnesota
2. Dr. Harsh Sharma, Lecturer, Lomalinda, USA
3. Dr. Prajakta Shanbhag is Research Assistant at the Dept. of Research and Nursing at University of Colorado, Denver, USA.
4. Dr. Anuradha Mohite - MDS in Prosthodontics and currently a staff in MGM Dental college, Navi-Mumbai.
5. Dr. Juveria Sayyad is pursuing her post graduate studies in united states of America.
6. Dr. Kishor Chindam has completed his MBA degree from the IIM , Trichi and is currently working with Carestream.
7. Dr. Prashant Poplai is working in "Spreading Smiles" In North California.
8. Dr. Deesha Majithia is "MAS" Manager at Global Health And Human Services in British Columbia.

9. Dr Harish Konar is Manager, Medical Analyst, IKS, Powai.

10. Dr Laresh Mistry, MDS, Senior Lecturer, Department of Pedodontics, MGM Dental College and Hospital, Kamothe, Navi Mumbai.

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Total number of student enrichment programs (special lectures / workshops / seminar) = 4

2011

Workshop:

- June 2011: Scientific session on “Future Dental Professional Programme: Career guidance to graduating dental students” by
External expert: Dr Rajiv Chitguppi, Dr Vinit Kini, Dr Abhijit Jadhav at MGM dental college and Hospital in July 2011

2012

Lecture:

- January 2012: Scientific session on
 - a. Pediatric restorations..... Getting it Right!!
 - b. Tips and trick in Pedodontics**External expert:** Dr Harsh Vyass and Dr Ujawal Kontham at MGM dental college and Hospital on 4 th January 2012

2013

Lecture:

- January 2013: Scientific session on “Management of traumatic dental injuries in children”
External expert: Dr Adesh Kakde at MGM dental college and Hospital on 22nd January 2013

2013

Workshop:

- April 2013: Workshop and hands-on course on “Nasoalveolar Moulding (NAM) in Cleft lip and Palate patients” at MGM dental college and Hospital on 25th april 2013
External expert: Dr. Gajanan Shanbaug

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

- Power point Teaching
- Micro-teaching
- SOP's
- Tutorials
- Seminars
- Revision class

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored ?

- Feedback taken from the students at the end of lecture and end of every term.
- Periodic Internal assessment exams as per university requirement.

- Post end clinical exams.
- Conducting seminars for evaluating the student performance.
- Short exam in the form of MCQ given to them after every lecture.
- By also having buddy and mentor programme.
- Getting feedback from patient after completion of treatment.

47. Highlight the participation of students and faculty in extension activities.

- Projects undertaken on specific topics with specific learning objectives for better understanding of a subject.
- Encourage them to participate and present papers in various conferences.
- Dental satellite centre as an outreach program
 - In campus pediatric dental facility started in Mid 2012 at MGM School, Nerul with 2000 children who are 6-16 year old.
 - All services free of cost.
 - 6 monthly fluoride gel applications.
 - Children 6-9 years of age receive sealants.
 - Advantages:
 - Free treatments.
 - During school hours.
 - Interns of the MGM Dental College under supervision of one senior lecturer perform the procedures; thus facilitates the learning objectives of internship programme.
- Community Outreach Programme.
- Queen Mary High School, Mumbra on December 19, 2012.
- Education of teachers on oral hygiene measures.
- Distribution of tooth-brushes and toothpastes.
- Community outreach programme was conducted at Hellen Keller Blind and Deaf school in Dec 2014.
- Dental camp was conducted at skills development school for special children in November 2013
- Oral health status of the children residing there was checked.
- Teachers education on oral hygiene was done.
- Distribution of tooth paste and brushes.

48. Give details of “beyond syllabus scholarly activities” of the department.

For undergraduate students :

- White coat ceremony
- Charts
- Posters

- Models
- Quiz

**49. State whether the program/ department is accredited/ graded by other agencies ?
If yes, give details.**

Yes, by Dental Council of India (DCI) and Maharashtra University of Health Sciences (MUHS).

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

1. The research projects are conducted to generate new knowledge.
2. Department is actively involved conducting CDE and work-shops for generating and implementing new knowledge.
3. Department is also involved in participating in lectures or hands-on courses by other department or other colleges for academic improvement.
4. Discussion on new edge advances in pediatric Dental materials and procedures.
5. Department is involved in managing children with special health care needs under general anesthesia in collaboration with department of anesthesia. Hence student and interns get exposure of the same.
6. Paper / posters / Lectures / Workshops / preconference course by Faculty and PG.
7. Dental rehabilitation of medically compromised children under general anesthesia and sedation.
8. Novel technique of marsupialization of cystic lesion in pediatric dental patients.
9. Naso alveolar Moulding in Cleft palate patients.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength:

Weaknesses:

- Post graduation course awaited.
- Digitalized paperwork.
- Research work needs to be encouraged.
- Simulated labs for student learning.
- Associations with societies for medically compromised dental patients.

Opportunities:

- To start post graduation.
- Dedicated Operation theatre in Department.
- Dedicated Cleft lip palate naso-alveolar moulding centre.
- Smart board teaching for students.
- Evening clinic at satellite centre.

Challenges:

- Creating awareness and need of good dental health in pediatric patient amongst the masses.
- General lack of interest in dental treatment of young children.
- Complete negligence of dental treatment of special children.
- Turning the tide of dental treatment from corrective care to preventive care.

- Spread of knowledge of importance of preservation of deciduous dentition.

52. Future plans of the department.

- To establish collaborative associations with other agencies dealing with dental treatment of pediatric patients including medically compromised patients.
- To imbibe into its system, newer techniques and methodology to aid the student in acquiring the clinical expertise that they will need in managing pediatric dental patients including those with special healthcare needs.
- To constantly renew the infrastructure and services provided, to cater to the changing trends that occur in this field of pediatric dental care.

Evaluative Report of Department

1. **Name of the Department:** Oral Medicine and Radiology
2. **Year of establishment:** 2003
3. **Is the Department part of a college/Faculty of the university?** Yes, department is part of the MGM Dental College and Hospital.
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.):**
Undergraduate: - Bachelor of Dental Surgery (BDS)
5. **Interdisciplinary programs and departments involved:**
Dental Departments involved are Periodontology, Public Health Dentistry, Orthodontics and Dental Orthopaedics, Paediatric and Preventive Dentistry, Oral Maxillofacial Surgery, Conservative Dentistry and Endodontics, and Prosthodontics and Crown and Bridge.

Medical specialities: Department of General Human Anatomy, General Human Physiology, Biochemistry, Dental Anatomy Embryology and Oral Histology, Dental Pharmacology and Therapeutics, General Pathology, Microbiology, General Medicine, General Surgery, and Oral Pathology and Microbiology.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** None
7. **Details of programs discontinued, if any, with reasons-** None
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:**
Semester System: Fourth BDS in first Semester.
9. **Participation of the department in the courses offered by other departments:** Yes
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	DCI Requirement	Sanctioned	Filled and Actual
Professor	-	-	-
Associate Professor/Reader	01	01	01
Assistant Professor	-	-	-
Lecturer	02	02	02
Tutor / Clinical Instructor	02	02	02
Senior Resident	-	-	-
Total	05	05	05

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	Research under guidance
Dr Pradnya Jadhav (Dr Rohini Salvi)	MDS	Professor and Head	Oral Medicine and Radiology	14 years Month	02
Dr Rohit Gadda	MDS	Lecturer	Oral Medicine and Radiology	5 years 2 months	01
Dr Neha Patil	MDS	Lecturer	Oral Medicine and Radiology	3 years 8 months	01
Dr Vasant Rathod	BDS	Tutor	-	9 years 5 months	-
Dr Varsha Patel	BDS	Tutor	-	9 years 5 months	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors –
Visiting Faculty - Dr Maninder Singh Sethia

13. Percentage of classes taken by temporary faculty – program-wise information-
We don't have any temporary faculty.

14. Program-wise Student Teacher Ratio:

Program	Student Teacher Ratio
BDS	17:1

15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual

Staff	Sanctioned	Filled	Actual
Dental hygienist	1	1	1
Radiographer	2	2	2
Clerk	3	3	3
Total	06	06	06

16. Research thrust areas as recognized by major funding agencies:

- Prevention and early diagnosis of oral precancerous and cancerous conditions.
-

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. –

Number of faculty involved – 02

Sr. No.	Title of project	Name of faculty	Funding agency	Grants received
1	The Prevalence Of Oral Mucosal Lesions In Patients Visiting Dental Outpatient Department	Dr Rohit Gadda, Dr. Neha Patil, Ankita Pasad	MGM Trust	5000/-
2	Analysis Of Medical Profile Of Patients Reporting To Dental Outpatient Department	Dr Rohit Gadda, Dr. Neha Patil, Mangal More	MGM Trust	5000/-

18. Inter-institutional collaborative projects and associated grants received**a. National collaboration: 01**

Research project titled 'Clinical effect of virgin olive oil on dental plaque' in collaboration with Department of Physiology, MGM's Medical College and Hospital, Kamothe, Navi Mumbai-410209, was conducted and we received a grant of Rs.8,000/- from MGM institute of Health Sciences, Kamothe, Navi Mumbai-410209.

Total grants received from funding agencies – 8000/-

b. International collaboration: None.**19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.: None****20. Research facility / centre with**

- State recognition: Yes
- National recognition: Yes
- International recognition: None

21. Special research laboratories sponsored by / created by industry or corporate bodies: None

22. Publications:

* **Number of papers published in peer reviewed journals (national / international):**

- National: 10
- International: 5
- Total: 15

Details of the publications are available with the department.

* **Monographs-** None

* **Chapters in Books-** None

* **Books edited-** None

* **Books with ISBN with details of publishers-** None

* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)-** 11

* **Citation Index** – range / average: Range- 1-12, Average: 3.75

* **Impact Factor** – Range: 0.045 - 0.23, Average: 0.14

* **Source Normalized Impact per Paper (SNIP):** Range: 0- 0.159, Average: 0.159

* **SCImago Journal Rank (SJR):** Range: 0.115- 0.229, Average: 0.172

* **h-index**

- ▶ Journals wise 2 : range : 7-9, Average : 8
- ▶ Faculty wise : range : 1-2, Average : 1

23. Details of patents and income generated: None

24. Areas of consultancy and income generated:

- Consultancies are provided for assessing and understanding the CBCT Scans.
- Consultancies are provided for examination and diagnosis of pre cancerous lesions and conditions.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: None

26. Faculty serving in

a) **National committees:** None

b) **International committees:** None

c) **Editorial Boards:** 01,

- Dr Rohit Gadda, Member, Editorial Committee, Journal of Contemporary Dentistry

27. Faculty Recharging Strategies (Refresher / orientation programs, workshops, training programs and similar programs):- 14

28. Student projects

- **Percentage of students who have taken up in-house projects including inter-departmental projects: 10%**
- **Percentage of students doing projects in collaboration with other universities / industry / institute: Nil**

29. Awards / recognitions received at the national and international level by

- Faculty: None
- Doctoral / post doctoral fellows: None
- Students: None

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any: Yes

- **CDE Program titled ‘Use and Application of CBCT in Dentistry’ For UG’s And PG’s . Date: 16th August, 2012.**

Source of funding (sponsor): Self funded.

Outstanding participants : Resource persons: Dt. Rohini Salvi, Dr. Rohit Gada, Dr. Neha Patil.

Faculty : Dr. Freny Karjodkar, Dr. Subodh Sontakke, Dr. Neha Patil, Dr. Anuradha Maideo.

Number of student Delegates : 150

- **CDE Program titled ‘Advances in Prevention and screening for early detection of Oral Cancer’ For UG’s And PG’s . Date: 30th August, 2013.**

Source of funding (sponsor): Biocon.

Outstanding participants : Resource persons: Dt. Rohini Salvi, Dr. Rohit Gada, Dr. Neha Patil.

Faculty: Dr. Pankaj Chaturvedi.

Number of Student Delegates: 138

31. Code of ethics for research followed by the departments: Yes

As per Institutional Ethics Review Committee MGMDCH (Refer SOPV-02 of IERC)

32. Student profile program-wise:

- Selection process is done by AMUPMDC and data related to it is available with competent authorities. The student profile is according to the examination conducted by the MUHS and the pass percentage is available with the department.

33. Diversity of students:

Name of the Program (refer to question no. 4)	% of students from the same university/ Board	% of students from other universities/ board within the State	% of students from universities/ board outside the State	% of students from other countries
BDS-2011	91%	6%	2%	1%
BDS-2012	88%	4%	4%	3%
BDS-2013	91%	7%	1%	1%
BDS-2014	97%	1%	2%	0%

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise:

GRE: 10

TOEFEL: 10

MPH: 01

Total: 21**35. Student progression:**

Student progression	Percentage against enrolled				
	2011	2012	2013	2014	2015
UG to PG	18%	21%	23%	20%	26%
PG to M.Phil, DM / M Ch / DNB	None				-
PG to Ph.D.	None				-
Ph.D. to Post-Doctoral	None				-
Employed					
• Campus selection	-	-	5%	10%	15%
• Other than campus recruitment	100%	100%	95%	90%	85%
Entrepreneurs	None				

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	67%
from other universities within the State	33%
from universities from other States	-
from universities outside the country	-

- 37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period:** None
- 38. Present details of departmental infrastructural facilities with regard to**
- a) Library**
- **No of Books:** 57
 - **No of Titles:** 57
 - **No of journals:** Online access to 11 journals from the department
 - **Number of Seminars:** 10
- b) Internet facilities for staff and students:** 03 computers with internet facility
- c) Total number of class rooms:** 04 + 1 Seminar room in department.
- d) Class rooms with ICT facility and ‘smart’ class rooms:** Yes 4+1 (Wi-Fi available and CD For Lectures available in department)
- e) Students’ laboratories:** None
- f) Research laboratories:** 01(Central lab)
- 39. List of doctoral, post-doctoral students and Research Associates a) from the host institution/university b) from other institutions/universities:** None
- 40. Number of post graduate students getting financial assistance from the university:** NA
- 41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology:** Yes, Need assessment exercise was undertaken before the development of new program in form of feedback from all the stakeholders, essentiality certificates for BDS was obtained.
- 42. Does the department obtain feedback from**
- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback ?**
- Yes, faculty gives their feedback on curriculum as well as teaching-learning-evaluation through staff meetings. Depending on the feedback, suggestions are given to university authority for further action through the College Council.
- b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback ?**
- Yes, department takes feedback from students on staff, curriculum and teaching-learning-evaluation. This is assessed and discussed at departmental meetings and improvement suggested for rectification is put-up to the college council and IQAC for further action.
- c. Alumni and employers on the programs offered and how does the department utilize the feedback ?**
- Yes, feedback is taken and suggestion are analyzed and forwarded to university for upgradation of curriculum.
- 43. List the distinguished alumni of the department (maximum 10)**
- UG Students-**
1. Dr. Trupti Sarode is Research assistant at University of Minnesota.
 2. Dr. Harsh Sharma, Lecturer, Lomalinda, USA.

3. Dr.Prajakta Shanbhag is Research Assistant at the Dept. of Research and Nursing at University of Colorado, Denver, USA.
4. Dr. Sahiti BLK Dental health resident at Centers for Disease Control(CDC), University of Minnesota
5. Dr. Juveria Sayyad is pursuing her post graduate studies in united states of America.
6. Dr. Kishor Chindam has completed his MBA degree from the IIM , Trichi and is currently working with Carestream.
7. Dr. Prashant Poplai is working in “Spreading Smiles” In North California.
8. Dr. Deesha Majithia is “MAS” Manager at Global Health And Human Services in British, Colombia.
9. Dr Harish Konar is Manager, Madical Analyst, IKS, Powai.
10. Dr. Zita Antoa is HR Manager and Recruitment, My Dentist, Mumbai.

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.:

2012-2013

- **Workshop titled ‘Use and Application of CBCT in Dentistry’** for undergraduate and post graduate students. Date: 16th August, 2012. Funded by MGM Dental College. By Dr Freny Karjodkar, Dr Subodh Sontakke, Dr Neha Patil, Dr Anuradha Maideo,

2013-2014

- **Special lecture titled ‘Advances in Prevention and screening for early detection of Oral Cancer’** Date: 30th August, 2013. Funded by Biocon. By Dr Pankaj Chaturvedi.

2014-2015

- **Special Lecture on Tobacco Intervention Initiative** on 30th May 2014. Funded by MGM trust. Dental College.
External expert: Dr Abhijeet Jadhav
- **Workshop on Implant planning On CBCT** on 9th Jan 2015. Funded by MGM Dental College. **External expert:** Dr Prashant Shirke.

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

- Standard Operating Procedures (SOP) are given to students for all clinical procedures in the department.
- Class room Lectures using power point presentations, black board and videos
- Microteaching.

- Slide discussion for different clinical cases.
- Case based learning and case discussions and Clinical chair side case discussions.
- Demonstration of Radiographic Techniques.
- Radiographic Interpretation Exercises.
- By holding hands-on workshops and seminars.
- Extension activities like visit to CBCT centre, Radiotherapy centre.
- Revision classes.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- Regular feedbacks are taken from students at end of every lecture and end of every term.
- Regular undergraduate schedules are made and displayed to the students which have allowed us to ensure that the program objectives are met.
- Formative evaluation after every topic by giving multiple choice questions and evaluation.
- Summative evaluation by internal assessment examinations.
- By introducing Problem based and evidence based learning.
- Continuous assessment through regular Clinical posting, and posting-end examination with internal assessments and viva voce.

47. Highlight the participation of students and faculty in extension activities:

- Students and faculty participates regularly in continuing dental education programs, hands-on workshops and seminars.
- Students are posted periodically for different dental camps.
- Students and faculty actively participates in road shows, flash mob done for anti-tobacco campaign.
- Anti Tobacco Day.
- Swaccha Bharat Abhiyaan.

48. Give details of “beyond syllabus scholarly activities” of the department:

- Research Projects.
- Dale Carnegie program.
- White coat ceremony.
- Book Club.

- Paper/poster presentations by students in conferences.
- Visit to Cone Beam Computed Tomography Centre.
- Visit to Radiotherapy centre

**49. State whether the program/ department is accredited/ graded by other agencies?
If yes, give details. :**

Yes, by DCI / MUHS

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- The research being conducted on Effect of Olive Oil to control Dental Plaque by the department helps to generate new Knowledge.
- Organizing CDE programs on Oral Cancer and Tobacco Intervention helps in constant inflow of new ideas and knowledge.
- Monthly Clinico-pathologic meets:- Our department faculty is actively involved in discussion and presented few cases to add knowledge in patients planning and treatment.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

1. Good patient inflow.
2. Attached to Medical Hospital which helps in active interactions with medical team and comprehensive patient management.
3. Subsidized treatment to under-privileged patients.
4. Availability of the latest technology, like digital radiography.
5. Qualified, well trained and dedicated faculty.

Weakness

1. Lack of advanced radiographic equipment like CBCT machine.
2. Lack of Multi-centric clinical research.
3. Lack of Government Funded Projects.
4. Less numbers of scientific Journal.
5. Publications in national and international journal.

Opportunities

1. Enhance research work utilizing the facilities available.

2. Availability of a medical college and hospital infrastructure to collaborate on clinical and research work.
3. Opportunity to serve dental services to rural population and identify areas of research in rural population.
4. Affiliations with allied institutions for learning.
5. There is an opportunity for the faculty member to get qualified as Ph.D. students and guides.

Challenges

1. Getting funds for research from external bodies.
2. Improve infrastructure of the department.
3. Utilization of Advanced radiographic equipments for better and Quicker Diagnosis.
4. Given increased departmental space, one can apply for starting of Postgraduate Program.
5. Handling increasing number of patients with present infrastructure.

52. Future plans of the department.

1. To conduct more multi-centric research activities.
2. To organize more number of CDE programs for betterment of students and faculty.
3. Starting Postgraduate Program in the subject.
4. Utilization of Advanced radiographic equipments for better and Quicker Diagnosis.

EVALUATIVE REPORT OF THE DEPARTMENT

1. **Name of the Department:** Public Health Dentistry
2. **Year of establishment:**2003
3. **Is the Department part of a college/Faculty of the university?** Yes
4. **Names of programs offered:** (Bachelor of Dental Surgery) B.D.S
5. **Interdisciplinary programs and departments involved:**

Dental Departments involved: Department of Periodontology, Orthodontics and Dental Orthopaedics, Paediatric and Preventive Dentistry, Oral Maxillofacial Surgery, Conservative Dentistry and Endodontics, and Prosthodontics and Crown and Bridge

Medical specialities: Department of General Human Anatomy, General Human Physiology, Biochemistry, Dental Anatomy Embryology and Oral Histology, Dental Pharmacology and Therapeutics, General Pathology, Microbiology, General Medicine, General Surgery, and Oral Pathology and Microbiology.

6. **Courses in collaboration with other universities, industries, foreign institutions, etc:** None
7. **Details of programs discontinued, if any, with reasons:** None
8. **Examination System:** Fourth BDS second semester
9. **Participation of the department in the courses offered by other departments:** Yes
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	DCI requirement	Sanctioned	Filled & Actual
Professor	-	-	-
Associate Professor/Reader	0	0	0
Assistant Professor	-	-	-
Lecturer	2	2	2
Tutor / Clinical Instructor	03	03	03
Senior Resident	-	-	-
Total	5	5	5

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance.

Sr. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	Re-search under guidance
1	Dr. Priyanka Machale	M.D.S.	Lecturer and Department In-charge	M.D.S. in Public Health Dentistry	3years	2
2	Dr. Bharat Gupta	M.D.S.	Lecturer/Tutor	M.D.S in Periodontology	2 years and 6 months	1
3	Dr. Sujeet Khiste	M.D.S.	Lecturer	M.D.S in Periodontology	3 years	-
4	Dr.Vaibhav Thakkar	M.D.S.	Lecturer/Tutor	M.D.S. in Public Health Dentistry	7 months	2
5	Dr. Priya Singh	B.D.S., M.B.A	Tutor	M.B.A in Health Care Administration and Hospital Management	9 Years	-

12. List of senior Visiting Fellows, visiting faculty, emeritus professors:

Visiting faculty : Dr. Maninder Singh Setia

13. Percentage of classes taken by temporary faculty – program-wise information: We do not have any temporary faculty.

14. Program-wise Student Teacher Ratio:

Program	Student Teacher Ratio
BDS	20:1

15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual

	Sanctioned	Filled	Actual
Dental Hygienist	01	01	01
ChairsideAssistant	01	01	01
Attender/Peon	01	01	01
Driver	02	02	02
Bus Helper/Cleaner	01	01	01
Total	06	06	06

16. Research thrust areas as recognized by major funding agencies:

- Dental Caries
- Occupational Health
- Prevalence of Tobacco Habits
- Precancerous lesions

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Number of faculty with ongoing projects: 4

Total Grants Received from MGM Trust: 50,000/-

Sr no	Title of project	Name of faculty	Funding agency	Grants received INR
1	“Assessment of Oral health status and prevalence of oral potentially malignant disorders in tribal population at Kashele, Maharashtra, India.”	Dr. Vaibhav Thakkar	MGM Trust	10,000/-
2	Study of knowledge, attitude and practice related to tobacco use among health professional interns in MGM campus. Funded by MGM trust with all needed resources	Dr. Priyanka Machale	MGM Trust	10,000/-
3	Prevalence of malocclusion in 6-12 years aged children of Dnyanmandir school Kalamboli.	Dr. Priya Singh	MGM Trust	10,000/-
4	To evaluate the gingival status of pregnant ladies reporting at Kalamboli MGM Hospital of Woman and Child Health	Dr. Priya Singh	MGM Trust	10,000/-
5	Oral health awareness, status and treatment needs among police force in Navi Mumbai.-	Dr. Sujeet Khiste	MGM Trust	10,000/-

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration: Nil

b) International collaboration: Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE;DBT, ICSSR, AICTE, etc.; total grants received.

Total Grants Received: 50,000/-from MGM trust

1. Assessment of Oral health status and prevalence of precancerous lesions in tribal

population at Kashele, Maharashtra, India.

2. Study of knowledge, attitude and practice related to tobacco use among health professional interns in MGM campus.
3. Prevalence of malocclusion in 6-12 years aged children of Dnyanmandir school Kalamboli.
4. To evaluate the gingival status of pregnant females reporting at Kalamboli MGM Hospital of Woman and Child Health.
5. Oral health awareness, status and treatment needs among police force in Navi Mumbai.

20. Research facility / centre with

- **State recognition:** Yes
- **National recognition:** Yes
- **International recognition:** Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil

22. Publications:

- * **Number of papers published in peer reviewed journals (national / international):**

Total: 17

No of National Publications: 7

No of international publications: 10

(Details of publications are available in the department)

- * **Monographs-** None
- * **Chapters in Books-** None
- * **Books edited-** None
- * **Books with ISBN with details of publishers-** None
- * **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)**17
- * **Citation Index – Range/Average**

- | | | |
|--------------------------|--------------------|----------------|
| • Citation index: | Range: 1-10 | Average: 3.5 |
| • SNIP: | Range: 0.594-0.850 | Average: 0.688 |
| • SJR: | Range: 0.229-0.576 | Average: 0.372 |
| • Impact factor: | Range: 0.065-1.17 | Average: 0.504 |
| • h-index: | Range: 0-2.5 | Average: 0.875 |

23. Details of patents and income generated: None

24. Areas of consultancy and income generated:

Consultancy services at following Satellite centres is provided.

- a) Consultancy is given to primary health centre at Ajiwali, Raigad district for the dental treatment and prevention of oral diseases which is free of cost
- b) Consultancy and dental treatment is provided at Seal Ashram, Nere: free of cost for all the needy inmates of NGO,. Also preventive treatment provided free of cost.
- c) Consultancy for the Yusuf Meherally Centre, is provided to patients visiting this private trust and they are treated free of cost.
- d) Consultancy given to rural hospital Kashele, Karjat and dental treatment and prevention of oral diseases is free is carried out free of cost
- e) Consultancy is provided free of cost to Vasudev Balvant Phadke Memorable trust located at Shirdhone village, Raigad District.
- f) Dental Centre, and Kalamboli, free consultancy and dental treatment is provided on charity basis at this urban hospital.

25. Faculty selected nationally / internationally to visit other laboratories /institutions / industries in India and abroad: None

26. Faculty serving in

- a) **National committees:** None
- b) **International committees:** None
- c) **Editorial Boards:** 01

Dr. Priyanka Machale Joglekar, Member, Editorial Board, Journal of Contemporary Dentistry.

- d) **Any other (specify):** - None

27. Faculty Recharging Strategies (Refresher / orientation programs, workshops, training programs and similar programs):-

Total: 61

28. Student projects

- **Percentage of students who have taken up in-house projects including inter-departmental projects: UG: 15%**
- **Percentage of students doing projects in collaboration with other universities / industry / institute: None**

29. Awards / recognitions received at the national and international level by

- **Faculty: 3**
 - 1) **Dr. Sujeet Khiste:** Awarded GOLD MEDAL from the Rajiv Gandhi University of Health Sciences, Karnataka for securing the highest marks in MDS Periodontology exams in May 2012.
 - 2) **Dr. Vaibhav Thakkar:** First Prize in the E poster Competition 'Dental Biofilm: Effect on oral and systemic health' at Manipal College of Dental Sciences, Mangalore on 1st August, 2012.
 - First Prize in Quiz Competition at 7th National PG Convention of Indian Association of Public Health Dentistry, Vijaywada - Guntur, Andhra Pradesh from 21st - 22nd June, 2013

- **Doctoral / post doctoral fellows:** Nil
- **Students:** Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

2011-12:

Research methodology and Biostatistics workshop from 25 to 27th August 2011 by Dr L Nagesh and faculty at MGM Dental college and Hospital

Source of funding: Funded by scientific committee, MGM Dental College and Hospital

Outstanding Participants : Dr. Pooja Agarwal, Dr. Ravi Shirahatti
Resource persons: Dr. Priyanka Machale, Dr. Bharat Gupta, Dr. Sujeet Khiste, Dr. Vaibhav Thakkar, Dr. Priya Singh

2012-2013:

Research methodology and Biostatistics workshop from 3rd to 5th October 2012, by MUHS approved team, Dr. Nirmal Rege and faculty, Department of Pharmacology, KEM Hospital at MGM Dental college and Hospital

Funded by scientific committee, MGM Dental College and Hospital

Outstanding Participants: Dr. Rakhi Tripathi, Dr. Pankaj Sarkate, Dr. Yashshree Shetty, Dr. Padmaja Marathe

Resource persons: Dr. Priyanka Machale, Dr. Bharat Gupta, Dr. Sujeet Khiste, Dr. Vaibhav Thakkar, Dr. Priya Singh

2013-2014:

Research methodology and Biostatistics workshop from 12th to 14th August 2013 by MUHS approved team, Dr. Nirmal Rege and faculty, Department of Pharmacology, KEM Hospital at MGM Dental college and Hospital.

Funded by scientific committee, MGM Dental College and Hospital.

Outstanding Participants: Dr. Rakhi Tripathi, Dr. Pankaj Sarkate, Dr. Yashshree Shetty, Dr. Padmaja Marathe.

Resource persons: Dr. Priyanka Machale, Dr. Bharat Gupta, Dr. Sujeet Khiste, Dr. Vaibhav Thakkar, Dr. Priya Singh.

2014-2015:

Research methodology and Biostatistics workshop from 12th to 14th August 2014 by MUHS approved team, Dr. Nirmal Rege and faculty, Department of Pharmacology, KEM Hospital at MGM Dental college and Hospital.

Funded by scientific committee, MGM Dental College and Hospital.

Outstanding Participants: Dr. Rakhi Tripathi, Dr. Pankaj Sarkate, Dr. Yashshree Shetty, Dr. Padmaja Marathe, Dr. Sandhya Kamath
Resource persons: Dr. Priyanka Machale, Dr. Bharat Gupta, Dr. Sujeet Khiste, Dr. Vaibhav Thakkar, Dr. Priya Singh.

2015 – Till date:

Research methodology and Biostatistics workshop from 10th to 12th August 2015 by MUHS approved team, Dr. Nirmal Rege and faculty, Department of Pharmacology, KEM Hospital at MGM Dental college and Hospital

Funded by scientific committee, MGM Dental College and Hospital

Outstanding Participants: Dr. Rakhi Tripathi, Dr. Pankaj Sarkate, Dr. Yashshree Shetty, Dr. Padmaja Marathe, Dr. Sandhya Kamath Resource persons: Dr. Priyanka Machale, Dr. Bharat Gupta, Dr. Sujeet Khiste, Dr. Vaibhav Thakkar, Dr. Priya Singh

31. Code of ethics for research followed by the departments: Yes. As per the Institutional Ethics Review Committee of MGMDCH (Refer SOP V-02 of IERC)

32. Student profile program-wise:

The Selection process is done by AMUPMDC and data related is available with the competent authority. Student profile is according to the examination conducted by the MUHS and pass percentage is available with the department

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university/ Board	% of students from other universities within the State/ Board	% of students from universities outside the State/ Board	% of students from other countries
BDS 2011	91	6	2	1
BDS 2012	88	4	4	3
BDS 2013	91	7	1	1
BDS 2014	97	1	2	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

GRE: 10,

TOEFEL: 10,

MPH: 01

Total: 21

35. Student progression

Student progression	Percentage against enrolled				
	2011	2012	2013	2014	2015
UG to PG	18	21	23	20	26
PG to M.Phil, DM / M Ch / DNB	None	-	-	-	-
PG to Ph.D.	None	-	-	-	-
Ph.D. to Post-Doctoral	None	-	-	-	-
Employed					
A . Campus selection	-	-	5%	10%	15%
B. Other than campus recruitment	100%	100%	95%	90%	85%
Entrepreneurs	None				

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	20%
from other universities within the State	20%
from universities from other States	60%
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D. Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to

a) Library

- No. of Departmental Library Books: 20
- No. of journal: 06
- International: 0
- National: 06
- Total No. of CDs: 35
- Journals in Department Library: 06

b) Internet facilities for staff and students: 03 computers with internet facility

c) Total number of class rooms: 4+1

d) Class rooms with ICT facility and ‘smart’ class rooms: Yes, (WiFi available, CD for lectures available in the department)

e) Students’ laboratories: Yes, available

39. List of doctoral, post-doctoral students and Research Associates

a) From the host institution/university: NA

b) From other institutions/universities: NA

40. Number of post graduate students getting financial assistance from the university: NA

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology:

Yes, need assessment exercise was undertaken before new programs were introduced and based on the feedback from all the stake holders, essentiality certificate for BDS/ MDS course was obtained.

42. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Yes, faculty gives their feedback on curriculum as well as teaching-learning-evaluation in staff meetings. Depending on the feedback, suggestions are forwarded to the university authority for further action through college council.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Yes, Department takes feedback from students on staff, curriculum and teaching-learning-evaluation. This feedback is assessed and discussed at departmental staff

meetings. The suggestions are put up to the college council and IQAC for approval to be implemented for the improvement.

c. alumni and employers on the programs offered and how does the department utilize the feedback?

Yes, feedback was taken, suggestions analyzed and forwarded to university authorities to upgrade the curriculum.

43. List the distinguished alumni of the department (maximum 10)

- Dr. Trupti Sarode is Research assistant at University of Minnesota.
- Dr. Harsh Sharma, Lecturer, Lomalinda, USA.
- Dr. Prajakta Shanbhag is Research Assistant at the Dept. of Research and Nursing at University of Colorado, Denver, USA.
- Dr. Priyanka Machale - MDS in Public Health Dentistry and currently a staff in MGM Dental college, Navi-Mumbai.
- Dr. Juveria Sayyad is pursuing her post graduate studies in United States of America.
- Dr. Kishor Chindam has completed his MBA degree from the IIM, Trichi and is currently working with Carestream.
- Dr. Prashant Poplai is working in "Spreading Smiles" in North California.
- Dr. Deesha Majithia is "MAS" Manager at Global Health And Human Services in British, Columbia.
- Dr. Harish Konar is Manager, Medical Analyst, IKS, Powai.
- Dr. Zita Antoa is HR Manager and Recruitment, My Dentist, Mumbai.

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Total workshops organized: 5

1. June 2011-May 12.

Research methodology and Biostatistics workshop from 25 to 27th August 2011.

External expert: Dr. L Nagesh.

2. June 2012-May 2013:

Research methodology and Biostatistics workshop from 3rd to 5th October 2012, by MUHS.

External expert: Dr. Nirmal Rege, Dr. Rakhi Tripathi, Dr. Yashshree Shetty, Dr. Padmaja Marathe, Dr. Pankaj Sarkate, Dr. Sandhya Kamath.

3. June 2013- May 2014:

Research methodology and Biostatistics workshop from 12th to 14th August 2013 by MUHS

External expert: Dr. Nirmal Rege, Dr. Rakhi Tripathi, Dr. Yashshree Shetty, Dr. Padmaja Marathe, Dr. Pankaj Sarkate, Dr. Sandhya Kamath.

4. June 2014- May 2015:

Research methodology and Biostatistics workshop from 12th to 14th August 2014.

External expert: Dr. Nirmal Rege, Dr. Rakhi Tripathi, Dr. Yashshree Shetty, Dr. Padmaja Marathe, Dr. Pankaj Sarkate, Dr. Sandhya Kamath.

5. 2015 – Till date:

Research methodology and Biostatistics workshop from 10th to 12th august 2015.

External expert: Dr. Nirmal Rege, Dr. Rakhi Tripathi, Dr. Yashshree Shetty, Dr. Padmaja Marathe, Dr. Pankaj Sarkate, Dr. Sandhya Kamath.

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

- Standard Operating Procedures (SOP) are given to the students.
- Class room Lectures using power point presentations.
- Microteaching.
- Case based learning.
- Case discussions.
- Clinical chair side case discussions.
- Demonstrations.
- Field-visits.
- Dental Camps.
- Workshops.
- Seminars.
- Webinars.
- CDE Programmes.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- Regular feedbacks are taken from students and faculty.
- Regular undergraduate schedules are made and displayed to the students which have allowed us to ensure that the program objectives are met.
- Formative evaluation after every topic by giving multiple choice questions and evaluation.
- Summative evaluation by internal assessment examinations.
- Continuous assessment through regular Clinical posting, and posting-end examination with internal assessments and viva voce.
- By introducing Problem based and evidence based learning..

47. Highlight the participation of students and faculty in extension activities:

- CDE programs and conferences.
- Paper and poster presentations in conferences.
- Intra college cultural and sports activities.

- Inter college cultural and sports activities.
- Quiz competitions.
- Field Visits to primary health centre, water purification plant, waste disposal plant.
- Posting at Peripheral centers.
- NGO visits.
- Oral Health awareness programs in Rural Hospitals, Primary Health Centres, Peripheral centres, Shopping Malls, Ashrams, Schools and Colleges.
- Various Oral health camps.
- Yoga classes.
- Swachh Bharat Mission.
- Blood donation programs.
- Tobacco Initiative Intervention.
- Oral hygiene day.
- Tree plantation.
- Anti-tobacco campaign.

48. Give details of “beyond syllabus scholarly activities” of the department:

- Visit to Biomedical Waste Disposal Plant.
- Conducting Anti-tobacco Rally to create awareness regarding harmful effects of tobacco.
- Organizing Flash Mobs, Skit Performances and Street Plays to promote oral health.
- Preparing various oral health education models, presentations, posters and flipcharts.
- White Coat Ceremony.
- Elocution competition on Hindi Day.
- Book Clubs.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details. :

Yes, by DCI and MUHS.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- CDE programs on Research methodology and Biostatistics are carried out every year to generate new knowledge in the field of research.
- Various surveys are carried out by the faculty and interns, this enables to generate new knowledge in the distribution of various oral diseases in the local urban and rural areas and steps to be taken to improve the oral health status of the community.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths:

1. Free transport for patients.
2. Availability of the latest technology.
3. Qualified, young motivated staff.
4. Renowned accomplished teachers cum speakers.
5. Subsidized specialist treatment under one roof.

Weakness:

1. No Post Graduation Training in Public Health Dentistry.
2. Less number of collaborations.
3. Less Departmental space.
4. Limited application of newer preventive techniques.
5. Government funding to be accessed.

Opportunities:

1. Affiliations with allied institutions of learning.
2. Enhance quality of clinical work using given resources.
3. Availability of a medical college infrastructure to collaborate on clinical and research work.
4. Incorporation of technology.
5. Data from Research can be given to Govt for Planning the oral health policy.

Challenges:

1. Procuring funds for research.
2. Overlap of work execution with other departments due to lack of clearly defined inter departmental protocol.
3. Improve infrastructure of the department.
4. Collaborative research with industries.
5. Implementing dental services with concept of Public Private Partnership.

52. Future plans of the department.

- To conduct more research activities.
- To establish Post Graduation Training in Public Health Dentistry.
- To enhance inter-sectoral participation.
- Further expansion of outreach activities.
- Introduction of advanced preventive techniques.
- Conduction of Journal clubs in Department.
- Multi-centre clinical research.

Evaluative report of the Department

1. **Name of the Department:** Oral Pathology and Microbiology.
2. **Year of establishment:** 2003.
3. **Is the Department part of a college/Faculty of the university?:** Yes.
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.:**

Under Graduate - Bachelor of Dental Surgery (B.D.S)

Post Graduate – Master of Dental Surgery (M. D. S).

5. **Interdisciplinary programs and departments involved:**
Dental Departments involved in interdisciplinary programs are:
Prosthodontics, Conservative Dentistry, Pedodontics, Oral Medicine and Radiology, Orthodontics and Dentofacial orthopaedics, Community Dentistry, Periodontics and Oral and Maxillofacial Surgery.
Medical Specialties: General Anatomy, Physiology, Biochemistry, Pharmacology, General Pathology and Microbiology, General medicine, General Surgery and Dermatology.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** None.
7. **Details of programs discontinued, if any, with reasons:** None.
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:**
Annual examination system: I B. D. S, III B. D. S and M. D. S.
9. **Participation of the department in courses offered by other departments:** Yes.
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	As per DCI Requirement	Sanctioned	Filled and Actual
Professor	01	01	01
Associate Professors/Readers	02	02	02
Asst. Professors	-	-	-
Lecturer	01	02	02
Tutor	02	02	02
Senior resident	-	-	-
Total	06	07	07

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	Experience (Years)	Research under guidance
Dr. Shilpa Patel	MDS	Professor and Head	Oral Pathology and Microbiology	20years and 11 months	08
Dr. Jigna Pathak	MDS	Professor/ Associate professor	Oral Pathology and Microbiology	13years and 01 month	06
Dr. Kamlesh Dekate	MDS	Reader	Oral Pathology and Microbiology	9 years and 6 months	-
Dr. Niharika Swain	MDS	Lecturer	Oral Pathology and Microbiology	5years and 04 months	02
Dr. Janaki Iyer	MDS	Lecturer	Oral Pathology and Microbiology	03 months	-
Dr. Yogita Penkar	BDS	Tutor	-	12 years and 01 month	-
Dr. Nasreen Haque	BDS	Tutor	-	09 years and 3 months	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Emeritus Professor: Dr. L. S. Poonja.

Adjunct Faculty/ Guest Faculty: Dr. P. C. Gupta, Dr. D.K. Dafftary.

Visiting Faculty: Dr. Maninder Singh Sethia.

13. Percentage of classes taken by temporary faculty – program-wise information: We don't have any temporary faculty.

14. Program-wise Student Teacher Ratio:

Program	Student Teacher Ratio
BDS	14:1
MDS	1:1

15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual

	Sanctioned	Filled	Actual
Number of Technical staff	02	02	02
Number of Laboratory Assistants	02	02	02
Total	04	04	04

16. Research thrust areas as recognized by major funding agencies:

- Implication of prognostic factors in oral Precancer and cancer.
- Epidemiological study in tobacco habits and associated lesions.

- Identification methods in Forensic Odontology.
- Diagnostic aids in Microbiology.

17. Number of faculty with ongoing projects: a) National funding agencies: b) International funding agencies c) Total grants received, Give the names of the funding agencies, Project title, Grants received project-wise.

Number of faculty with ongoing projects -05

Sr. No.	Title of project	Name of faculty	Funding agency	Grants received
1	Institutional analysis of Fibroosseous lesions	Dr. Shilpa Patel	MGM Trust	Rs. 10,000/-
2	Evaluation of Digital Orthopantomograms of students for assessment of the frequency and nature of Incidental findings-An Institutional Analysis.	Dr. Jigna Pathak	MGM Trust	Rs. 10,000/-
3	Assessment of DNA damage (micronuclei) in oral exfoliated cells and prevalence of premalignant and malignant lesions among workers of Talaja Industrial area	Dr. Kamlesh Dekate	MGM Trust	Rs. 10,000/-
4	Immunocharacterisation of tumor budding and its correlation with lymph-node metastasis in oral squamous cell carcinoma-A retrospective study	Dr. Niharika Swain	MGM Trust	Rs. 10,000/-
5	Evaluation of the micro-structure of the Dentino-enamel junction in deciduous teeth using ground section	Dr. Janaki Iyer	MGM Trust	Rs. 10,000/-

18. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration:

Inter-institutional collaborative projects:

a. National collaboration:

- Evaluation of multisized gold nano particles associated reproductive toxicity in male and female zebra fish (*Danio rerio*).: Department of Medical Genetics, MGM Medical College and Hospital.
- Quantitative Evaluation Of Serum Myoglobin, Albumin, Globulin Levels And Albumin/Globulin Ratio In Oral Squamous Cell Carcinoma - A Prospective Study: Department of Biochemistry, D. Y. Patil Medical College and Hospital, Navi Mumbai.
- Comparative Evaluation of Staining Efficacy of Calcofluor White and Acridine Orange for Detection of Candida Species using Fluorescence Microscopy – A Prospective Microbiological Study: Department of Microbiology and Department of

Pathology, MGM Medical College and Hospital.

- Immunoexpression and correlation of Tumour Infiltrating B lymphocytes, in Oral Squamous Cell Carcinoma with lymph node status-A Retrospective study.:Department of Microbiology, MGM Medical College and Hospital.

b. International collaboration: Nil.

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE;DBT, ICSSR, AICTE, etc.; total grants received: None

20. Research facility / centre with

- **State recognition:** Yes.
- **National recognition:** Yes.
- **International recognition:** Nil.

21. Special research laboratories sponsored by / created by industry or corporate bodies: Nil.

22. Publications:

- **Number of papers published in peer reviewed journals (National/ International):** 51.

Number of national publications – 30.

Number of international publications – 21.

(Details of publications are available in the department)

- **Monographs:** Nil.
- **Chapters in books:** Nil.
- **Books edited:** Nil.
- **Book with ISBN with details of publishers:**
Dr. Niharika Swain
Malignant odontogenic Neoplasm: ISBN No: 978-3-8433-5390-8
LAP LAMBERT publishing GmbH and Company, Saarbrucken, Germany.
- **Number listed in international database (For e.g. Web of science, Scopus, humanities International Complete, Dare Database – international social sciences Directory, EBSCO host, Mediline etc.):** 51.
Pubmed indexed articles-28.
- **Citation Index:** Range: 0 – 11; Average: 3.92
- **SNIP (Source Normalized Impact per Paper):** Range of Scores: 0.57 – 1.459; Average: 1.135
- **SJR (SCImago Journal Rank):** Range: 0.125 – 1.275; Average: 0.683
- **Impact factor – range/average:** Range: 0.975 -3.61; Average: 2.542
- **h-Index range:** Range: 0 – 4; Average : 02

23. Details of patents and income generated: Nil.

24. Areas of consultancy and income generated:

Histopathological reporting of tissues of referral biopsies by private dental practitioners.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

National:

Dr. Shilpa Patel.

Dr. Jigna Pathak.

International: Nil.

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (specify)

a) National committees:

Dr. Shilpa Patel

Dr. Jigna Pathak

b) International committees: Nil

c) Editorial Boards

Nil

Reviewers:

1. Dr. Jigna Pathak , Peer review committee of Terna Journal of Dental Sciences.
2. Dr. Kamlesh Dekate, International Journal of Dental Science.
3. Dr. Niharika Swain, British medical journal Case reports. Tumor Biology.
4. Dr. Janaki Iyer, Tumour Biology.

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). 41.

28. Student projects

Percentage of students who have taken up in-house projects including inter-departmental projects:

UG: 10%

PG: 100%

Percentage of students doing project in collaboration with other universities/ industry/institute:

PG: 22%

29. Awards / recognitions received at the national and international level by

• **Faculty:**

Dr. Niharika Swain:

- West Bengal University of Health Sciences (WBUHS) topper in MDS Examination, 2010.

Dr. Janaki Iyer:

- Maharashtra University of Health Sciences (MUHS) topper in I BDS, II BDS, III BDS and IV BDS Examination, 2002- 2006.

- Gold medal, II BDS, MUHS Examination.
- Maharashtra University of Health Sciences (MUHS) topper in MDS Examination, 2015.

Doctoral / post doctoral fellows: Nil

Students:

- **Balasubraniam Shanker:** 1st Award for poster presentation held at MAGNUM, MGMDCH, 19th January 2015.
- **Balasubraniam Shanker:** 1st Award for paper presentation held at 68th IDC, 15th February 2015.
- **Dr. Nikitha Narayanan:** Best session poster award at, 23th IAOMP National Conference, 28th November 2014.
- **Dr. Nikitha Narayanan:** Best review poster award at, 23th IAOMP National Conference, 28th November 2014.
- **Dr. Amit Shah:** Maharashtra University of Health Sciences (MUHS) 2nd topper in MDS Examination, 2014.
- **Dr. Nikitha Narayanan:** 2nd Award for paper presentation held at MAGNUM, MGMDCH, 19th January 2015.
- **Dr. Vishal Punjabi:** Senior student award (undergraduate certificate of merit) awarded by the Pierre Fauchard Academy India Section, 2014.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

2011- 2012

1. **CDE Programme “Tobacco Control Research in India”. Date: 20th September 2011**

Faculty: Dr P.C. Gupta

Source of funding: Self

Resource Persons: Dr. Shilpa Patel, Dr. L. S. Poonja, Dr. Jigna Pathak, Dr. Kamlesh Dekate, Dr. Shwetha Kumar, Dr. Yogita Penkar and Dr. Nasreen Haque. No. of Delegates : 05

2012- 2013

1. **CDE Programme “Stem Cells - From bench to bedside”. Date: 10th October 2012.**

Faculty: Dr. Ajay Kakkar and Dr. Aman Kapoor

Source of funding: Self

Resource Persons: Dr. Shilpa Patel, Dr. L. S. Poonja, Dr. Jigna Pathak, Dr. Kamlesh Dekate, Dr. Niharika Swain, Dr. Shwetha Kumar, Dr. Yogita Penkar and Dr. Nasreen Haque.

No. of Delegates : 126

2013- 2014

1. **Scientific session of XXII national conference of Indian Association of Oral**

and Maxillofacial Pathologists (IAOMP). Date:8th-10th November 2013

Faculty: Dr. Francesco Spadari, Dr. Dario Costantino, Dr. Anita Borges, Dr. Shubda

Kane, Dr. Pankaj Chaturvedi, Dr. D.K. Daftary, Dr. Hemant Umarji, Dr. Nilam Andrade,

Dr. Jay Gopal Ray.

Source of funding: Principal sponsor – Colgate.

Resource Persons: Scientific Convenor-Dr. L. S. Poonja

Scientific Committee- Dr. Shilpa Patel, Dr. Jigna Pathak, Dr. Kamlesh Dekate, Dr. Niharika Swain and Dr. Shwetha Kumar.

No. of Delegates : 440

2. CDE programme on “Immunohistochemistry and its application” Date:11th March 2014.

Faculty: Dr. Rajiv Desai, Dr. Munita Bal.

Source of funding: Analytical Instruments.

Resource Persons: Dr. Shilpa Patel, Dr. L. S. Poonja, Dr. Jigna Pathak, Dr. Kamlesh Dekate, Dr. Niharika Swain, Dr. Shwetha Kumar, Dr. Yogita Penkar and Dr. Nasreen Haque.

No. of Delegates : 104

2014- 2015

1. CDE programme “Diagnostic challenges in FNAC and Histopathology of salivary gland tumors and Histopathological variants of OSCC and its clinical implications” Date: 20th March 2015

Faculty: Dr. Shubda. V. Kane

Source of funding: Self

Resource Persons: Dr. Shilpa Patel, Dr. L. S. Poonja, Dr. Jigna Pathak, Dr. Kamlesh Dekate, Dr. Rahul Kadam, Dr. Yogita Penkar and Dr. Nasreen Haque.

No. of Delegates : 41

2015- 2016

1. CDE programme “Basic workshop in Health science and education technology” Date:19th-21st August 2015.

Faculty: Medical faculty from MGM Medical college and Hospital, SJ Somaiya Medical

college and Hospital, GS Medical college and KEM Hospital.

Source of funding: Self.

Resource Person: Course Coordinator- Dr Jigna Pathak

No. of Delegates : 30

2. CDE programme Applicability and scope of forensic odontology as a crime investigation technique in India” Date: 14th September 2015.

Faculty: Dr. Hemlata Pandey

Source of funding: Self

Resource Persons: Dr. Jigna Pathak,

No. of Delegates : 124

31. Code of ethics for research followed by the departments:

As per Institutional Ethics Review Committee MGMDCH (Refer SOP V-02 of IERC).

32. Student profile program-wise:

Selection process is done by AMUPMDC and data related to it is available with competent authorities.

The student profile is according to the examination conducted by the MUHS and the pass percentage is available with the department.

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university/ Board	% of students from other universities/ Board within the State	% of students from universities/ Board outside the State	% of students from other countries
BDS- 2011	91	6	2	1
BDS- 2012	88	4	4	3
BDS- 2013	91	7	1	1
BDS- 2014	97	1	2	0
MDS- 2011	100	0	0	0
MDS- 2012	67	0	33	0
MDS- 2013	33	0	67	0
MDS- 2014	67	0	33	0
MDS- 2015	100	0	0	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

GRE – 10

TOEFL- 10

MPH – 01

Total – 21

35. Student progression

Student progression	Percentage against enrolled				
	2011	2012	2013	2014	2015
UG to PG	18 %	21 %	23 %	20 %	26 %
PG to M. Phil, DM/ M Ch/ DNB	-	-	-	-	-
PG to Ph. D.	-	-	-	-	-
Ph. D. To Post-Doctoral	-	-	-	-	-
Employed					
A) Campus selection	-	-	05%	10%	15%
B) Other than campus recruitment	100%	100%	95%	90%	85%
Entrepreneurs	-				

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	14%
from other universities within the State	57%
from universities from other States	29%
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period: Nil.

38. Present details of departmental infrastructural facilities with regard to

a) Library:

i. Number of books in Department Library: 90

ii. Number of Journals :

▶ International –14

▶ National – 03

▶ Online – 15

iii. Library Dissertations – 12

iv. Dissertations – 09

v. Seminars-304

vi. DVD – 12

vii. CD-35.

b) Internet facilities for staff and students: 03 Computers with Internet Facility.

c) Total number of class rooms: 04 + 02 Seminar Rooms.

d) Class rooms with ICT facility and ‘smart’ class rooms: Yes 4+2 (Wi-Fi available and CD For Lectures available in department).

e) Student’s laboratories: 01.

f) Research Laboratories: 01 (Central Lab)+02(Departmental).

39. List of doctoral, post-doctoral students and research associates: Nil.

a) From the host institution/university : NA.

b) From other institution/ universities : NA.

40. Number of post graduate students getting financial assistance from the university: None.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology: Yes. Need assessment exercise was undertaken before the new programs were introduced and based on the feedback from stake holders, essentiality certificate for BDS/MDS course was obtained.

42. Does the department obtain feedback from:

a) Faculty on curriculum as well as teaching-learning-evaluation? Yes.

How does the department utilize the feedback?

The department faculty gives its feedback on curriculum and teaching learning evaluation in staff meetings. Depending on the feedback suggestions are forwarded to the University Authority for further action through the College Council.

b) Students on staff, curriculum and teaching-learning-evaluation? Yes.

How does the department utilize the feedback?

Department takes feedback from students on staff, curriculum and teaching-learning evaluation. This feedback is assessed and discussed at the departmental staff meetings. The suggestions are put up to the college council and IQAC for approval to be implemented for the improvement.

c) Alumni and employers on the programs offered

How does the department utilize the feedback?

Yes, feedback is taken and suggestions analysed and forwarded to university for up gradation of curriculum.

43. List the distinguished alumni of the department (maximum 10): Undergraduate Students:

1. Dr. Trupti Sarode is Research assistant at University of Minnesota.
2. Dr. Harsh Sharma, Lecturer, Lomalinda, USA.
3. Dr. Prajakta Shanbhag is Research Assistant at the Dept. of Research and Nursing at University of Colorado, Denver, USA.
4. Dr. Anuradha Mohite - MDS in Prosthodontics and currently a staff in MGM Dental college, Navi-Mumbai.
5. Dr. Juveria Sayyad is pursuing her post graduate studies in united states of America.
6. Dr. Kishor Chindam has completed his MBA degree from the IIM , Trichi and is currently working with Carestream.
7. Dr. Prashant Poplai is working in "Spreading Smiles" In North California.
8. Dr. Deesha Majithia is "MAS" Manager at Global Health And Human Services in British, Colombia.
9. Dr Harish Konar is Manager, Madical Analyst, IKS, Powai.
10. Dr. Zita Antoa is HR Manager and Recruitment, My Dentist, Mumbai.

Postgraduate students:

1. Dr. Deepak Kelgandre(2011-2014)-Lecturer at YCMM and RDF Dental college and Hospital, Ahmednagar.
2. Dr. Janaki Iyer (2012-2015)- Lecturer at MGM Dental college and Hospital, Navi Mumbai.
3. Dr. Vipul Pawar (2012-2015)-Lecturer at Dr. Hedgewar Smruti Rugna Seva

Mandal's Dental College and Hospital, Hingoli.

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Total program conducted - 07

June 2011-May 2012

1. **Special lecture- "Tobacco Control Research in India".** Date: 20th September 2011.

External Expert : Dr P.C. Gupta.

June 2012-May 2013

2. **Special lecture- "Stem Cells - From bench to bedside".** Date:10th October 2012.

External Expert : Dr. Ajay Kakkar and Dr. Aman Kapoor.

June 2013- May 2014

3. **Scientific session of XXII national conference of IAOMP.** Date:8th-10th November 2013.

External Expert: Dr. Francesco Spadari, Dr. Dario Costantino, Dr. Anita Borges, Dr. Shubhda Kane, Dr. Pankaj Chaturvedi, Dr. D.K. Daftary, Dr. Hemant Umarji, Dr. Nilam Andrade, Dr. Jay Gopal Ray.

4. **Special lecture- on "Immunohistochemistry and its application"** Date:11th March 2014. (Funded by Analytical Instruments).

External Expert: Dr. Rajiv Desai, Dr. Munita Bal.

June 2014- May 2015

5. **Special lecture-"Diagnostic challenges in FNAC and Histopathology of salivary gland tumors and Histopathological variants of OSCC and its clinical implications"** Date: 20th March 2015.

External Expert: Dr. S. V. Kane (Professor and Head, Dept. of Cytopathology, TMH, Mumbai).

June 2015- May 2016

6. **WorkShop- "Basic workshop in Health science and education technology"** Date:19th-21st August 2015.

External Expert: Medical faculty from MGM Medical college and Hospital, S. J. Somaiya Medical college and Hospital, GS Medical college and KEM Hospital.

7. **Special lecture- Applicability and scope of forensic odontology as a crime investigation technique in India"** Date: 14th September 2015.

External Expert: Dr. Hemlata Pandey (Department of Forensic Medicine and Toxicology, GS Medical college and KEM Hospital).

45. List the teaching methods adopted by the faculty for different programs including clinical teaching

Under graduate students:

- Power point Teaching.
 - Micro-teaching.
 - Use of digital display units to demonstrate the steps in tooth carving.
 - SOP's.
 - Display of the fix focus of histopathology slides.
 - Use of models and specimen, charts and casts for discussion.
 - Tutorials.
 - Seminars.
 - Revision class.

Post graduate students:

- Case based discussions.
- Chair side clinical discussion.
- Seminars.
- Journal Clubs.
- Conducting periodic Continuing Dental Education programmes for enrichment.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

UG:

- Periodic Internal Assessment, feedback is collected after every lecture and at the end of the term.
- Projects undertaken on specific topics with specific learning objectives for better understanding of a subject.
- Spotter identification and description.
- Encourage them to participate and present papers in various conferences.
- Innovative teaching methods.
- Seminars are presented by the students.
- Formative and summative method of evaluation for students are done.

PG:

- Article reading and journal club and seminar presentations.
- Slide identification and discussion.
- Active participation in Laboratory procedures such as histopathology, hematology and cytopathology.
- Participation in camps for imparting oral precancer and cancer awareness at peripheral centres, screening for precancerous lesions and counselling for oral disease prevention.
- Reflective learning, peer assisted learning, evidence based learning, problem based learning, OSCE, OSPE.

47. Highlight the participation of students and faculty in extension activities.

- Participation in Oral Hygiene Day, Blood Donation Camp, Anti tobacco campaign

and Swachha Bharat Abhiyaan.

- Organizing Cancer detection camps by Faculty and postgraduate students for screening of Precancer/ cancerous lesions in rural and industrial areas.
- Creation of oral cancer awareness among mass population through audiovisual presentations.
- Poster and paper presentations.
- Inter and Intra college cultural and sports activity.
- Tree plantation.

48. Give details of “beyond syllabus scholarly activities” of the department.

For undergraduate students:

- White coat ceremony.
- Charts.
- Poster and paper presentation by under graduate students in national conferences.
- Models.
- Quiz.
- Attending workshop by EDUHUB and Dale Carnegie.
- Visit to cancer home in Assam Bhavan, Vashi for imparting patient education.
- Photography insight.
- Participation in Cancer detection camps for screening of Precancer/ cancerous lesions in rural and industrial areas.

**49. State whether the program/ department is accredited/ graded by other agencies?
If yes, give details.**

Yes, by DCI and MUHS.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Developing newer protocol for decalcification of bone for tissue processing.
- Organizing Continuing dental education programmes and national conferences with eminent speakers.
- Having interdepartmental meetings for a holistic approach towards treatment planning.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Skilled faculty.
- Attachment of the institution with a well facilitated medical college.
- Good infrastructure with spacious department, advanced equipment such as penta-

head microscope and updated library resources.

- Synoptic Oncopathology reporting.
- Histopathological Consultancy offered for referral specimens.
- Establishment of collaboration with various Institutes to carry out the research activity.

Weakness

- Lack of advanced aids for hematological investigations.
- Unavailability of advanced diagnostic aids such as Immunohistochemistry , molecular techniques and genetics.
- Absence of clinical trials.
- Limited funded research.

Opportunities

- Department can be a registry for premalignant and malignant lesions associated with tobacco and other various habits in Navi Mumbai, India.
- Well preserved archival material as blocks for research studies.
- Provide higher educational qualifications like PhD programme.
- To establish an independent state of the art microbiology laboratory.
- Incorporate innovative teaching methodology .

Challenge

- To procure funds for research purposes.
- To establish and run Immunohistochemical and microbiology laboratory.
- Involvement of faculty in research activities.
- Frequent lecture delivery by eminent foreign faculty.
- To hold national and international level workshops.

52. Future plans of the department.

- To be a part of the national precancer and cancer registry.
- To establish a state of the art immunohistochemistry and microbiology laboratory.

Evaluative Report of the Department

1. **Name of the Department:** Anatomy
2. **Year of establishment:** 1989
3. **Is the Department part of a School / Faculty of the university?**
Yes, MGM Medical College, Navi Mumbai under MGMIHS, Navi Mumbai
4. **Names of programmes offered (UG, PG, Ph.D., Integrated Masters; Integrated Ph.D., M.Sc., Bsc etc.)**
UG-MBBS, BDS, BSc allied health sciences, BSc nursing, BPTH PG-MD, MSc Medical Anatomy, MSc clinical embryology, MSc genetics, PhD Medical Anatomy
5. **Inter disciplinary programmes and departments involved:**
Yes as per MCI rotation posting in all departments
6. **Courses in collaboration with other universities, industries, foreign institutions etc.:** None
7. **Details of programmes discontinued, if any, with reasons:** Nil
8. **Examination System: Annual/ Semester /Trimester/Choice Based Credit System:**
Annual-MBBS, BDS, MDS, and BSc allied health sciences, BSc Nursing, BPTH Semester –MSc Medical, MSc Clinical Embryology, MSc genetics
At the end of the three years-MD, Phd Medical Anatomy
9. **Participation of the department in the courses offered by other departments:**
MD/MS/Diploma, All Preclinical, Paraclinical and Clinical Course
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned as per DCI	Filled	Actual
Professor	1	1	1
Associate Professors	1	1	1
Asst. Professors	2	2	2

11. **Faculty profile with name, qualification, designation, area of specialization; experience and research under guidance**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. /M.Phil. / MD/MSc students guided for the last 4 years
Dr. Anjali Sabnis	MS	Professor	Human Anatomy	13 yrs	11

Dr. Lalita Chavan	MD	Associate Professor	Human Anatomy	9 yrs9mnths	NIL
Dr. Charushila Shinde	MD	Assistant Professor	Human Anatomy	8 yrs	NIL
Dr. Monali Sonawane	MD	Assistant Professor	Human Anatomy	5 1/2 yrs	NIL

12. List of senior visiting fellows, adjunct faculty, and emeritus professors:

Dr.Aruna Mukherjee

13. Percentage of classes taken by temporary faculty-programme-wise information:
NA

14. Programme-wise Student Teacher Ratio:

UG-MBBS (10:1), BDS-33:1, BSc (Allied Health Sciences) – 40:1

PG-MD (1:1), MSc Medical Anatomy (1:1), PhD Medical Anatomy (4:1), MDS-6:1

15. As per MCI requirement number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned as per MCI	Filled	Actual
Technician	02	02	02
Lab Assistant	01	02	02
Lab Attendant	01	02	02
Clerk cum store keeper	01	01	01
Sweeper	02	02	02

16. Research thrust areas as recognized by major funding agencies related to Anatomy: Immunohistochemistry, Stem cells and Genetics.

17. Number of faculty with ongoing projects from

Sr. No.	Title of ongoing research project(National)	Name of faculty	Grant received
1	Comparative study of umbilical cord in normal and Adverse pregnancy outcome patients.	Dr. Mrinalini Gaikwad	NIL
2	Morphogenesis and Histogenesis of human foetal spleen	Mr. Rajiv Mukhia	NIL
3	Embryogenesis of human gonads	Dr.Sumi Elizabeth	NIL
4	Proliferative capacity and functional activity of thyroid progenitor cells in developing human fetuses	Mr.Kishor Patil	NIL
5	Functional activity and proliferative capacity of retinal progenitors cells in different gestational age fetuses	Mr.Prakash Mane	NIL
6	Age related changes in human hypothalamus	Dr.Pravin Rathod	NIL
7	A study of neuronal and glial changes in olfactory pathway with age	Dr.Monali Sonawane	NIL

18. Inter-Institutional collaborative projects and associated grants received:

- a) National collaboration: Nil
- b) International collaboration: Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, ICMR, AICTE, etc.; total grants received: Nil

20. Research facility / centre with

- State recognition: Yes
- National recognition: Yes, MCI and SIRO
- International recognition: Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies:

Following labs are established by MGMIHS;

Central Research Laboratory, Genetic Laboratory, Stem Cell Laboratory, Proteomics Lab, Sleep lab, skilled lab and services are available for all researchers.

22. Publications:

- **Number of papers published in peer reviewed journals:** (National/ International) 51, National: 5, International: 46
Monographs: Nil
- **Chapters in Books**
Dr. Keshaw Kumar Published following books in Anatomy
 - ▶ Everlasting Laws of Angiology
 - ▶ Spiritual Anatomy
- **Edited Books:** Nil
- **Books with ISBN with details of publishers:** 01 (details with the department)
- **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database: International Social Sciences Directory, EBSCO host, etc):**32
- **Citation Index:** range / average 0-1
- **SNIP:** Source normalize impact: Range 0.677 - 1.240/Average 0.917
- **SJR:** Smitts journal rank: 0.314-3.825/Average 2.054
- **Impact Factor:** range / average: 0.715-5.99/Average 2.686
- **h-index:** Nil

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generated: Genetic lab-
2014: Rs-33,000/- 2015: Rs-1,88,000

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

Dr. Keshaw Kumar

26. Faculty serving in

- a. National Committees: Nil
- b. International committees: Nil
- c. Editorial Boards: 1
- d. Any other:
 - ▶ Member of Board of Studies: 4
 - ▶ Member of Academic council: 1
 - ▶ Member of antiragging committee: 1
 - ▶ Chairman of committee for prevention for sexual harassment and violence against women: 1
 - ▶ Member of committee for prevention for sexual harassment and violence against women: 1

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs): 43

28. Student projects

- **Percentage of students who have done in-house projects including inter departmental projects:**
- **Percentage of students doing projects in collaboration with other universities / industry /institute: MD / PhD / MSc (Medical Anatomy)**

Course	Ongoing No.	%	Completed No.	%
M.Sc.	1/19	5.3	18/19	94.7
MD	1/18	5.5	17/18	94.5
PhD	7/10	70	3/10	30

29. Awards / recognitions received at the national and international level by

- **Dr. Keshaw Kumar** was honored by following awards
 - i. Vijanana Parishad Shatabdi Samman in 2012
 - ii. Hind ka Gaurav Award in 2010
 - iii. Bharat Shiksha Ratna Award in 2009
 - iv. Bharat Jyoti Award in 2008
 - v. Gem of India Award in 2008
 - vi. Arch of excellence (Medicare) award in 2008
- **Dr. Lalita Chavan:** awarded in 2012 under Dr Nanasaheb Dharmadhikari Pratishthan (Guinness book of world record)

- **Doctoral / post doctoral fellows:** PhD - 07

- **Students**

- Dr. Sonali Vidhale: Vice Chancellor Gold Medal 2010
- Dr. Bhavana Junagade: Gold medal in MD Anatomy-2014
- Students inter college quiz programme conducted by Elsevier – First 5 positions

30. Seminars / Conferences / Workshop organized and the source of funding (national /international) with details of outstanding participants, if any:

Hands on International Workshop on cadaveric maxillofacial surgery conducted in department of anatomy, M.G.M. Medical College, Navi Mumbai 2011.

Source of funding-MGMIHS

31. Code of ethics for research followed by the departments:

As per the ICMR guidelines of Biomedical research on Human participants 2006 and CPSA guidelines research on animals.

32. Student profile programmes-wise:

The selection process is done by AMUPMDC and the data related is available with the competent authorities. The student profile is according to the examination conducted by the MUHS and the pass percentage is available with the department.

33. Diversity of students

Name of the Programme (refer to question no.4)	% of students from the same university	% of students from other universities within the state	% of students from universities outside the State	% of students from other % countries
BDS-2011	91%	6	2	1
BDS-2012	88%	4	4	3
BDS-2013	91%	7	1	1
BDS-2014	97%	1	2	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise. Nil

35. Student progression

Student progression	Percentage against enrolled				
	2011	2012	2013	2014	2015
UG to PG	18%	21%	23%	20%	26%
PG to M.Phil.	None				
PG to Ph.D.	None				
Ph.D. to Post-Doctoral	None				

Employed					
Campus selection	-	-	5%	10%	15%
Other than campus recruitment	100%	100%	95%	90%	85%
Entrepreneurs	None				

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	Nil
from other universities within the state	70%
from universities from other states	30%
from universities outside the country	-

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: 03

Haritha Kumari N. completed in April 2013

Dr. Mini Mol Completed in June 2015

Kishwor Bhandari in November 2015

38. Present details of departmental infrastructural facilities with regard to

- Library:** Yes
- Internet facilities for staff and students:** Yes, NKN line with 1GB capacity available
- Total number of class rooms:** 3
- Class rooms with ICT facility:** 3
- Students laboratories:** As per MCI there are 08 labs that is shared by all depts.
- Research laboratories:** 4 central research labs Shared by all departments

39. List of doctoral, post-doctoral students and Research Associates (MD/MS/Ph.D./ research associates)

a) From the host institution/university:

MD Students

- Dr. Vaishali Dhamne

PhD Students

- Mrs. Mrinalini Gaikwad
- Mr. Rajiv Mukhia
- Mr. Kishor Patil
- Mr. Prakash Mane
- Dr. Sumi E. R.
- Dr. Monali Sonawane

vii. Dr. Pravin Rathod

b) **From other institutions/ universities:** Nil

40. Number of post graduate students getting financial assistance from the university: 1

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

Yes, for MD Anatomy course assessment was done at Institutional level, State level (DMER) and National level (MCI).

42. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

- ▶ Feedback on curriculum by faculties is discussed in Board of Studies meetings.
- ▶ Periodical examinations, counseling, personal discussions and remedial classes.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

- ▶ Remedial steps are taken for short coming and enforce the positive outcomes in Feedback Forms via departmental meetings

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?

- ▶ Alumni cell feedback. Employer's guidance through academic meetings

43. List the distinguished alumni of the department (maximum 10):

Dr. Seema Anjenaya, Prof and HOD PSM, MGM Medical College, Navi Mumbai
Dr. Vikram Shivkumar, USA
Dr. Deepali Nemade, USA
Dr. Jay Mehata, Head Histopathology, SRL
Dr. Meer Umer, Excise department, Mumbai

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts: Nil

45. List the teaching methods adopted by the faculty for different programmes:

Seminars, lecture demonstrations, small group demonstrations, lectures, practicals

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- i. By conducting regular tests,
- ii. Dissection table viva,
- iii. Oral examinations and
- iv. Feedback from students

47. Highlight the participation of students and faculty in extension activities.

Students take part in seminars and interactive sessions in small group teaching

48. Give details of “beyond syllabus scholarly activities” of the department.

- ▶ Participation of students in intercollegiate debates and quizzes
- ▶ Horizontal and Vertical Integration
- ▶ Induction programme-orientation for UG and PG

49. State whether the programme/ department is accredited / graded by other agencies? If yes, give details:

Yes.

- ▶ Medical Council of India Recognized, Central Government Recognized
- ▶ NAAC 'A' grade for MGM Medical College.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

- a. Dr. Keshaw Kumar put forth following theory of arterial atherosclerosis –
“Tunica intimal density of lipids in an artery is directly proportional to pulse pressure of blood flowing in the lumen of that artery”.
- b. Dr. Keshaw Kumar put forth following laws of arterial pulsation
 - i. Pulsatory power of an artery is directly proportional to pulse pressure multiplied by volume of blood entering the lumen of that artery during each heart beat.
 - ii. Pulsatory power of an artery is directly proportional to wall (Tunica Media) thickness of that artery having 1mm wall thickness is reported as 2000 Joule per heart beat.
 - iii. Arterial lumen circumference in millimeters equals with the volume of blood in milliliters entering the lumen of that artery during each heart beat.
- c. Regular public presentations to increase the awareness of body donation.

51. Detail five Major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Major Strengths:

- Highly qualified and efficient faculty
- Good infrastructure
- Provide abundant cadavers to students for dissection
- Good audiovisual teaching aids and good supply of microscopic slides and real bones for teaching
- Good Museum
- Cytogenetics lab
- Clinical embryology
- Body donation programme

Weakness:

- Electron microscope
- Immunohistochemistry lab
- Developmental anatomy

- Osteology-real bone bank to be developed
- Library can be updated

Opportunities:

- Availability of experienced senior faculty in the department
- Enough scope for the faculty to undertake research projects in various disciplines of Anatomy as the institution is having well advanced central research laboratory
- Enhancement of teaching- learning methods
- Exposure of faculty to different modalities of students
- Collaborative workshop with clinical faculty

Challenges

- To obtain electron microscopes
- To setup plastination laboratory
- To establish Immunohistochemistry laboratory
- To establish Fluorescent in Situ Hybridization
- To established genetic OPD

52. Future plans of the department.

- Development of immunohistochemistry facility in histology laboratory
- To develop a Plastination laboratory
- To introduce Laproscopic study on cadavers
- To establish teratology laboratory
- To establish cadaveric lab
- To establish Fluorescent in Situ Hybridization
- To established genetic OPD

Evaluative Report of the Department

1. **Name of the Department:** Physiology
2. **Year of establishment:** 1989
3. **Is the Department part of a college/Faculty of the university?** Yes
4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M. Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

MBBS, MD, MSc (Medical), Ph.D. (Medical), BDS , MDS, BSc Allied Health sciences, BSc-Nursing, BPTTh.
5. **Interdisciplinary programs and departments involved -**

UG: Department of Medicine – Early Clinical Exposure
PG (M Sc)- Departments of Medicine, Microbiology, Pathology, Biochemistry and Surgery
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**

Sleep laboratory: Pennsylvania University USA
7. **Details of programs discontinued, if any, with reasons:** None
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:**

Yes,
 - Annual – (I MBBS, I BDS, I BSc Paramedical sciences, I BPTTh)
 - Semester -MSc (Medical Physiology)
 - At the end of course – MD (Physiology), PhD (Medical)
9. **Participation of the department in the courses offered by other departments:** Yes
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	DCI Requirement	Sanctioned	Filled	Actual
Professor	-	-	-	1
Associate Professor	1	1	1	3
Assistant Professor	2	2	2	4
Lecturer	-	-	-	-
Tutor / Clinical Instructor	-	-	-	2
Sr. Resident	-	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	Research under guidance
Dr. R. S. Inamdar	MD	Professor	Medical Physiology	39 years	MD-12 PhD-1 M.Sc-3
Dr. M. V. Math	MD	Assoc. Prof.	Medical Physiology	23 Years	M.Sc- 4
Dr. Sanhita Walawalkar	MD	Assoc. Prof.	Medical Physiology	14 Years	M.Sc -3
Dr. Rita K.	MD	Assoc. Prof.	Medical Physiology	10 Years	M.Sc -1
Dr. Yashoda K.	MD	Assist. Prof.	Medical Physiology	9 Years	MBBS (STS)-1
Dr. S. M. Patel	MD	Assist. Prof.	Medical Physiology	20 Years	-
Dr. Shanti V.	MD	Assist. Prof.	Medical Physiology	8 Years	-
Dr. Prachi P. Patil	MD	Assist. Prof.	Medical Physiology	3 Years	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Adjunct faculty: Dr. Maninder Singh Setia, Epidemiologist.

13. Percentage of classes taken by temporary faculty – program-wise information:

We do not have any temporary faculty.

14. Program-wise Student Teacher Ratio:

Name of the Program	Student Teacher Ratio
UG-MBBS	15:1
BDS	30:1
BSc (Paramedical Sciences)	15:1
PG-MD	1:1
MSc (Allied Health Sciences)	2:1
MSc Medical Physiology	1:1
PhD Medical Physiology	1:1
MDS	6:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

	Sanctioned	Filled	Actual
Technician	01	01	01
Lab Assistant	01	01	01
Lab Attendant	01	01	01

Clerk cum store keeper	01	01	01
Sweeper	02	02	02

16. Research thrust areas as recognized by major funding agencies:

ICMR Thrust Areas for Research: Nutrition and Non-communicable Diseases, Micronutrients, Nutritional Problems of Ageing, Environment and Nutrition, Hypertension among school children, Developing Indian norms for lipid parameters, Exercise Physiology, Pain, Stress, life style and its impact on mind body interactions, Neurobiology of addictive diseases, Chrono-biology and circadian rhythms

17. Number of faculty with ongoing projects (a) National (b) International funding agencies and (c) Total grants received: Give the names of the funding agencies, project title and grants received project-wise: Nil.

18. Inter-institutional collaborative projects and associated grants received

- National collaboration: - None
- International collaboration: - None

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

Sr. No.	Title of the project	Name of the faculty	Funding agency	Grant received
1	Clinical effect of virgin olive oil on dental plaque (Jan–Dec 2014)	Dr. M. V. Math	MGMIHS	Rs. 8000/-
2	A Cross-sectional Study of Exercise Response of Respiratory Parameters and their Correlation with Body Mass Index and Lean Body Mass (IC-MR-STs – Project 2014)	Dr. Yashoda R. Kattimani Ms. Shweta Sharma (I MBBS Student)	MGMIHS	Rs. 24000/-
3	Instruments, Chemicals, Regents are provided for all MD, M.Sc. and PhD students for their research work		MGMIHS	Rs.1,16,000 /-
Total				Rs. 1,48,000/-

20. Research facility / centre with

- State recognition -yes
- National recognition --yes
- International recognition -Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies:

Following special research laboratories are established by MGMIHS are:
Genomic ,Proteomics ,Stem cell ,Sleep ,Skill laboratories.

22. Publications:

- **Number of papers published in peer reviewed journals (national / international):** 22, National – 4, International - 18.
- **Monographs:** Nil
- **Chapters in Books:** Nil
- **Books edited:** Nil
- **Book Published -Books with ISBN with details of publishers:** 01 (details available with department)
- **Author, title of Topic/book published, Edition / year:**
Nobel laureates in Physiology or Medicine (1901-2013) booklet Compiled by Dr. R. S. Inamdar and Mr. Govinda Akela
- **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):** 22
Web of Science – 11
Scopus – 11
Google scholar – 18
Med line / Index Medicus – 14
Index Copernicus - range 5.09-24.50 / average 12.07
- **Citation Index:** range 021 / average 1
- * **SNIP:** range 1.043-2.008 / average 1.416
- * **SJR:** range 0.531-1.596 / average 1.086
- * **Impact Factor:** range – 1.0302-17.4 / average 4.120
- * **h-index:** Nil

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generated: Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad – National: Dr. R. S. Inamdar.

26. Faculty serving in

a. National committees

- Dr. R. S. Inamdar, Life member APPI
- Dr. M. V. Math, Life member APPI
- Dr. Rita M. Khadkikar, Life member APPI, Life member PSI

- Dr. Yashoda R. Kattimani, Life member APPI
- Dr. Sachin Patel, Blood Donation Camp Advisor
Disaster Management Committee Organiser for BMC, Mumbai.

b. International committees Nil

c. Editorial Boards Nil

d. Any other (specify): IQAC MGMIHS -1. Dr Rita M Khadkikar

Member of board of studies: 4

Name	BOS
Dr. R. S. Inamdar	Pre Clinical MGMIHS
Dr. Sanhita Walawalkar	Pre Clinical MGMIHS
Dr. Yashoda K.	MGM Institute's University Department of Biomedical Sciences
Dr. Shanti V.	BPTTh MGMIHS

Member of academic council 1:

1. Dr. R. S. Inamdar

Member of Medical education Unit-2:

1. Dr. R. S. Inamdar

2. Dr Rita M Khadkikar

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

Training program (MEU) – 7

MEU Workshop -2

28. Student projects

- **Percentage of students who have taken up in-house projects including inter-departmental projects MD, M.Sc., PhD**
PG Projects Percentage
MD – 100%
M.Sc. – 100%
PhD – 100%
- Percentage of students doing projects in collaboration with other universities / industry / institute: Nil

29. Awards / recognitions received at the national and international level by

- **Faculty:**
 - Dr. Prajakta Radke, 2013, JNMC, Wardha, 1st prize -Poster Presentation.
 - Dr. Manjree Dube, 2012, MGM MC, Navi Mumbai, 1st prize -Poster Presentation.
- Students: Sunaina Soni, 2011-2013, First Rank in MSc Medical Physiology,- Gold Medal

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Workshop “Global Perspectives on Medical Education and Its Relevance to India”
Tuesday, January 6, 2015

Source of funding: MGMIHS

Details of outstanding participants:

International:

Dr. Ronal Harden	Professor of Medical Education, Editor of Medical Teacher Journal
Dr. John Den (Honorary Reader)	Honorary Reader in Orthopaedic Surgery and Medical Education at the University of Dundee, and International Liaison Officer with AMEE
Dr. Nivritti Patil	Hon. Clinical Professor and Senior Adviser at Centre for Education and Training University of Hongkong
Dr. Patricia Lilley	Director, AMEE, Managing Editor, Medical Teacher Journal
Dr. Madalena Maria Patricio	Professor University of Lisbon, Portugal. Past President AMEE and BEME

National:

Dr. S. N. kadam	Vice Chancellor, MGMIHS, Navi Mumbai
Dr. Vedprakash Mishra	Chairman EPSI Medical Committee, Chancellor, KIMSU, Karad
Dr. Avinash Supe	Professor and Head of Department, Gastro-intestinal surgery, Seth G. S. Medical College, Mumbai. Founder Member and Director, GSMC-FAIMER
Dr. Shibban K. Kaul	Pro Vice Chancellor, MGMIHS. Ex Director, AFMC, Pune
Dr. Chander Puri	Pro Vice Chancellor, MGMIHS. Ex Director ICMR and NIRRH
Dr. Shashikant Ahankari	Founder - Halo Medical Foundation. Member of four Maharashtra state level committees
Dr. K. R. Salgotra	Medical Superintendent, MGM Hospital, Navi Mumbai. Ex Professor: AFMC Pune. Ex Director and Commandant (CEO): Military Hospital Cardiothoracic Centre (MH CTC) Pune
Dr. Alaka Deshpande	Professor, Medicine, Grant Medical College and Sir J. J. Hospital, Mumbai
Dr. Aloke Banerjee	Professor and Head, Neurology, MGM Hospital, Navi Mumbai
Dr. R. S. Inamdar	Ex Dean Grant Medical College and Sir J. J. Hospital, Mumbai
Dr. Bageshree Seth	Professor, Pediatrics, MGM Hospital, Navi Mumbai

31. Code of ethics for research followed by the departments:

As per the ICMR guidelines of Biomedical research on Human participants

32. Student profile program-wise: The selection process is done by AMUPMDC and the data related is available with the competent authorities. The student profile is according to the examination conducted by the MUHS and the pass percentage is available with the department

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
BDS – 2011	91	6	2	1
BDS – 2012	88	4	4	3
BDS – 2013	91	7	1	1
BDS – 2014	97	1	2	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.:

35. Student progression:

Student progression	Percentage against enrolled				
	2011	2012	2013	2014	2015
UG to PG	18 %	21 %	23 %	20 %	26 %
PG to M. Phil / DM / M Ch / DNB	None	None	None	None	None
PG to Ph.D.	None	None	None	None	10 %
Ph.D. to Post-Doctoral	None	None	None	None	None
Employed					
▶ Campus selection	-	-	5%	10%	15%
▶ Other than campus recruitment	100%	100%	95%	90%	85%
Entrepreneurs	None	None	None	None	None

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	75%
from other universities within the State	25%
from universities from other States	None
from universities outside the country	None

37. Number of faculty who were awarded M. Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to

a. Library:

	Existing	Newly added	Total
	No.	No.	No.
Text Books	104	Nil	104
Reference Books	384	Nil	384
e-Books	-	Nil	Nil
Journals	-	Nil	Nil
e-Journals	-	Nil	Nil
Digital Database	-	Nil	Nil
CD and Video	2	Nil	2
Others (specify) – Dissertation	10	Nil	10

b. Internet facilities for staff and students: 8 Computers, NKN line, 1GB available

c. Total number of class rooms: 3

d. Class rooms with ICT facility and ‘smart’ class rooms: 3

e. Students’ laboratories: 3

f. Research laboratories: 1

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

MD Students

- i. Dr. Prajakta Radke
- ii. Dr. Farhat N.
- iii. Dr. Amita Verma
- iv. Dr. Madhur Rai

PhD Students

- i. Mr. Santosh Kumar Sah

b) From other institutions/universities: Nil

40. Number of post graduate students getting financial assistance from the university:

MD – 1

M.Sc. – 5

PhD - 1

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology. :

Institutional level

State level - DMER

National level- MCI and DCI

42. Does the department obtain feedback from

a) **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**

- ▶ Feedback on curriculum is taken by faculties and discussed in BOS for discussion and approval.
- ▶ Periodical examination, counseling ,mentoring, remedial classes conducted as per requirement.

b) **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?**

Remedial steps are taken for short comings and enforce the positive outcomes via departmental meetings.

c) **alumni and employers on the programs offered and how does the department utilize the feedback?**

Alumni cell feedback, Employer's guidance through academic meetings.

43. List the distinguished alumni of the department (maximum 10):

- Dr. Deepali Nemade, USA
- Dr. Vikram Shivkumar, USA
- Dr. Seema Anjenaya, Prof. and HOD Community Medicine, MGM Medical College. Navi Mumbai
- Dr. Meer Umer, Excise department, Mumbai
- Dr. Jai Mehata, Head Histopathology, SRL
- Dr. Kiran Mali, Deputy Medical Superintendent at MGM Hospital, CBD Belapur, Navi Mumbai
- Dr. Anahita Hodiwala, Professor, Department of Microbiology, MGM Medical College. Navi Mumbai

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts. :

Sr. No.	Date	Topic	External Expert	Target audience
1	09.01.2012	Free Radicals and Antioxidants in Health and disease (Conf.)	Dr. T. P. A. Devasagayam Dr. Irfan Rahman Dr. Frank Antoniceili Dr. A. N. Suryakar Dr. Young-Joon Surh	Faculty and Students

Sr. No.	Date	Topic	External Expert	Target audience
2	24.01.2012	Medicine Update 2012 (CME)		Faculty and Students
3	25.03.2012	Enhancing Productivity of a Doctor (CME)		Faculty and Students
4	26-29.06.12	Training in Research and Methodology (CME)		Faculty and Students
5	05.04.2013	Autopsy CME and workshop	Dr. D. N. Lanjewal	Faculty and Students
6	11-12.10.2013	Diabecon 2013	Dr. V. Mohan Dr. Sharad Pendsey Dr. A. K. Das	Faculty and Students
7	06.01.2015	Workshop on Global Perspective on Medical Education and its relevance to India	Dr. Harden	Faculty and Students
8	4.9.2015 to 5.9.2015	Sleep Disorders	Dr. Allen Pack	Faculty and Students

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

Lectures, Tutorials, Seminars, Demonstration, Practicals, Quizzes, Research Methodology. Use of Audio Visual Instruments (LCD, OHP)

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

By conducting regular tests and oral examinations and evaluation of feedback forms

47. Highlight the participation of students and faculty in extension activities:

Students and faculty participated in:

- Blood donation camp
- School health checkup camp

- WHO day celebration
- World Heart day celebration
- Swach Bharat Abhiyan
- Rashtriya Ekta Diwas' (National Unity Day) celebration
- Students take part in seminars and interactive sessions in small group teaching

48. Give details of “beyond syllabus scholarly activities” of the department.
Participation of students in intercollegiate debates (prizes for 3 students) and quizzes, extra-curricular activities

Innovative practices:

1. Horizontal and Vertical Integration
2. Intermedical quiz completion – participation
3. Innovative Tutorials – ‘Think-Team-Share’ activity
4. Microteaching – for PG students
5. Induction programme – orientation for UG and PG

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details. :

Medical Council of India Recognized, Central Government Recognized, NAAC ‘A’ grade for MGM Medical College.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied :

Health promotion – Wellness Program, Use of olive oil in Maintaining Oral Health

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

i. Major Strengths:

- Good Infrastructure
- Qualified faculty
- Well organize teaching program
- Horizontal integration
- Mentor system

ii. Weakness:

- No Direct involvement with current patient’s problems
- Lack of extra mural funding
- Motivation of faculty for research
- Educational research
- Training in Education and Research

iii. Opportunities:

- To develop health wellness programs
- To collaborate with clinical departments for research projects

- To start M.Sc. in clinical nutrition
- To do research in sleep medicine
- To prepare model syllabus

iv. Challenges:

- To attract more candidates for M.D. (Physiology) Course
- To motivate faculty for taking projects in thrust areas
- To hold national conference of APPI
- To develop yoga centre
- To prepare integrated teaching program for MBBS course

52. Future plans of the department.

- Collaborative Research Projects:
- Cardiology
- Neurology
- Respiratory Medicine
- Wellness Counseling Centre Fitness, Yoga, Diet, Exercise, Sports Physiology.

Evaluative Report of the Department

1. **Name of the Department:** Department of Biochemistry
2. **Year of establishment:** 1989
3. **Is the Department part of a School / Faculty of the university?** Yes,
MGM Medical College, Navi Mumbai under MGMIHS
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.):**UG-MBBS, BDS, BSc., PG-MD, Msc, MDS
5. **Inter disciplinary programmes and departments involved:** Yes
6. **Courses in collaboration with other universities, industries, foreign institutions etc:** None
7. **Details of programmes discontinued, if any, with reasons:** None
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:**
Semester: B.Sc, M.Sc.,
Annual: MBBS, BDS, BPTH, B.Sc (Nursing)
At the end of course: MD, MDS
9. **Participation of the department in the courses offered by other departments:** Yes
MD (Pre-clinical, Para-clinical and Clinical courses)
MDS BSc. and MSc. courses under Department of Allied Health Sciences
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned As Per DCI	Filled	Actual (including CAS and MPS)
Professor	-	-	02
Associate Professors	01	01	01
Asst. Professors	01	01	03
Others	-	-	04

11. Faculty profile with name, qualification, designation, area of specialization; experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. /M.Phil/ M.Sc/ MD students guided for the last 4 years
Dr. A. D. Deepak	MBBS, MD	Professor and Head	Biochemistry	22 yrs	MD- 04 MSc. – 08
Dr. Z. G. Badade	M.Sc, PhD	Professor	Medical Biochemistry	25 yrs	MD -02 Ph.D- 04 M.sc-11
Dr. Parineeta Samant	M.Sc, Ph D	Asso. Prof	Medical Biochemistry	21 yrs	Nil
Dr. Kavita More	M.Sc, Ph D	Asst. Prof	Medical Biochemistry	12yrs	Nil
Dr. Santosh Gawali	MBBS, MD	Asst. Prof	Biochemistry	4.5yrs	Nil
Dr. Ashwini Jantikar	MBBS, MD	Asst. Prof	Biochemistry	4yrs	Nil
Dr. Vinita Singh	MBBS, MD	Asst. Lect	Biochemistry	3yrs	Nil
Ms. Sneha Pawar	M.Sc	Asst. Lect	Medical Biochemistry	6yrs	Nil
Dr. Sneha Wadalkar	MBBS	Asst. Lect	-	2yrs	Nil
Dr. Priyanka Rao	MBBS	Asst. Lect	-	2yrs	Nil

12. List of senior visiting fellows, adjunct faculty, and Emeritus professors:

Adjunct faculty: Dr. Maninder Sethia, Epidemiologist

Visiting fellows: Dr. Pramod Ingle and Dr. Leela Abhichandani

13. Percentage of classes taken by temporary faculty-programme-wise information:
Nil

14. Programme-wise Student Teacher Ratio:

Sr. No.	Course	Ratio
1	UG- MBBS, BDS	10:1
2	PG - MD	2:1
3	M.Sc	2:1
4	B.PTh	8:1
5	B.Sc.	30:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Support staff	Sanctioned	Filled	Actual
Clerk cum store keeper	01	01	01
Technician	02	02	02
Lab Assistant	01	01	01
Sweeper	01	01	01

16. Research thrust areas as recognized by major funding agencies:

Diabetes mellitus, Metabolic syndrome, cardiovascular diseases, Nutrition, Free Radical and Antioxidants

17. Number of faculty with ongoing projects from (a) National, (b) International funding agencies and (c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: None

18. Inter-Institutional collaborative projects and associated grants received

a) National collaboration: Nil

b) International collaboration: Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil

20. Research facility / centre with

- **State recognition :** Yes, Medical College and Hospital
- **National recognition :** Yes, Medical College and Hospital SIRO recognition, Central Research Laboratory by MCI and Central Clinical Laboratory by NABL.
- **International recognition:** Nil

21. Special research laboratories sponsored by/created by industry or corporate bodies:

Following special research laboratories are established by MGMIHS

- Genomics laboratory
- Proteomics laboratory
- Stem cell laboratory
- Sleep Laboratory
- Skill Laboratory

22. Publications:

- **Number of papers published in peer reviewed journals (National/ International):** 30
- **Monographs:** Nil
- **Chapters in Books:** 01 (Dr. Badade, Plant Mitochondria and gene expression, APH publishing corporation)
- **Edited Books:** Nil
- **Books with ISBN with details of publishers:** 01 (details with the department)
- **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc):** 25
- **Citation Index – range / average:** Nil
- **SNIP:** Nil
- **SJR:** Nil
- **Impact Factor – range 1.486-6.71 / average 3.863**
- **h-index:** Nil

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generated: Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

- Dr. A. D. Deepak
- Dr. Z.G Badade

26. Faculty serving in

- National Committees** : Yes
- International committees:** Nil
- Editorial Boards:** Dr. Z.G Badade member of Editorial Board MGM journal of medical Science Editor in chief of Bio info publication journal.
- Any other (please specify)**
 - Member of Board of Studies:** Dr. A. D. Deepak and Dr. Z.G Badade
 - Member of Academic Council:** Dr. A. D. Deepak
 - Faculty of Medical Education Unit:** Dr. A. D. Deepak
 - Chairman of Institutional Ethics Committee,** D. Y. Patil Medical College, Navi Mumbai: Dr. A. D. Deepak

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs): 62

28. Student project

- **Percentage of students who have done in-house projects including inter departmental projects:** M.Sc (Medical Biochemistry), MD, PhD.

Course	Ongoing no.	%	Completed no.	%
M.Sc. from 2007	13/28	46	15/28	54
MD from 2011	01/06	16.6	05/06	83.4
Ph. D from 2009	06/09	66.7	03/09	33.3

- **Percentage of students doing projects in collaboration with other universities / industry institute:** 30%

29. Awards / recognitions received at the national and international level by

- Faculty -
- Doctoral / post doctoral fellows
- Students

Faculty

1. Kavita More, ZG Badade, RK Sharma, JG Narshetty, DS Joshi, S Mukherjee, AK Gangawane, V Harinath, Birendra Kumar Yadhav 'Sperm chromatin integrity and oxidative stress in male infertility.

Received first Prize in poster presentation, in International Conference Free Radical and Antioxidants in Health and Diseases in Jan 2013.

2. Parineeta Samant, ZG Badade, Sandeep Rai, Shiwani Malghan, and BK Mathur 'Serum nitric oxide status and brachial artery in type-2 diabetes mellitus with hypertension'.

Received third Prize in oral presentation in International Conference Free Radical and Antioxidants in Health and Diseases' in Jan 2013.

3. Parineeta Samant "Association of Glu 298Asp variants with hypertension, serum nitric oxide".

-Received Best Poster in SFRR-INDIA-14 at Frontiers in Biotechnology and Bioinformatics " NCFIBB2014 on 30-01-14 to 31-01-14, CBD, Belapur - Dr. D.Y. Patil Medical College.

4. Kavita More, ZG Badade, RK Sharma, JG Narshetty, DS Joshi, S Mukherjee, AK Gangawane and V Harinathan. 'Total oxidant status and total antioxidant capacity in infertile men: correlation with sperm chromatin integrity and P1/P2 ratio', SFRR, Kolkatta, Jan 12-14, 2012.

Achieved Travel Award for Best Paper in International conference on Emerging Trends in Free Radicals, antioxidants and neutraceuticals on health, disease and radiation biology.

5. Kavita More, ZG Badade “Study of sperm DNA integrity, P1/P2 ratio, oxidative stress, antioxidant status and various semen characters in male infertility”.
Received Best Thesis Award SFRR-INDIA-14 at “Recent Trends in Free Radical and Antioxidant Research” 27-01-14 to 28-01-14, at Lonavala.
6. A.D. Deepak, Z G Badade, Kavita More “Relation of Seminal oxidative stress with sperm DNA damage and P/P2 ratio in idiopathic and asthenospermic infertile men”.
Received 1st Prize poster presentation at D.Y. Patil Medical College, Kolhapur.
7. Z G Badade, Kavita More, “Oxidative stress and proinflammatory marker in septic patients pre and post infusion SMOF.
Received 2nd Prize poster presentation Nov 2013 at D.Y. Patil Medical College, Kolhapur.
8. Z G Badade, Kavita More “Impact of parental lipid emulsion with SMOF on inflammatory markers and oxidative stress in patients with sepsis” 2013.
Received 2nd Prize poster presentation at MGM Medical College, Aurangabad
9. Z G Badade, Preeti Pachpute a comparative evaluation of CK- MB and Cardiac Troponin - I as an early diagnostic biomarker for the diagnosis of acute myocardial infarction (AMI).
Received Thomas Edison Award at Photon Journal International Journal of Biochemistry, 2013.
10. Dr.Kavita More: Received Best Thesis presentation at D.Y. Patil Medical College, Kolhapur, April-2014.
11. Dr.Kavita More: - Received 2nd Prize poster presentation in national conference on Current scenario in genetics, 5-6th May 2014 at MGM Medical College, Aurangabad.

- **Doctoral / post doctoral fellows**

Dr. Kavita More

Dr. Parineeta Samant

Dr.Tanaji Jadhav

30. Seminars / Conferences / Workshop organized and the source of funding (national /international) with details of outstanding participants, if any. Yes

Organized by	Organized Seminar / CME Name of Programme / Conf / Workshop	Out Standing Participants and Speakers
Dr. Z. G. Badade	Technological Challenges in developing Affordable In-Vitro Molecular Diagnosis, funded by MGMIHS on 11 th – 14 th March 2012	1.Nancy Reynolds 2.G.Ranganathan 3.Reynold Washington

	International Conference on Free radical and antioxidants in Health and disease on Jan 2012 funded by MGMIHS	Dr. Frank Antonocelli - Oxidative stress and inflammation Dr. A. N. Suryakar - Free radicals and anti-oxidants in health and diseases. Dr. Young - JoomSurh - Cancer Prevention through dietary nutrients
	International Symposium on Advances in BioMedical Sciences on 31 st Jan 2014 by MGMIHS	
Dr. A. D. Deepak	Workshop on ‘GOODCLINICAL PRACTICES’ ON 26-27 th August 2013, funded by MGMIHS , Emprocell and J.P Brothers	Dr. Vishwa Mohan Katoch, Director General Indian Council of Medical Research and Secretary, Department of Health Research Dr. N. K. Ganguly Ex. Dir Gen. ICMR and Advisor. THSTI, New Delhi Dr. Rajiv Sarin, Director ACTREC, Navi Mumbai Dr. Avinash Supe, Dean LTMMC, Mumbai
Dr. N. Mohanty	PIACON-2015	Dr. H. Paramesh Dr. Gadadhar Saranji

31. Code of ethics for research followed by the departments:

- As per IERC (Institutional Ethical Review Committee)
- ICMR ethical guidelines as per 2006 are followed for biomedical research in on human participants.
- CPSA guidelines are followed for experimental analysis.

32. Student profile program-wise: The selection process is done by AMUPMDC and the data related is available with the competent authorities. The student profile according to the examination conducted by the MUHS and the pass percentage is available with the department.

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Details available with the Dental College				

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: Nil

35. Student progression

Student progression	Percentage against enrolled				
	2011	2012	2013	2014	2015
UG to PG	18 %	21 %	23 %	20 %	26 %
PG to M.Phil / DM /M Ch / DNB	none	-	-	-	-
PG to Ph.D.	none	-	-	-	-
Ph.D. to Post-Doctoral	none	-	-	-	-
Employed					
· Campus selection	-	-	5%	10%	15%
· Other than campus recruitment	100%	100%	95%	90%	85%
Entrepreneurs	none	-	-	-	-

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	10%
from other universities within the state	70%
from universities from other states	20 %
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period. 02

38. Present details of departmental infrastructural facilities with regard to:

a. Library: Yes

b. Internet facilities for staff and students:

Yes, National Knowledge Network interface 1 GB (NKN0) available, Also 02 computer in the department.

c. Total number of class rooms: 02

d. Class rooms with ICT facility 01

e. Students laboratories: 01

f. Research laboratories: 01

g. Clinical Biochemistry Laboratory: 02

List of books and journals available in central library

BOOKS	759
Departmental Library	154
Thesis	20
JOURNALS FOR 2014	05
A) NATIONAL	03
B) INTERNATIONAL	02

39. List of doctoral, post-doctoral students and Research Associates.

a. From the host institution/university: 05 (PhD Medical Biochemistry)

- ▶ Dr. Santosh Gawali
- ▶ Dr. Preeti Pachpute.
- ▶ Mrs. Sneha Pawar
- ▶ Ms. Yogita Phaphale
- ▶ Mr. Vijay Shah

b. From other institutions/ universities: 03 (PhD Medical Biochemistry)

- ▶ Dr. B.P. Mishra
- ▶ Mrs. Gazala

c. From the host institution/university: 02 (MD Biochemistry)

- ▶ Dr. Santosh Gawali
- ▶ Dr. Manu Menon

d. From other institutions/ universities: 04 (MD Biochemistry)

- ▶ Dr. Preeti Panchpute
- ▶ Dr. Vinita Singh
- ▶ Dr Sneha Wadalkar
- ▶ Dr. Priyanka Rao

40. Number of post graduate students getting financial assistance from the university :02

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes, for MD Biochemistry course assessment was done at

- ▶ Institutional level
- ▶ State level (DMER)
- ▶ National level (MCI)

42. Does the department obtain feedback from:

a. faculty on curriculum as well as teaching-learning-evaluation? If yes how does the department utilize the feedback? Yes,

The feedback on curriculum is taken from faculties, is forwarded through proper channel to be discussed in Board of Studies for approval and implementation.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Remedial steps are taken for short coming and enforce the positive outcomes in Feedback Forms via departmental meetings.

c. Alumni and employers on the programmes offered and how does the department utilize the feedback?:

Alumni cell feedback. Employer's guidance through academic meetings.

43. List the distinguished alumni of the department (maximum10) :

Dr Santosh Gawali	Lecturer	MGM Medical College .Navi Mumbai
Dr. Vinita Singh	Lecturer	MGM Medical College .Navi Mumbai
Dr. Parineeta Samant	Associate Professor	MGM Medical College .Navi Mumbai

Dr. Kavita More	Lecturer	MGM Medical College .Navi Mumbai
Dr Seema Anjenaya	Head Of Department in PSM	MGM Medical College .Navi Mumbai
Dr. Manu Menon	Biochemist Consultant	Kokilaben Hospital,Andheri
Dr Baliram Ghodke	Lecturer	MGM Medical College .Navi Mumbai
Dr. Kiran Mali	Resident in PSM	MGM Medical College .Navi Mumbai

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.:

Sr. No.	Programme	Date	Venue/Place	Target Audience
1	Workshop on Research methodology	27 th -30 th June 2011	MGM Medical College, Navi-Mumbai	PG
2	International Conference on Free radical and antioxidants in Health and disease	Jan 2012	MGM Medical College, Navi-Mumbai	UG And PG
3	Technological Challenges in developing Affordable In-Vitro Molecular Diagnosis	11 th – 14 th March 2012	MGM Medical College, Navi-Mumbai	UG And PG
4	Workshop on Research methodology	May 2012	MGM Medical College, Navi-Mumbai	PG
5	Workshop on ‘ GOOD-CLINICAL PRACTICES’	26-27 th August 2013,	MGM Medical College, Navi-Mumbai	UG And PG
6	Workshop: Latest trends in haemoglobinopathies	4 th jan 2014	GMC, Mumbai	UG And PG
7	International Symposium on Advances in BioMedical Sciences	31 st Jan 2014	MGM Medical College, Navi-Mumbai	UG And PG
8	PIACON-2015	25-27 Sept.2015	MGM Medical College, Navi-Mumbai	UG And PG

45. List the teaching methods adopted by the faculty for different programmes.

Teaching methods adopted by the faculty for different programmes are Small group teaching, Tutorials, Interactive discussion, Didactic lectures, Seminars.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Through Periodical assessment, Internal Exams, Tutorials, Seminars, analysis of result

Also feedback is taken from the students, staff and examiners.

47. Highlight the participation of students and faculty in extension activities:

- Inter college quiz competition for students
- Clinical meeting
- Clinical Biochemistry Meet at Mumbai and Navi-Mumbai Level
- Oral and Poster presentations in State and National Conferences

48. Give details of “beyond syllabus scholarly activities” of the department:

Participation in yearly Inter College Quiz Competition in Biochemistry at LTM Medical college, Sion, Mumbai. Students are encouraged to present their research work in national and international conferences.

49. State whether the programme/ department is accredited / graded by other agencies? If yes, give details: Yes

Department is NAAC accredited and Laboratory is NABL and NABH accredited

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

- ▶ Ethics and communication skills
- ▶ Free radicals and antioxidants

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- ▶ Dedicated faculty.
- ▶ Good infrastructure.
- ▶ Dedicated epidemiologist.
- ▶ Well equipped Departmental Clinical Laboratory.
- ▶ Well equipped Central Research Laboratory.
- ▶ Well equipped Central Clinical Laboratory.

Weaknesses

- ▶ To establish collaborations with international agencies.
- ▶ Difficulty in getting extra mural funding from central agencies.
- ▶ Requirement of multiple internet nodes in the department for research purpose.
- ▶ Non availability of biomedical engineer in Medical College.

Opportunities

- ▶ To increase number of investigations.
- ▶ To Increase number of tests in tests in clinical Biochemistry.
- ▶ To increase number of presentation in national and international conferences.
- ▶ To publish more number of papers in journals with good impacts factor.

Challenges

- ▶ Establish Advance special laboratory for Biochemistry.
- ▶ Extra mural funding for research projects.
- ▶ Improvement in instrumental facility in departmental PG research laboratory.
- ▶ To motivate staff and students for their betterment.

52. Future plans of the department.

- To offer advance laboratory facilities in Biochemistry.
- To strengthen Research environment at department and institute level.
- Strengthen green initiative in the department.
- To achieve patents in nutraceuticals.

Evaluative Report of the Department

1. **Name of the Department:** Pharmacology
2. **Year of establishment:** 1989
3. **Is the Department part of a School / Faculty of the university?** Yes
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.):**
 - UG:- B.Sc (AHS), MBBS,BDS.
 - PG:- MD, MDS, M.Sc
 - Ph.D
5. **Inter disciplinary programmes and departments involved: For UG and PG teaching following departments are involved.**
 - Pre-Clinical:- Anatomy, Physiology and Biochemistry
 - Para Clinical:- Pharmacology, Microbiology, Pathology and FMT
 - Clinical :- PSM, Opthal, ENT, Medicine, Surgery, Pediatrics, Psychiatry
6. **Courses in collaboration with other universities, industries, foreign institutions:** None
7. **Details of programmes discontinued, if any, with reasons:** None
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:**
 - Semester: M.Sc
 - Annual: BDS, MBBS, BSc
 - At the end of three years: MD, MDS
9. **Participation of the department in the courses offered by other departments:** Yes
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	D.C.I Req	Sanctioned	Filled	Actual (including CAS and MPS)
Professor	-	-	3	3
Associate Professors	1	1	1	1
Asst. Professors	3	3	4	4
Others(tutors)	-	-	11	11

11. Faculty profile with name, qualification, designation, area of specialization; experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Exp	No. of Ph.D. /M.Sc. guided for the last 4 years (on going)
Dr. Y.A Deshmukh	MBBS, MD	H.OD Professor	Pharmacology	40 years	4
Dr. Savita. Shahani	MBBS, MD	Professor	Pharmacology	35 Years	
Dr. Ipseeta Ray	MSc, PhD	Professor	Pharmacology	14 years	2
Dr. Harish Lalan	MBBS, MD	Associate Professor	Pharmacology	8 years	-
Dr. Pradeep Jadhav	MBBS, MD	Assistant Professor	Pharmacology	8 years	-
Mrs. Savitri Katlam	MSc	Assistant Professor	Pharmacology	9 years	-
Dr. Snigdha Senapaty	MBBS, MD	Assistant Professor	Pharmacology	2 years 9 months	-
Dr. Baliram Ghodke	MBBS, MD	Assistant Professor	Pharmacology	2 years 5 months	-
Ms. Savitri Katlam	Lecturer	M.Sc. (Med Pharma)	Pharmacology	10 yrs	-
Dr. Priya Ann Sam	Tutor	MBBS	-	2 years 7 months	-
Dr. Urmila Salve	Tutor	MBBS	-	2 years 7 months	-
Dr. Ashwini Satpati	Tutor	MBBS	-	2 years 7 months	-
Dr. Kishor Khotkar	Tutor	MBBS	-	1 year 7 months	-
Dr.Arun.Patil	Tutor	MBBS	-	1 year 7 months	-
Dr.S.Kolte	Tutor	MBBS	-	1 year 7 months	-
Dr. Ashustosh Kakade	Tutor	MBBS	-	1 year 7 months	-
Dr. Vivek Bamel	Tutor	MBBS	-	7 months	-
Dr. Kedar C	Tutor	MBBS	-	7 months	-
Dr.Pooja Deb	Tutor	MBBS	-	7 months	-
Dr. Amit Patel	Tutor	MBBS	-	7 months	-

12. List of senior visiting fellows, adjunct faculty, emeritus professors:

Dr Manider Singh Sethia

13. Percentage of classes taken by temporary faculty programmewise information:

We do not have temporary faculty.

14. Programme-wise Student Teacher Ratio:

Program	Student Teacher Ratio
MBBS	15:1
MD	2:1
BDS	25:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

	Sanctioned	Filled	Actual
Veterinary surgeon	1	1	1
Technicians	2	2	2
Lab assistant	1	1	1
Animal house attendant	1	1	1
House keeping	2	2	2
Clerk	1	1	1

16. Research thrust areas as recognized by major funding agencies:

- Herbal Medicines: DST, Government of India
- Diabetes: ICMR, , Government of India
- Pharmacovigilance, Medical Ethics: MGM Institute of Health Sciences

17. Number of faculty with ongoing projects

- National - 1
- International funding agencies and
- Total grants sanctioned = 16 Lacs

Give the names of the funding agencies, project title and grants received project-wise.

Sr. No.	Title of Project	Name of Faculty	Funding Agency	Grant Received
1	Development of nature alternatives to synthesis of DPPIV Inhibitors for diabetes with metabolic syndromes	Dr. Ipseeta Ray	ICMR (N0 58/2/2014-BMS)	16 Lacs (Sanctioned)

18. Inter-Institutional collaborative projects and associated grants received: None

- a. National collaboration
- b. International collaboration

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received :

Sr. No	Title of Project	Funding Agency	Amount Received / Sanctioned in INR
1	'Studies on the Cardioprotective potential of Medicinal plants and their molecular mechanisms of action'. Research Project Completed (2006 – 2009)	DST Grant No: (SR/FT/L-124/2005)	6,72,000/-
2	Developing Natural Alternatives to Synthetic Dipeptidyl peptidase-4 Inhibitors for Diabetes with Metabolic Syndrome for the period of March 15 to Feb 18	(ICMR No-2013-2695) for the period of March	16,00,000/- sanctioned
3	Impact of structured counseling on choice of Contraceptive method among post-partum women	ICMR(Reference ID - 2014-00084). ICMR (STS Project) for the academic year 2014-2015.	10,000/-
4	Acceptance of Contraceptive method among post-partum women	ICMR(Reference ID-.No.21/1/2015 - BMS-STs). ICMR (STS Project) for the academic year 2015-2016	10,000/-

20. Research facility / centre with

- State recognition: Yes
- National recognition: Yes (SIRO) Scientific and Industrial Research Organization
- International recognition: None

21. Special research laboratories sponsored by / created by industry or corporate bodies: None

22. Publications:

- **Number of papers published in peer reviewed journals (National/International):** Total 33
 - ▶ National: 09
 - ▶ International: 24
- **Monographs:** Nil
- **Chapters in Books:** One, Rajesh Kumar Suman, Y A Deshmukh, Ipseeta Mohanty Ray. Pharmacotherapy, Cost analysis and Prescribing Patterns of Glaucoma. Lambert academic.

publishing company, Germany, 2014.(ISBN: 3659161187)

- **Edited Books:** None
- **Books with ISBN with details of publishers:**
- **Citation Index:** range / average:
- **SNIP:**
- **SJR:**
- **Impact Factor:** range / average:
- **h-index:** all details available in the department

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generated: Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and Abroad: Dr. Y. A. Deshmukh

26. Faculty serving in (a) National Committees, (b) International committees, (c) Editorial Boards, (d) Any other (please specify)

Dr. Y.A Deshmukh	Member advisory committee NGJRF Expert : Deputy DGCI inspection of BA/BE Centers (Mumbai, Navi Mumbai and Thane) Chairman Ethics committee Terna Medical College Faculty for ICMR Sponsored Clinical Pharmacology Training Course
Dr. Ipseeta Ray	Member Secretary: Animal Ethics committee Institutional Ethics committee MGM Medical College

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs): Medical Council of India (M.C.I) – Basic Course in Medical Education Technology and Workshop in Research Methodology.

28. Student project

- **Percentage of students who have done in-house projects including inter departmental projects:**

Course	Projects	%
M.Sc. from 2007	5/7	72
MD from 2011	13/16	81
Ph. D from 2009	05/6	83

- **Percentage of students doing projects in collaboration with other universities / industry /institute:** One

29. Awards / recognitions received at the national and international level by:

- **Faculty :** Dr YA Deshmukh- Prabhavati Vad Prize of Bombay University
Dr Ipseeta Ray- FAIMER Fellowship
- **Doctoral / post doctoral fellows:** Nil
- **Students:** Nil

30. Seminars / Conferences / Workshop organized and the source of funding (national /international) with details of outstanding participants, if any: One (National)

Sr.No.	Programme	Date	Venue/Place	Target Audience
1	Workshop on ' GOOD-CLINICAL PRACTICES'	26-27 th August 2013,	MGM Medical College, Navi-Mumbai	UG And PG

31. Code of ethics for research followed by the departments:

- As per UGC guidelines and ICMR Guidelines for Biomedical research on human participants (2006) and CPCSEA guidelines are followed for experimental analysis.

32. Student profile program-wise: The selection process is done by AMUPMDC and the data related is available with the competent authorities. The student profile is according to the examination conducted by the MUHS and the pass percentage is available with the department.

33. Diversity of students

Name of the programme (refer to question no.4)	% of students from the same university	% of students from other universities within the state	% of students from universities outside the State	% of students from other countries
MBBS-M.D	30%	50%	20%	-
M.Sc	-	90%	10%	-
Ph.D	100%	-	-	-
BDS- MDS	Records available with Dental College			

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: None

35. Student progression

Student progression	Percentage against enrolled				
	2011	2012	2013	2014	2015
UG to PG	0 %	50%	0 %	0 %	50%
PG to M.Phil / DM /M Ch / DNB	none				

PG to Ph.D.	50%	100%	100 %		
Ph.D. to Post-Doctoral	none				
Employed					
Campus selection	-	-	0%	0%	0%
Other than campus recruitment	100%	100%	100%	100%	100%
Entrepreneurs	none				

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	25%
from other universities within the state	37 %
from universities from other states	37 %
from universities outside the country	NIL

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: None

38. Present details of departmental infrastructural facilities with regard to

a. Library: 239 textbooks

Departmental Library	239
Thesis	22
CDs	16
Online Journals	45
JOURNALS FOR 2014	07
A) NATIONAL	03
B) INTERNATIONAL	04

b. Internet facilities for staff and students: Two computers with internet facility

c. Total number of class rooms: 2+ 1

d. Class rooms with ICT facility: 4

e. Students laboratories: 3

f. Research laboratories: 1

39. List of doctoral, post-doctoral students and Research Associates

a. From the host institution/university: 5

Sr. No	Name	Topic	Status
1	Chetan S Javsén	To study topical corticosteroids induced hypertension in lab.animals and in humans	On Going
2	Savitri Katlam	Effect of Gatifloxacin , Doxycycline, Artesunate on neuro-muscular junction	On Going

3	Vithal Patil	Antimony: Estimation from bottled drinking water and Evaluation of effects on the animals	Completed
4	Rajesh Suman	Developing Natural alternative to Synthetle DPP-4 inhibitor for Diabetes with metabolic syndrome	On Going
5	Manjusha Borde	Development of natural DPP-4 inhibitor with cardioprotective potential in experimental diabetes	On Going

b. From other institutions/ universities: 1

Sr. No	Name	Topic	Status
1	Gurudutt	Anti cancer effects of Papaya leaf extract on induced breast cancer in rats	On Going

40. Number of post graduate students getting financial assistance from the university:

PhD: 2

Sr. No.	Name	Topic	Financial Assistance
1	Rajesh Suman	Developing Natural alternative to Synthetle DPP-4 inhibitor for Diabetes with metabolic syndrome	Rs.50,000/-
2	Manjusha Borde	Development of natural DPP-4 inhibitor with cardioprotective potential in experimental diabetes	Rs. 45,000/-

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology:

Yes, for MD Pharmacology course assessment was done at

- ▶ Institutional level
- ▶ State level (DMER)
- ▶ National level (MCI)

42. Does the department obtain feedback from:

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? Yes.

- ▶ Feedback is taken regularly.
- ▶ Feedback Analysed and specific points that require attention are sort out at departmental University level at various Board of study and Academic Council meetings.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? Yes.

- ▶ Teachers are intimated and provided resources for their continuous development.
- ▶ They are also encouraged to attend Medical Education Technology Workshops to polish their teaching skills and remain updated with teaching and learning aids.

c. Alumni and employers on the programmes offered and how does the department utilize the feedback? None

43. List the distinguished alumni of the department (maximum 10):

Dr. Rahul Chavan	Emerck Pharmaceutical Ltd
Dr. Hitesh Muley	Watson Clinical research Organization
Dr. Baliram Ghodke	MGM Medical College .Navi Mumbai
Dr. Santosh Kale	KJ Somaiya Medical College
Dr. Prasad Deshmukh	LTMMG Medical College
Dr. Urwashi Parmar	Seth GS Medical College
Dr. Rohita Shetty	Abbott Pharmaceutical Ltd
Dr. Sameer Choudhary	Abbott Pharmaceutical Ltd
Dr. Darshana Dighe	Elsevier Pvt Ltd
Dr. Yogesh Garje	Sun Pharmaceutical Ltd
Dr. Abhay Wagh	Fortis Hospital
Dr. Shreyas Lathi	Pfizer Pharmaceutical Ltd

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Sr.No.	Programme	Date / Year	Venue / Place	Target Audience
1	Workshop on 'GOODCLINICAL PRACTICES'	26-27 th August 2013	MGM Medical College, Navi - Mumbai	UG, PG and Faculty
2	Pharmaco-vigilance programme by Abbott Pharma	30 th April 2012	MGM Medical College, Navi - Mumbai	UG, PG and Faculty
3	UG Symposium: Osteoarthritis Management	27 th March 2012	MGM Medical College, Navi - Mumbai	UG
4	UG Symposium: Depression and Drugs	27 th August 2012	MGM Medical College, Navi - Mumbai	UG
5	UG Symposium: COPD and Rational Pharmacotherapeutics	17 th August 2012	MGM Medical College, Navi - Mumbai	UG

45. List the teaching methods adopted by the faculty for different programmes:

Integrated Teaching, Small group teaching, Large group Teaching, Tutorials, Seminars using Conventional Chalk and board, OHP, LCD (powerpoint), Microteaching, Group task, Visit to Industry.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? Periodic evaluation through examinations, formal and informal discussions with students and faculty.

47. Highlight the participation of students and faculty in extension activities: Participation in Intra-college "X-TASY" festival and inter-college festival (PULSE AIIMS, Delhi), debate at Seth GSMC and KEM Hospital.

48. Give details of "beyond syllabus scholarly activities" of the department: Dr Ainapure - Conducting Quiz in GSMC, Guest lecture on History of Pharmacology.

49. State whether the programme / department is accredited / graded by other agencies? If yes, give details: Medical Council of India and Central Government recognized.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Cardioprotective effects of Baccopa Monniera (DST), Curcuma Longa, Tribulus Teresstris
Anti cancer effects of Papaya leaf extract on induced breast cancer in rats
Coagulants effects of Tridax Procumbens
Antimony levels in packaged drinking water (ongoing)
Pharmaco-vigilance activities to report existing and new Adverse drug reactions

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

- Strong and dedicated teaching faculty.
- Well equipped experimental laboratory
- Well maintained Animal House.
- Multi-disciplinary research.
- Facility of Central research Laboratory.

Weakness:

- Limited collaboration with industry.
- Limited intra-mural funding.
- Limited Extra mural funding.
- Limited of collaboration with Premier Research and Academic Institutes.
- Research facilities and infrastructure.

Opportunities:

Collaboration with state government and other medical colleges collaboration with pharmaceutical research centers.

Challenges:

To enrich the Pharmacology museum.

52. Future plans of the department.

- Development of Analytical Laboratory with HPLC.
- Clinical Pharmacology unit.
- Pharmaco-vigilance centre.
- Up gradation of Expt lab and museum.
- DM Clinical Pharmacology.

Evaluative Report of the Department

1. **Name of the Department** : General Pathology
2. **Year of establishment** : 1989
3. **Is the Department part of a college/Faculty of the university?** : Yes
4. **Names of programs offered (UG, PG, PhramD, Integrated Masters, M.Phil, Ph.D, Integrated Ph.D, Certificate, Diploma, PG Diploma, D.M./M.Ch, Super speciality fellowship, etc.** Under Graduate (UG) – MBBS, BDS .B.PTh. and B.Sc. Allied
Post Graduate (PG) – MD(Path).
5. **Interdisciplinary programs and departments involved** : Yes
 - UG : Microbiology, pediatrics, medicine, gyanecology, E.N.T, Ophthalmology, Surgery.
 - PG : Microbiology, Biochemistry, Molecular Biology and Cytogenetics, Transfusion Medicine and Immuno Hematology and OMICS.
6. **Courses in collaboration with other universities, industries, foreign institutions:**
Yes, with MUHS for - BDS, MDS and Physiotherapy.
7. **Details of programs discontinued, if any, with reasons:** None.
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:**
Annual – MBBS, MD, BDS, B.Sc., Physiotherapy Semester: None
9. **Participation of the department in the courses offered by other departments:** Yes
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)** :

	DCI Require- ment	Sanc- tioned	Filled	Actual (including CAS and MPS)
Professor	---	1	2	2
Associate Professor/Reader	1	1	4	4
Assistant Professor	---	---	----	---
Lecturer	2	3	3	3
Tutor / Clinical Instructor	---	6	6	18
Senior Resident	----	---	---	---

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Sr. No.	Name	Qualification	Designation	Specialization	Experience in Years	(Research Under Guidance) No. of MD/ DNB/Students guided for the last 4 yrs
1	Dr. Reeta Dhar	MBBS, MD	Professor and Head (Pathology)	Pathology	24	5(MD) completed + 4 ((MD) Ongoing
2	Dr. Borkar D.B.	MBBS, MD	Professor	Pathology	31	5(MD) completed + 4 ((MD) Ongoing
3	Dr. Shilpi Sahu	MBBS, MD	Asso. Professor	Pathology	10	2(MD) completed + 3 ((MD) Ongoing
4	Dr. Manisha Tambekar	MBBS, MD	Asso. Professor	Pathology	10	2(MD) completed + 3 ((MD) Ongoing
5	Dr. Hoogar M	MBBS, MD	Asso. Professor	Pathology	8	---
6	Dr. Prabhakar Patro	MBBS, MD	Asso. Professor	Pathology	8	---
7	Dr. Atul Jain	MBBS, MD	Assistant Professor	Pathology	5	---
8	Dr. Trupti Shetty	MBBS, MD	Assistant Professor	Pathology	4	---
9	Dr. Priyanka Jadhav	MBBS, MD	Assistant Professor	Pathology	4	---

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors :

Visiting Faculty :- Dr. Maninder Singh, Setia.

13. Percentage of classes taken by temporary faculty – program-wise information :

We do not have any temporary faculty

14. Program-wise Student Teacher Ratio :

Programme	Student : Teacher Ratio
MBBS	5:1
MD	1:1
BDS	10:1
B.Sc.	10:1
Physiotherapy	10:1

15. Number of academic support staff (technical) and administrative staff : sanctioned, filled and actual :

	Sanctioned	Filled	Actual
Laboratory Technicians	23	23	23
Store Keeper	1	1	1
Book Keeper	1	1	1
Clerk	1	1	1
Sweeper	2	2	2

16. Research thrust areas as recognized by major funding agencies :

- Breast cancer – identified as thrust area by ICMR, cancer registry.
- Thallemia and abnormal hemoglobinopathies study being done by HPLC (High Performance Liquid Chromatography).
- Effect of lifestyle on lipid profile of population aged below 40 years.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise. :

Sr. No.	Title of Project	Name of Faculty	Funding Agencies	Grant Received in INR
1	Proliferation marker Ki-67 in Breast Cancer and its Premalignant Lesions.	Dr. Shilpi Sahu, Dr. Mariyam	ICMR	10,000/-
2	Neonatal screening for Thyroid Evaluation, G6 PD and 17 OHP.	Dr. Reeta Dhar, Dr. Rupinder	ICMR	10,000/-
3	Clinicopathological spectrum of vesicobullous lesions using direct immunofluorescence.	Dr. Kuldeep Singh, Dr. Reeta Dhar	MGMHIS	In the form of infrastructure, equipment and chemicals. (Immunofluorescent Microscope installation in the Central Laboratory of Pathology)

18. Inter-institutional collaborative projects and associated grants received : Nil

a) National collaboration b) International collaboration : Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. : ICMR – STS 2 Projects

Sr. No.	Title of the Project	Funding Agencies	Amount
1	Proliferation marker Ki-67 in Breast Cancer and its Premalignant Lesions – Dr. Shilpi Sahu.	ICMR	Rs. 10,000/-
2	Neonatal screening for Thyroid Evaluation, G6 PD and 17 OHP – Dr. Reeta Dhar.	ICMR	Rs. 10,000/-
3	Conventional Pap Smear and Manual Liquid Based Cytology in Primary Screening for Cervical Cancer : A Comparative Study. - DR ABHINAV , DR. U. MAHESHWARI	MGMI-HS	Grant received in the form of infrastructure, equipments and Chemicals
4	Clinicopathological Spectrum of Vesiculobullous skin lesion with special reference to direct immunofluorescence microscopy - DR KULDEEP, DR REETA DHAR	MGMI-HS	Grant received in the form of infrastructure, equipments and Chemicals
5	Demonstration of Iron in Exfoliated Buccal cells of Beta Thalassemia Major Patients. DR PUJA , DR U.MAHESHWARI	MGMI-HS	Grant received in the form of infrastructure, equipments and Chemicals
6	Lab Diagnosis and Haematological Changes in Malaria. DR KAMAKSHI, DR. BORKAR	MGMI-HS	Grant received in the form of infrastructure, equipments and Chemicals
7	Clinico-hematological analysis of Pancytopenia in adults: A two year prospective study. DR REENAL, DR MANISHA TAMBEKAR	MGMI-HS	Grant received in the form of infrastructure, equipments and Chemicals
8	Histopathological study of Granulomatous inflammation, A study of 100 cases. DR HARSHPREET, DR SHILPI SAHU	MGMI-HS	Grant received in the form of infrastructure, equipments and Chemicals
9	Diagnostic Evaluation of Urinary Sediment in Renal and Non Renal Pathology. DR SHONIT, Dr. Reeta Dhar	MGMI-HS	Grant received in the form of infrastructure, equipments and Chemicals

10	Pregnancy associated Thrombocytopenia. DR SANCHARI, Dr. Borkar	MGMI-HS	Grant received in the form of infrastructure, equipments and Chemicals
11	Fine Needle Aspiration cytology of Follicular – patterned thyroid lesions. DR AKSHAY, Dr. Manisha	MGMI-HS	Grant received in the form of infrastructure, equipments and Chemicals
12	Utility of Mucin Stains in Gastro Intestinal Diseases. DR AJAY, Dr. Shilpi	MGMI-HS	Grant received in the form of infrastructure, equipments and Chemicals
13	Clinicobiochemical correlation and cytological study of pleural and peritoneal fluids, DR . POOJA, Dr. Reeta Dhar	MGMI-HS	Grant received in the form of infrastructure, equipments and Chemicals
14	Clinico - pathological study of ovarian tumor. DR ABEER, Dr. Borkar	MGMI-HS	Grant received in the form of infrastructure, equipments and Chemicals

20. Research facility / centre with :

- State recognition: Yes
- National recognition : Yes
 - ▶ Medical Council of India.
 - ▶ NABL (National Accreditation Board for testing and Calibration Laboratories)- Central Laboratory of the hospital
 - ▶ FDA (Food and Drug Administration) Approval – Blood Bank
 - ▶ NABH (National Accreditation Board for Hospitals) : Blood Bank
- International recognition : Nil

21. Special research laboratories sponsored by / created by industry or corporate Bodies:

Following laboratories are established and funded by MGMIHS

- Central Research Laboratory.
- Genetic Laboratory.

22. Publications :

- * **Number of papers published in peer reviewed journals (national / international) :**
National : 3
International : 29
- * **Monographs : Nil**
- * **Chapters in Books : Nil**
- * **Books edited : Nil**
- * **Books with ISBN with details of publishers : Nil**
- * **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.) : Nil**
- * **Citation Index – range / average : Nil**
- * **SNIP : 0.5**
- * **SJR : 0.6**
- * **Impact Factor – range / average : 0.8215 - 4.47**
- * **h-index : 1.0**

23. Details of patents and income generated : Nil.

24. Areas of consultancy and income generated :

- PAP smear screening camps in urban slums (Screening for early detection of cervical cancer) in collaboration with department of community medicine.
- Blood group estimation camps in urban slums in collaboration with department of community medicine.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad :

Dr. D. B. Borkar

Dr. Shilpi Sahu

Dr. Manisha Tambekar

26. Faculty serving in

- a) **National committees** b) **International committees** c) **Editorial Boards** d) **any other (specify) : Nil**

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). : 35

28. Student projects

- **Percentage of students who have taken up in-house projects including inter-departmental projects :**
100% Post Graduate students.
Completed Projects - 27/39 = 69%
Ongoing Projects – 12/39 = 30.7%
UG completed Projects – 2%
- **percentage of students doing projects in collaboration with other universities / industry / institute : Nil**

29. Awards / recognitions received at the national and international level by : 12

Faculty: International

Sr. No	Name of the faculty	Name of Conference	Organized by	Venue	Dates	Your Role
1	Dr. Abhinav Walia	Poster Presentation : Significance of Histopathology in Leprosy	OMICS 4th International Conference : Pathology-2015 : Young Researchers Forum	New Orleans, USA	13.07.2015 to 15.07.2015	BEST POSTER AWARD (1 st prize)

Students

Sr. No	Name of the Students	Name of Conference	Organized by	Venue	Dates	Your Role
1	Bhushan Wad	Waghbhatt Memorial Competitive Theory and Practical Exam for MBBS Students of Mumbai	Seth GS Medical College and Nair Medical College, Mumbai	Seth GS Medical College and Nair Medical College, Mumbai	Apr-14	Participation 2 nd Prize,
2	Soham Ranade, Juilee Mhatre, Ajay Doshi, Aswini Patankar	Quiz Competition Integrated Quiz (Inter collegiate fest for the Under Graduates “The Virchow”)	18th D Y Patil School of Medicine, CME and Workshop	D Y Patil University, School of Medicine	26.02.2015-27.02.2015	Participation (3rd Place)
3	Shweta Sharma, Afreen Shamsuddin, Siddharth Allahboda,	Poster Presentation (Inter collegiate fest for the Under Graduates “The Virchow”)	18th D Y Patil School of Medicine, CME and Workshop	D Y Patil University, School of Medicine	26.02.2015-27.02.2015	Participation (2nd Place - Shweta Sharma)

4	Sai divya Sasi kumar, Soham Ranade, Bhushan Ulhas Wad	Quiz Contest :	Mumbai Heamatology Group(38th Annual Conference of Mumbai Hemtology Group)	ITC Grand Parel, Mumbai	14.03.2015 - 15.03.2015	3rd Prize
5	Ms. Mariyam A. Motiwala	Poster Presentation : Proliferation marker Ki-67 in Breast Cancer and its Premalignant Lesions	OSME- CON-2015 : pioneering pathways for Medical Research	Osmania Medical College, Hyderabad	26.08.2015 to 28.08.2015	Winner

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any: 02

Year	Name of the Seminar / Conference/Workshop Organised	Faculty Resources Persons (Organizing Committee)	Funding Agencies	No. of Delegates attended
2013-2014	Autopsy CME and Workshop	Dr. Reeta Dhar, Dr. D B Borkar, Dr. Shilpi Sahu, Dr. Manisha Tambekar	MGMIHS	215
2015-2016	Flow Cytometer Workshop	Dr. Reeta Dhar, Dr. D B Borkar, Dr. U. Maheshwari, Dr. Atul Jain	Backman Dickson	55

31. Code of ethics for research followed by the departments

- ICMR ethical guidelines for biomedical research on human participants 2006.
- For animal experiments CPCSEA guidelines on experimental animals.

32. Student profile program-wise: Selection process is done by AMUPMDC and data related is available with competent Authorities. The student profile according to the examination conducted by the MUHS and passed percentage is available with the competent Authorities.

33. Diversity of students :

Name of the Program	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
UnderGraduate(MBBS)	---	60%	39%	1%

Name of the Program	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
Post Graduate (M.D)	9%	51%	40%	0%

Name of the Program	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
BDS-2011	91%	6%	2%	1%
BDS-2012	88%	4%	4%	3%
BDS-2013	91%	7%	1%	1%
BDS-2014	97%	1%	2%	0
MDS-2012	81%	6%	12%	0
MDS-2013	62%	18%	18%	0
MDS-2014	77%	11%	11%	0
MDS-2015	77%	11%	11%	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. : Nil

35. Student progression :

Student progression	Percentage against enrolled
UG to PG	70%
PG to M.Phil, DM / M Ch / DNB	N.A.
PG to Ph.D.	N.A.
Ph.D. to Post-Doctoral	N.A.
Employed	
Campus selection Other than campus recruitment	100%
Entrepreneurs	N.A.

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	2/29 = 89%
from other universities within the State	6/29 = 20.68%
from universities from other States	18/29 = 62.06%
from universities outside the country	3/29 = 10.34%

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period : Nil

38. Present details of departmental infrastructural facilities with regard to :

- a. **Library** : 126 Books, Central Library : 1146 books, National Journal : 3 and International Journals : 2, Seminars – 50 per year, Dissertation : 22
- b. **Internet facilities for staff and students**: Yes, NKN line (National Knowledge Network, 1 GB internet capacity, 4 Computers available)
- c. **Total number of class rooms**: 6 as per MCI
- d. **Class rooms with ICT facility and 'smart' class rooms**: Yes
- e. **Students' laboratories**: Yes as per MCI
- f. **Research laboratories** : 2 (Omics, DID)

39. List of doctoral, post-doctoral students and Research Associates :

- a. **from the host institution/university : Doctoral – Post graduate Medical Students**

Sr. No.	Name of the Doctoral Students
1	Dr. Abhinav Walia
2	Dr. Kuldeep Singh
3	Dr. Pooja Gajaria K.
4	Dr. Kamakshi Worah
5	Dr. Reenal Patel
6	Dr. Harshpreet Kaur
7	Dr. Ajay Suryakant Wani
8	Dr. Agarwal Shonit Shyam Jyoti
9	Dr. Agarwal Akshay Anand
10	Dr. Puja Iyengar
11	Dr. Sanchari Saha
12	Dr. Abeer Mohd. Ilyas Shakira
13	Dr. Urshlla Kaul
14	Dr. Avni Sumat Gupta
15	Dr. Deesha Narendra Bhemat
16	Dr. Kalyani wasudeorao Mahore
17	Dr. Evith Pareria
18	Dr. Padhye Amruta

- b. **From other institutions/universities**: Nil

40. Number of post graduate students getting financial assistance from the university.: Nil
41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology. :
- Institutional Level
 - State Level (DMER)
 - National Level (MCI and DCI)
42. Does the department obtain feedback from
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?
 - ▶ Feedback on curriculum is taken by faculties and discussed in board of studies for discussion and approval.
 - ▶ Periodical examination, counseling, mentoring, remedial classes conducted as per requirement.
 - b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
 - ▶ Remedial steps are taken for shortcomings and enforce the positive outcome via departmental meetings.
 - c. Alumni and employers on the programs offered and how does the department utilize the feedback?
 - ▶ Alumni self feedback, employers guidance through academic meetings.
43. List the distinguished alumni of the department :
- Dr. Jay Mehta, MD Path, Undergraduate from MGM University and presently senior consultant Histopathologist at SRL laboratory.
 - Dr. Rakesh Shedge, MD Path, Undergraduate from MGM University and now senior faculty of T.N Medical College, Mumbai.
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts. : Syndicate Seminars for UGs

Sr. No.	Venue	Date	Topic	External Expert	Target Audience
1	MGM Auditorium	5/4/2013	1)Autopsy techniques in HIV 2)Maternal Mortality autopsy 3) Live demonstration of heart dissection 4)Live demonstration of brain dissection	Various Faculties	UG and PG, Faculty
2	Dental Lecture Hall	2014	Salivary gland tumors	Dr. Kane	UG and PG, Faculty

- 45. List the teaching methods adopted by the faculty for different programs including clinical teaching:**
- Small Group Teaching.
 - Integrated Teaching.
 - Micro Teaching.
 - Didactic lecture.
 - Demonstration and practicals.
 - Slide viewing on microscope.
 - Using teaching media like Power point presentation on LCD.
- 46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored? :**
- Through annual term ending and prelims examination (Theory, practical, viva, quiz).
 - Regular Departmental meetings.
 - Formal and informal discussion with students and faculties.
 - Feedback from Students and Staff.
 - Analysis of Results.
- 47. Highlight the participation of students and faculty in extension activities :**
- Blood donation camps.
 - PAP screening camps.
 - Weekly health checkups.
 - Anti Tobacco Day.
 - World Heart Day.
 - Clinical meetings.
- 48. Give details of “beyond syllabus scholarly activities” of the department :**
- Poster and oral paper presentation by faculty and post graduates at various conferences and seminars, Quiz, Micro teaching.
- 49. State whether the program / department is accredited/ graded by other agencies? If yes, give details : Yes**
- MCI / Government.
 - Central Laboratory is accredited by NABL.
 - On going: Accreditation by NABH.
 - NAAC “A” Grade for MGMIHS.
- 50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied :**
- The department has procured cryostat for doing frozen sections for rapid

diagnosis in histopathology.

- The department has developed IHC unit for advanced cancer detection and confirmation of typing of tumors.
- Research projects on HPLC on thalassemia and other hemoglobinopathies in patients and introduced as antenatal screening test.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department :

Strengths :

- Laboratory services.
- Well qualified, skilled and conscientious staff from all over the country.
- Blood and blood components, platelet rich plasma for hair growth and bone grafting.
- Advanced infrastructure with all latest equipments and fully equipped with automation.
- State of art museum with more than 500 gross specimens.
- Microscopic photography attached to LCD with adapters.

Weaknesses:

- Financial Supports for Research (state and central).
- Less number of clinical Autopsy.
- Less number of clerical staff.

Opportunities:

- To explore more avenues for research projects.
- Developing the department as oncology center.
- To collaborate with Industries.
- To diversify the ancillary methods for diagnosis.

Challenges:

- Maintaining the high standards of teaching students.
- Patient diagnostic care and services.
- To get Funding from Central Agencies.

52. Future plans of the department. :

- Developing oncology center.
- Getting accredited for CAP (College of American Pathologists).
- Getting accredited by NABH.
- Making student assessment and teaching more effective.

Evaluative Report of the Department

1. **Name of the Department:** Microbiology
2. **Year of establishment:** 1989
3. **Is the Department part of a School / Faculty of the university? :** Yes
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)**
 - **UG:** BDS, MBBS, BSc allied.
 - **PG:** MD Microbiology, MSc Medical Microbiology, PhD Medical Microbiology.
5. **Inter disciplinary programmes and departments involved:**
 - **UG:** BDS, MBBS, BSc Allied
 - **PG:** MD Microbiology, MSc Medical Microbiology, PhD Medical Microbiology (MDS- As per DCI norms, rotation in allied departments).
6. **Courses in collaboration with other universities, industries, foreign institutions etc:** None
7. **Details of programmes discontinued, if any, with reasons:** Nil
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:**
 - Annual System: MBBS, BDS, B.Sc.(Allied), MD.
 - PhD (Microbiology) – At the end of the research project .
 - Semester system : M.Sc.
9. **Participation of the department in the courses offered by other Departments:** Yes.
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors others)**

	DCI Re-requirement	Sanctioned	Filled	Actual including CAS and MIs
Professor	---	---	---	02
Associate Professors/Reader	01	01	01	02
Assistant Professor	---	---	---	04
Tutors / Clinical	02	02	02	04
Senior Resident	---	---	---	---

11. Faculty profile with name, qualification, designation, area of specialization; experience and research under guidance

Name	Qualification	Present Designation	Specialization	Total No. of Years of Experience	No. of Ph.D. /M.D students guided for the last 4 years
Dr A. Urhekar	MD Path and Bact.	Prof and HOD	Microbiology	32yrs	23
Dr A. Hodiwala	MD	Professor	Microbiology	12 yrs	16
Dr S. Samant	MSc, PhD	Associate Professor	Microbiology	24yrs	-
Dr H. Kar	MD	Associate Professor	Microbiology	8 Yrs	-
Dr S. Pachpute	MD	Assistant Professor	Microbiology	7yrs	-
Dr. M. Kale	MD	Assistant Professor	Microbiology	6yrs	-
Dr. D. Khiste	MD	Assistant Professor	Microbiology	5yrs	-
Dr. S. Patil	MD	Assistant Professor	Microbiology	4 yrs	-
Dr. A. Kore	MSc.Med. Micro	Tutor	Microbiology	14 yrs	-
Dr. N. Singh	MBBS	Tutor	-	3 years 6mths	-
Dr. Raksha Singh	MSc. Med. Micro	Tutor	Microbiology	2 year	-
Dr. A. Talukdar	MBBS	Tutor	-	2 years 6 months	-

12. List of senior visiting fellows, adjunct faculty, emeritus professors :

Dr Maninder Singh Setia.

13. Percentage of classes taken by temporary faculty-programme-wise information :

We do not have any temporary faculty.

14. Programme-wise Student Teacher Ratio:

Program	Students Teacher Ratio
MBBS	10:1
MD	1:1
B.Sc.	10:1
M.Sc	1:1
Ph.D	1:1
BDS	30:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

Post	Sanctioned	Filled	Actual
Lab Technicians	5	5	5
Lab Assistants	2	2	2
Lab Attendants	2	2	2

Administrative Officer(HOD)	1	1	1
Store-keeper	1	1	1
Clerk cum Comp Operator	1	1	1

16. Research thrust areas as recognized by major funding agencies:

Sr. No	Title of Projects	Funding Agency
1	Diarrheal Diseases	ICMR
2	Mosquito borne diseases (Malaria, Dengue)	ICMR
3	Communicable diseases (Tuberculosis)	ICMR
4	Public health related infections (HIV).	ICMR
5	Viral Diseases	ICMR

17. Number of faculty with ongoing projects from:

- a. National funding agencies: 1
- b. International funding agencies: Nil
- c. Total grants received: Rs 10,000/-

Give the names of the funding agencies, project title and grants received project-wise:

Sr. No	Title of Projects	Name of Faculty	Funding Agency	Grants received
1	Shared computer keyboards and input devices in clinical areas: source of nosocomial infections.	Ms. Ashwini Patankar	ICMR-STs	Rs 10,000/-

18. Inter-Institutional collaborative projects and associated grants received:

- a. National collaboration: None
- b. International collaboration: None
- c. Others: None

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

Sr. No	Title of Projects	Funding Agency	Amount
1	Shared computer keyboards and input devices in clinical areas: source of nosocomial infections. Year 2015	ICMR-STs	Rs.10000/-

20. Research facility / centre with recognition:

Research Facility: Rs. 25000/- per PG student given by MGMIHS

Centres with Recognition:

- State Recognition : Yes.
- National Recognition : Yes
 - ▶ Medical Council of India (MCI),
 - ▶ National Accreditation Board for Laboratories (NABL)
 - ▶ Scientific and Industrial Research Organization (SIRO)
- International Recognition : Yes ISO 15189 (NABL- APLAC)

21. Special research laboratories sponsored by / created by industry or corporate Bodies: Following labs are established by MGMIHS

- MGMIHS Central Research Laboratory
- The services are available for all researchers.

22. Publications:

- **Number of papers published in peer reviewed journals (National / International):** 18 + 74 Total 92
- **Monographs:** None
- **Chapters in Books:** None
- **Edited Books:** None
- **Books with ISBN with details of publishers**

Sr. No	Name of the Author	Name of the Book	Publishers	Month / Year	ISBN No.
1	Mr. Gurjeet Singh, Dr. A. D. Urhekar	Bacterial Contamination of stethoscopes : A Source of nosocomial infections	Lap Lambert	02.03.2013	973-3-659-35948-4
2	Dr. Samir Pachpute, Dr. Chitra Pai	Staining v/s Immunological Techniques for diagnosis of malaria	Lap Lambert	24.03.2013	973-3-659-36920-9
3	Mr. Gurjeet Singh, Dr. A. D. Urhekar, Ms. Asha Kore	Lower Respiratory Tract Infections	Lap Lambert	16.05.2013	973-3-659-39675-5
4	Mr. Gurjeet Singh and Ms. Raksha Singh	Urinary Tract Infections	Lap Lambert	20.07.2013	978-3-659-43181-4
5	Ms. Raksha Singh, Dr. Anahita Hodiwala and Dr. Sharvari Samant	Detection of HIV Infection in Pregnant females	Lap Lambert	August, 2013	973-3-659-45173-9
6	Dr. Sharvari Samant and Dr. Chitra Pai	Characterization and Resisto-Typing of Pathogenic Staphylococci	Lap Lambert	Dec-13	978-3-639-70475-4
7	Dr. Anahita Hodiwala, Dr. Harapriya Kar, Vivek Shrivastava	Mupirocin Resistant MRSA - A new threat in Management	Lap Lambert	January, 2014	978-3-659-51068-7

- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc): CINAHL, MEDLINE complete, MUHS digital library, UGC-INFLIBNET annual reviews, WHOLIS, Uptodate Databases.
- Citation Index – range / average: (available with department)
- SNIP: (available with department)
- SJR: (available with department)
- Impact Factor – range / average - 0.5-1
- h-index: (available with department)

23. Details of patents and income generated : Nil

24. Areas of consultancy and income generated: OT surveillance from PHCs and Hospitals.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil

26. Faculty serving in: (a) National Committees, (b) International committees, (c) Editorial Boards: Nil

Any other (please specify) –

- Dr. Samir Pachpute - Reviewer for Journal of Evolution of Medical And Dental Science.
- Dr. Maya Kale, Dr. Deepashree Khishte- Member of HAICC of INDIA.

Faculty	Committees
Dr. A. Urhekar	Member of Board of Studies MGMIHS Member of Academic Council MGMIHS Member of Institutional Ethics Committee, MGMIHS Member of Infection Control Committee, MGM Hospital , Navi Mumbai
Dr. A .Hodiwala	NABL Coordinator in NABL Team, MGM Hospital, Navi Mumbai Member of Board of studies (Biomedical Sciences), MGMIHS
Dr. S. Samant	Member of Magazine committee, MGMIHS Member of Board of studies (Biomedical Sciences), MGMIHS
Dr. S. Pachpute	NABL Coordinator in NABL Team, MGM Hospital, Navi Mumbai
Dr. M. Kale	Infection Control Officer in Infection Control Committee, MGM Hospital, Navi Mumbai

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs): 4

28. Student project:

Percentages of students who have done in-house projects including inter departmental projects:

UG : 0.0%

PG : 100%

- **Percentage of students doing projects in collaboration with other universities / industry /institute: 0%**

29. Awards / recognitions received at the national, international and state level by:

- ▶ Faculty: 08
- ▶ Students: 04
- ▶ Doctoral/ Post Doctoral: 0

Staff :

Sr. No.	Topic	Authors	Award	Place	Date
1.	A comparative evaluation of conventional and immunological techniques for diagnosis of Malaria	Dr S. Pachpute Dr C. Pai Dr A Urhekar	1 st prize in poster category	TROPACON National parasitology conference , Nagpur	2011
2.	Bacteriological Profile of stool samples with special reference to DEC	Dr A Hodiwala Dr A Urhekar	1 st prize in poster category	Maha Microcon TNMC Mumbai Central	2012
3.	Clinico – Microbiological study of Dengue cases with special reference to Molecular Diagnosis	Dr A. Urhekar	1 st Prize in Oral presentation	Chapter Conference of IMA, Madhya Pradesh.	2013
4.	A comparative evaluation of CK-MB and cardiac troponin I as an early diagnostic biomarker for the diagnosis of AMI.	Dr S Pachpute	Thomas Edison award 2014	Photon	2014
5.	A study of biofilm formation and metallobetalactamases in clinical isolates of Pseudomonas aeruginosa in tertiary care hospital	Dr S. Patil Dr A Hodiwala Dr A Urhekar	2 nd prize in poster category	Maha Microcon Nagpur	2014
6	Clinico-etiological characterization of infectious vaginitis amongst women of reproductive age group from Navi Mumbai, India	A. Bhesania Hodiwala	2 nd prize in poster category	Maha Microcon LTMMC, Sion	2015
7	Detection of NDM-1 in multidrug resistant Gram negative clinical isolates from tertiary care hospital in Navi Mumbai	S. Samant	3rd prize in poster category	Mahamicrocon 2015, LTMMC, Sion	2015

Students:

Sr. No.	Topic	Authors	Award	Place	Date
1.	Bacteriological Profile of stool samples with special reference to DEC	Ms Nisha Y Dr G Gosh	1 st prize in poster category	Maha Microcon TNMC Mumbai Central	2012
2.	Clinico –Microbiological study of Dengue cases with special reference to Molecular Diagnosis	Dr G. Gosh	1 st Prize in Oral presentation	Chapter Conference of IMA, Madhya Pradesh.	2013
3.	Clinico-etiological characterization of infectious vaginitis amongst women of reproductive age group from Navi Mumbai, India	A. Narayan khedkar	2 nd prize in poster category	Maha Microcon LTMMC, Sion	2015

❖ BHARAT SHIKSHA RATNA award received by Dr Samir Pachpute.

30. Seminars / Conferences / Workshop/ organized and the source of funding (national /international) with details of outstanding participants, if any:

Guest Lectures/CMEs Organized for all MGM staff , Under Graduate and Post Graduate Students

Sr no	Topic	Resource Persons	Venue	Year	Delegates
2012-2013					
1.	Automation in Microbiology	Dr S. Athalye, HOD and Consulting Microbiologist, Metropolis laboratories, Mumbai	MGM Medical College	Aug, 2012	133
2.	Importance of rationale use of Antimicrobials.	Dr Mohapatra, Director, Banaras university (BHU)	MGM Medical College	April, 2013	128
2014-2015					
1.	Update on Swine Flu	Dr S.Shetye, Director lab services, Metropolis Dr S.Anjanaya, HOD PSM, MGMMC NM Dr Deshpande, Associate Professor Medicine, MGMMC NM	MGM Medical College	April, 2015	149

Guest Lectures Organized for post graduates

Sr No.	Topic of Lecture	Speaker	Venue	Date	No. of PGs
2012-2013					
1.	Pulmonary Mycotic diseases	Dr. D. Bhalerao Associate Prof, Microbiology, Pravara Institute of Medical School and Rural medical college.	Micro Lecture Hall	26th June, 2012	20
2.	RNTCP	Dr. S. Nair Associate Professor, Microbiology, K.J.Somaiya Medical College, Sion.	Micro Lecture Hall	19th July, 2012	18
3.	Recent advances in Malaria	Dr. V. Baradkar Associate Prof, Topiwala Nair Medical College, Mumbai Central	Micro Lecture Hall	15th Dec, 2012	19
2013-2014					
1.	Recent concepts in Viral etiology of Cancer	Dr N. Debata Professor, Microbiology, Institute of Medical Sciences, Kalinga Nagar, Bhubaneswar	Micro Lecture Hall	16th July, 2013	24
2.	Internal Quality Assurance	Dr. A. Nerurkar Professor and Head, Microbiology, GMERS, Valsad, Gujarat	Micro Lecture Hall	17th July, 2013	20
3.	Epidemiological markers	Dr. S. Lilani Associate Professor, Sir JJ group of Medical College, Byculla	Micro Lecture Hall	16th Dec, 2013	22
2014-2015					
1	Dr Ashish Suraana, SMIMER, Surat	Bacterial Biofilms and its importance.	Micro Demo Room	27th Jan 2015	24
2015-2016					
1	Dr Alka Nerurkar GMERS, Valsad	Medical Ethics	Micro Demo room	29th June, 2015	15
2	Dr Manish Patel, SMIMER, Surat	Cultivation of Viruses		24th July, 2015	20

31. Code of ethics for research followed by the departments: As per UGC guidelines and as per ICMR Ethical guidelines for biomedical research on Human participants (2006)

32. Student profile programmes-wise: Selection process is done by AMUPMDC and data related to it is available with Competent Authorities. The Student profile is

according to the examination conducted by the MUHS and the pass percentage is available with the department.

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
BDS – 2011	91	6	2	1
BDS – 2012	88	4	4	3
BDS – 2013	91	7	1	1
BDS – 2014	97	1	2	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: Nil

35. Student progression

Student progression	Percentage against enrolled				
	2011	2012	2013	2014	2015
UG to PG (MBBS to MD)	0%	0%	0%	0%	0%
PG to M.Phil.	N.A.	N.A.	N.A.	N.A.	N.A.
PG to Ph.D.	None	67%	100%	None	55.5%
Ph.D. to Post-Doctoral	None				
Employed					
Campus selection	100%	100%	100%	100%	100%
Other than campus recruitment	100%	100%	100%	100%	100%
Entrepreneurs					

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	Nil
from other universities within the state	87.5% (7out of 8)
from universities from other states	12.5% (1 out of 8)
from universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: PhD-2

38. Present details of departmental infrastructural facilities with regard to

- Departmental Library :** Text Books-200, Journals (International-2, National-2), E-Library- 14 books.
- Internet facilities for staff and students:**
Department- 2 computers with Internet facilities and 2 computers without Internet Facility
- Total number of class rooms:** 1 Demonstration room and 1 Lecture Hall.

- d. **Class rooms with ICT facility:** 1
- e. **Students laboratories:** 8 Laboratories shared by all Departments for UG students
As per DCI
- f. **Research laboratories:** 2 (Central research Laboratories-1 and PG Lab- 1)

39. List of doctoral, post-doctoral students and Research Associates

a) **From the host institution/university :**

List of PhD Students

- Ms. Raksha
- Mr. Rakesh Shah
- Mr. Rakesh Mukhia

b) **From other institute /universities:** Nil

40. Number of post graduate students getting financial assistance from the university: 19

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: Yes, conducted at

- a. Institutional Level
- b. State Level by DMER
- c. National Level by MCI and DC

42. Does the department obtain feedback from

- a. **Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?-** Yes, Suggestions given by faculty regarding curriculum and TL methods are forwarded to Board of Studies for consideration and approval.
- b. **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?-** Yes, (corrective measures implemented for formation of better curriculum designing). Feedback forms available with the Dean, MGM Dental College.
- c. **Alumni and employers on the programs offered and how does the department utilize the feedback? –** Not available.

43. List the distinguished alumni of the department (maximum10) :

1. Dr Anahita Hodiwala: MBBS from MGM, now senior faculty in Microbiology in MGM Medical College, Navi Mumbai.
2. Dr S Samant, PhD from MGM, Now a Senior Faculty in Microbiology in MGM Medical college, Navi Mumbai.
3. Dr Tavleen Jaggi, MD Microbiology from MGM, Now a faculty at Maulana Azad Medical College, New Delhi.
4. Dental College Alumni record with Dean Dental College

44. Give details of student enrichment programmes (special lectures/workshops/seminar) involving external experts:

Sr. No	Topic	Resource Persons	Venue	Year	Delegates
2012-2013					
1.	Automation in Microbiology	Dr S. Athalye, HOD and Consulting Microbiologist, Metropolis laboratories, Mumbai	MGM Medical College	Aug, 2012	133
2.	Importance of rational use of Antimicrobials.	Dr Mohapatra, Director, Banaras university (BHU)	MGM Medical College	April, 2013	128
2014-2015					
1.	Update on Swine Flu	Dr S.Shetye, Director lab services, Metropolis Dr S.Anjanaya, HOD PSM, MGMMC NM Dr Deshpande, Associate Professor Medicine, MGMMC NM	MGM Medical College	April , 2015	149

45. List the teaching methods adopted by the faculty for different programmes:

- Didactic Lectures using medias like LCD/Interactive board.
- Practical Demonstrations using specimens and slides.
- Small group discussions.
- Seminars.
- Culture presentations.
- Journal Clubs.
- Quiz.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?:

- Regular periodicals and Internal Examinations.
- Feedbacks taken from students ,faculty and examiners.
- Result Analysis.

47. Highlight the participation of students and faculty in extension activities:

Community Education by celebrating World TB Day, World Health Day, World AIDS Day, WHO Day by conducting lectures in local language for better understanding by the People.

48. Give details of “beyond syllabus scholarly activities” of the department:

Students are encouraged to make Poster/Oral presentations at various conferences and trained to take part in Quiz organized at Zonal Level.

49. State whether the programme/ department is accredited / graded by other agencies? If yes, give details: Yes

- a. NABL Accreditation obtained for the Laboratory in April 2013, (Certificate No: M-0555)
- b. EQAS – External Quality Assurance Programme by L and T research Institute, Chennai.
- c. India, since 2 years with scoring consistently between 21 to 25 out of 25.
- d. Department recognized by Medical Council of India, Central Government
- e. National Accreditation Board for Hospitals – In progress.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

The department has undertaken several research projects which have generated data regarding.

- Prevalence of various infections in the Navi Mumbai area.
- Better understanding of pathogenesis of the disease.
- Emergence of drug resistance in community as well as hospitalized patients.
- Development and effective implementation of Rationale Antibiotic policy.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

Strengths :

- Well qualified, experienced and dedicated teaching faculty and technical staff.
- Excellent infrastructure: Well equipped classrooms and Practical Halls with high quality Binocular Microscopes for all students.
- National Accreditation Board for Laboratories (NABL) Accredited diagnostic laboratory.
- Spacious and well illuminated Laboratory available for diagnostic work.
- Good quality standard calibrated equipments for routine diagnostic work.

Weaknesses :

- Delay in getting financial aid from State/ Central Government agencies for diagnostic and research work.
- Inadequate Intramural funds.

Opportunities:

- To provide best laboratory services to people of Navi Mumbai and Raigad district.
- Proper Implementation of antibiotic policy with Medical practioner in Medical College and surrounding areas.
- To strengthen Infection control programme.

- To organize National level conference.
- To increase research activities in the Department.

Challenges:

- To procure accreditation from National accreditation board for hospitals (NABH).
- To set up Biosafety level 4 laboratory to deal with highly infectious viral and bacterial infections.
- To increase scope of NABL.
- To procure NABL accreditation for TB Laboratory.
- To facilitate rapid diagnosis for TB by procuring Gene expert.

52. Future plans of the department:

- Upgradation and automation in clinical bacteriology- Vitek (Biomeurieux).
- Upgradation of antibiotic susceptibility to provide MIC levels of selected antibiotics for proper treatment of patients.
- To upgrade Mycology section to start antifungal sensitivity tests.
- Upgrade Mycobacteriology laboratory by using Rapid culture Methods (MGIT system). and Drug sensitivity for anti-tubercular drug by molecular method (Line probe assay).
- To provide facility of Fluorescent Microscope for diagnosis of various Microbial and Autoimmune diseases.
- To provide facility of Flow cytometry.
- To undertake high tech research projects in collaboration with well known National and International institutions.

Evaluative Report of the Department

1. **Name of the Department:** General Medicine
2. **Year of establishment:** 1989
3. **Is the Department part of a School/Faculty of the university? - Part of Medical College, Navi Mumbai under MGMIHS:** Yes
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.):** UG- MBBS, PG- MD, Ph.D , BDS, MDS
5. **Inter disciplinary programmes and departments involved:** Yes, as per MCI norms rotation of post graduate students is done in other depts.
Departments involved – cardiology , neurology , pathology , nephrology and EMS
6. **Courses in collaboration with other universities, industries, foreign institutions etc..**
On going certificate course with Royal college of Physicians of Edinburgh, London
7. **Details of programmes discontinued, if any, with reasons:** None
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System -**
UG - Annual exam at university level in III MBBS Part-II level.
PG - Annual exam at university level at the end of 3 years of training.
9. **Participation of the department in the courses offered by other departments:** Yes
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

*As per requirement of DCI

	DCI Requirement	Sanctioned	Filled	Actual (including CAS and MPS)
Professor	--	--	--	4
Associate Professors	01	01	01	6
Asst. Professors	--	--	--	7
Lecturer	03	03	03	--
Tutor / Clinical Instructor	--	--	--	--
Senior Resident	--	--	--	06

11. **Faculty profile with name, qualification, designation, area of specialization; experience and research under guidance**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of MD/Ph.D. /M.Phil. students guided for the last 4 years
Dr Jaishree Ghanekar	M.D. Medicine	Prof. and HOD	Medicine	22 years	9
Dr. Alok Banerjee	M.D. Medicine, DM, Neurology	Prof.	Medicine	34 years	-
Dr. Sandip Rai	DNB Medicine	Prof.	Medicine	12 years	4
Dr. Amrit Kejriwal	M.D. Medicine	Asso. Prof.	Medicine	10 years	3
Dr Atul Ingle	MD Medicine	Prof	Medicine	20 years	1
Dr. Mitesh Thakkar	DNB Medicine	Asso. Prof.	Medicine	8 years	-
Dr. U.N. Deshpande	M.D. Medicine	Asso. Prof.	Medicine	5 years	-
Dr. Babita Ghodke	M.D. Medicine	Asso. Prof.	Medicine	12 years	3
Dr. W.R. Patil	M.D. Medicine	Asso. Prof.	Medicine	13 years	2
Dr. P.K. Deshmukh	M.D. Medicine	Asso.Prof	Medicine	8 months	-
Dr Ravindra Nikalji	MD Medicine DM Nephrology	Asstt Prof	Medicine, Nephrology	2 years	-
Dr. Bhaimangesh Naik	M.D Medicine	Assit. Prof.	Medicine	1 year	-
Dr. Vandana Dandekar	M.D Medicine	Assit. Prof.	Medicine	9 months	-
Dr. Chincholikar	M.D Medicine	Assit. Prof.	Medicine	2 years	-
Dr. Neha Athale	M.D Medicine	Assit. Prof.	Medicine	2 years	-
Dr. Snehal Paul	M.D. Medicine	Asst. Prof.	Medicine	1 year	-
Dr. Shivangi Singh	DM Endocrinology	Asst. Prof.	Medicine	2 month	-

12. List of senior visiting fellows, adjunct faculty, emeritus professors -

Visiting Faculty: Mahinder Singh Setia

13. Percentage of classes taken by temporary faculty-programme-wise information –

We do not have any temporary faculty.

14. Programme-wise Student Teacher Ratio -

Sr. No	Programme	Students Teacher Ratio
1.	Undergraduate	6 :1
2.	Post Graduate	2:1 (Professor)
3.	Post Graduate	1 : 1 (Asso. Prof.)

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

Technical	2
Non technical	2

16. Research thrust areas as recognized by major funding agencies -

Cardiovascular diseases- control of rheumatic fever and rheumatic heart diseases

Mental health – Depression

Diabetes Mellitus-Prevalence and incidence of diabetes and its complications

Geriatric Medicine – Health profile of geriatric population in india Infectious Diseases- Malaria-Estimation of malaria disease burden.

Dengue- Immunopathogenic mechanism and pathophysiology of dengue hemorrhagic Fever.

HIV- Natural history studies in HIV infected individuals

ON GOING RESEARCH PROJECTS ON RELATED THEMES

1. BMI and waist circumference in determining cardiovascular risk factor.
2. Study of new onset seizures in HIV infected population.
3. Study of clinical spectrum of Dengue fever.
4. Clinical study of microvasclar complications in Newly diagnosed Diabetes Mellitus.

17. Number of faculty with ongoing projects from -

- a. National - NIL
- b. International funding agencies and - NIL
- c. Total grants received. - NIL

Give the names of the funding agencies, project title and grants received project-wise.

18. Inter-Institutional collaborative projects and associated grants received -

- a. National collaboration
Dr Jaishree Ghanekar, Dr Mitesh Thakkar
INSPIRE - In collaboration with St John Institute of medical research, Bangaluru
Duration - 2009 to 2013
Amount received - Rs 65,000
- b. International collaboration - NIL

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received -

ICMR : research project by student

Study of depression and anxiety in patients with Diabetes mellitus

20. Research facility / centre with

- State recognition: Yes
- National recognition: Yes
- International recognition: Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies: Established by MGMIHS and facilities are available for all researchers - Central research lab, Stem cell lab, Proteomics.

22. Publications:

Number of papers published in peer reviewed journals (National/ International)

Total publication: 29

National - 23 international - 6

- **Monographs:** Nil
- **Chapters in Books:**
 - i. Dr Alka Deshpande: 9
 - ii. Dr Aloke Banerjee: 3
- **Edited Books:** Nil
- **Books with ISBN with details of publishers**
- **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc) -29.**
- **Citation Index – range / average:** Nil
- **SNIP:** Nil
- **SJR:** Nil
- **Impact Factor:** range 1.4950-3.6241 / average 2.2
- **h-index:** Nil

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generated: Faculty members of the Department are actively involved in NRHM camps organized by Community Medicine Department.

25. Faculty selected nationally/internationally to visit other laboratories/institutions/industries in India and abroad: Nil

26. Faculty serving in -

a. National Committees

Dr Alka Deshpande, Dr Jaishree Ghanekar, Dr T.K. Biswas, Dr Babita, Dr Bhaimangesh Naik, Dr Alok Banerjee, Dr Sandip Rai, Dr Alka Deshpande.

Dr Alka Deshpande - Technical expert

1. Temp. Advisor, WHO's Strategic and Technical Advisory Committee (STAC) -HIV/AIDS, Geneva from 2004 - 06.
2. Temp. Advisor, WHO, Standardizing 2nd line ART in Resource ltd setting May 07.
3. Temp. Advisor, WHO, ART drug adverse events Feb 08.
4. Member, Technical Resource group, HIV Care and Support NACO up to date.
5. Member, Scientific Advisory Committee, National AIDS Research Institute *NARI*, Pune up to date.

6. Member, Scientific Committee, Indian Council of Medical Research, New Delhi up to date.
7. Member, National HIV Drug Resistance Committee.
8. Co-ordinator, Technical Resource Group on HIV management, TB and Bio-safety, NACO 2004.
9. Member, TRG Group for Chemoprophylaxis for OIs, NACO 2000.
10. Member, Core Committee for Feasibility study of Prevention of MTCT, NACO 2003.
11. Member, Research Core Group, PPTCT + Program, NACO.
12. Member, ICMR Sub-Committee for AIDS Vaccine Trial, NARI.
13. Member, NACP -III Working group, care support and treatment, NACO-GOI.
14. Member, Inst. Ethical review committee Hinduja Hospital Mumbai.
15. Member, Joint monitoring mission [WHO] TB Programme in India.
16. Member, Joint Monitoring Mission (WHO) of the TB Programme in India 2005.
17. NACO Representative, WHO's 3 by 5 mission committee, New Delhi.
18. Technical Expert on various HIV related Committees for developing guidelines, protocols and designs.
19. Nodal Officer, ART Roll out programme, GOI, Free Access to ART, J J Hospital, Mumbai.
20. Member, Research Core Group, PPTCT + Program, NACO.
21. Member, ICMR Sub-Committee for AIDS Vaccine Trial, NARI.
22. Member, NACP -III Working group, care support and treatment, NACO-GOI.
23. Member, Inst. Ethical review committee Hinduja Hospital Mumbai.

b. Editorial Boards -

Dr Alka Deshpande, Member

1. Editorial Board, Journal of Associations of Physicians of India.
2. Editorial Board, Indian Practitioner.
3. Editorial Board, Journal of Critical Care.

d. Any other (please specify)

Dr Jaishree Ghanekar

1. Member of B.O.S of MGMIHS, member of IERRC, member of scientific committee.
2. Member of anti ragging committee, member of UG teaching programme.

- 27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs):** Available with the department
- 28. Student project**
- **Percentage of students who have done in-house projects including inter departmental projects** Post graduate students projects: Completed: 16
On going:16.
 - **Percentage of students doing projects in collaboration with other universities / industry /institute:** Nil.
- 29. Awards / recognitions received at the national and international level by**
- **Faculty -**
Dr Alka Deshpande- Padma Shree in 2001
Dr Jaishree Ghanekar - FAIMER fellowship in 2011
 - **Doctoral / post doctoral fellows**
 - **Students**
40th Annual meeting of RSSDI 2012 - First prize in poster presentation - Dr Yash Patel
Quiz winners
National hematology Quiz 2012 – Second prize - Dr Neha, Dr Bhargava
- 30. Seminars/ Conferences / Workshops organized and the source of funding (national / international) with details of outstanding participants, if any -** (available with the department)

National- 5

Medicine Update 2013 (date 24th Jan 2013)

CME on Tuberculosis (21st March 2013)

CME on stem cell biology and therapy - (27-9-13)

National symposium on diabetes- Diabecon -13 (11th and 12th Oct 2013)

Organized CME on Diabetes on 17.11.2015

International- 3

Medicine update 2013 (30th Jan 2013)

Live web streaming by RCPI from 2012 onwards

CME on Sleep Disorders (4th and 5th Sept. 2015)

Diabecon- 2013

CME on stem cell- Jan 2013

Outstanding participants-

Dr O.P . Kapoor's oration in Medicine update-Jan 2012

Dr Farooq Udwadias oration in TB update- Jan 2013

Royal college of physician participation- CME in Jan 2013

Dr Geoff Chadwick .

Dr Velu Nair oration on stem cells- (27-9-13)

Padma shree Dr V Mohan oration- (11 -10-13)

Life time achievement award to Dr O.P. Kapoor and Dr Farouque Udwadia.

31. Code of ethics for research followed by the departments: As per UGC guidelines and as per ICMR ethical guidelines for bio-medical research on human participants.

32. Student profile program-wise: The selection process is done by AMUPMDC and the data related is available with the competent authorities. The student profile according to the examination conducted by the MUHS and the pass percentage is available with the department.

33. Diversity of students:

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
BDS – 2011	91	6	2	1
BDS – 2012	88	4	4	3
BDS – 2013	91	7	1	1
BDS – 2014	97	1	2	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: Nil

35. Student progression: Details available with department.

36. Diversity of staff: Details available with department.

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: Nil

38. Present details of departmental infrastructural facilities with regard to:

a. Library -

Text and reference books - 250

Thesis - 8

Charts and pictures - 26

CD and DVD - 15

b. Internet facilities for staff and students: 5 computers with internet facility

c. Total number of class rooms:

Seminar room - 1

Class rooms - 1

Bed side clinic rooms - 6

d. Class rooms with ICT facility - 1

e. Students laboratories - Nil

- f. Research laboratories - Research labs by MGMIHS, which could be utilized by all researchers.

39. List of doctoral (MD), post-doctoral students and Research Associates-

a. From the host institution/university -

Dr Swapnil , Dr Sharwari, Dr Rohan Yewale, Dr Jeyhan

b. From other institutions/ universities

Batch 2012

Dr Hardeep Singh
Dr Gursimran Singh
Dr Prakash Kyada
Dr Vishal Karwande
Dr Raguram Pusukuru
Dr Arjun Sheno
Dr Arpita Sandagiri

Batch 2013

Dr Satish Chavan
Dr Ankit Mehta
Dr Asees singh
Dr Rajat Chopra
Dr Rohan Thanedar
Dr Naga Pushyami
Dr Aadijaya Bhatia

Batch 2014

Dr. Rishabh Naik
Dr. Tasneem Bharmal
Dr. Hiteshbhai Jagmalbhai Desai
Dr. Karandeep Singh
Dr. Kunal Rajesh Bhuta
Dr. Sujit Kumar Shahi
Dr. Atul Rai

Batch 2015

Dr. Vaidehi Kulkarni
Dr. Purva Bavikar
Dr. Viraj Jadhav
Dr. Arpan Singh
Dr. Harshad Rajge
Dr. Saurabh Goel
Dr. Bilal Pathan

- 40. Number of post graduate students getting financial assistance from the university - All post graduate students.**
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: Yes, conducted at**
- Instiutional Level
 - State Level by DMER
 - National Level by MCI and DC
- 42. Does the department obtain feedback from**
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?-** Yes, Suggestions given by faculty regarding curriculum and TL methods are forwarded to Board of Studies for consideration and approval.
 - students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?-** Yes, (corrective measures implemented for formation of better curriculum designing). Feedback forms available with the Dean, MGM Dental College.
 - Alumni and employers on the programs offered and how does the department utilize the feedback? –** Not available.
- 43. List the distinguished alumni of the department -**
- Dr Abhijit Korane - M.D. medicine from Institute in 2007, DNB Nephro -2012
 - Dr Vijay Kadam MD Medicine from Institute in 2009, Completed DM cardiology
 - Dr Nikhila pachani MD Medicine from institute in 2011, Completed DM Cardiology
 - Dr Hrishikesh Desle MD Medicine from institute, Completed DM Cardiology
 - Dr Nikhil Sinha MD medicine from the institute in 2011, Worked as faculty member in Dept
 - Dr Neha Aatile MD medicine from the institute in 2013, Worked as faculty member in Dept
 - Dr Kunal jadhav: DM neurology
 - Dr Bhargav Reddy: DNB gastroenterology
 - Dr Charan reddy: DNB cardiology
 - Dr sainath Hegde: DM cardiology
- 44. Give details of student enrichment programmes (special lectures/workshops/seminar) involving external experts: Details available with the department.**
- 45. List the teaching methods adopted by the faculty for different programmes.**
- UG:** Didactic lectures, small group tutorials, bed side teaching in small groups.
- PG:**
- Seminars, case presentations, Journal club, CPC, Death meetings, Thesis review, Interesting ECG, X-rays.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- By regular internal assessments.
- Verbal and structured feedback from students on teaching-learning.
- Strict monitoring of teaching activity with regular feedback to the students.

47. Highlight the participation of students and faculty in extension activities.

- The faculty and post graduate students regularly attend multidagnostic camps and there is active participation of faculty and PG students to render services in RGJAY scheme under govt of Maharashtra.
- Number of camps attended in last 3 years - 100
- Speciality services like cardiology, nephrology, neurology being regularly attended by the students.
- Speciality services - Post Graduate students are posted in speciality clinics as neurology, cardiology, nephrology.

48. Give details of “beyond syllabus scholarly activities” of the department.

- Faculty members are encouraged to do research and publish their work in journals.
- Deptt adopts new teaching learning methods to improve learning by students
- Few New T-L Methods

UG -

- CBL - 2011
- SLOT - 2013
- Symposiums by students with faculty as facilitator

PG -

- OSCE - Formative assessment of post graduates from 2013
- CPC - Since 2010
- Integrated case discussion with Deptt of Pathology
- Students are encouraged to participate in quiz, debate competition and cultural events in and outside campus.
- Three of the faculty members are trained in basic course in medical education and other members will be trained in same in future. These workshops help to improve teaching skills in faculty members.
- One of the faculty has received FAIMER fellowship.
- Faculty on various boards and committee of college and university.

49. State whether the programme/ department is accredited / graded by other agencies? If yes, give details: Yes, MCI recognized, NAAC A grade.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

- A randomized controlled trial to assess the effects of a mind body intervention technique, Sahaja Yoga Meditation (SYM) on stress reduction in long term practitioners of SYM and study showed SIGNIFICANT LOWER STRESS LEVELS IN THE YOGA GROUP AS COMPARED TO THE NON YOGA GROUP, as indicated by study of various Stress parameters assessed.
- Based on data of study results of critically ill patients, APACHE IV scoring system is used to analyse and manage patients.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength:

- Well qualified and stable faculty core group.
- Cooperative and cordial working environment.
- Frequent and active teacher-student interaction and encouragement for students for active participation in academic activities within and outside the Department.
- Well equipped Intensive care unit with 24 hours Intensive care by trained post graduates for surrounding population.
- Extensive and easily accessible library resource base.

Weakness:

- Paucity of Research activities and aptitude especially in junior faculty.
- Inadequate Documentation of activities.
- Data management of follow up patients.
- Absence of skill lab.
- Unavailability of extra space for step down ICU.

Opportunities:

- To develop conducive research environment.
- To start new courses.
- To conduct large scale National, International conferences more frequently.
- To develop management protocol based on inhouse data.

Challenges:

- To improve and maintain learning outcomes at the best.
- Motivation of faculty for research aptitude.
- Additional faculty for new courses.

52. Future plans of the department.

Publication of hand books

Two original research by faculty every year in collaboration with other Deptts

Skill lab

Item analysis

Development of sleep laboratory.

Evaluation Report of the Department

1. **Name of the Department :** General Surgery
2. **Year of Establishment :** 1989
3. **Is the Department part of a Faculty of the university? Yes, part of MGM Medical college MGM Institute of health sciences: Yes**
4. **Names of Programme / Courses offered**
UG - BDS and MBBS BPTH
PG - MS, MDS Ph.D. and M.Phil
5. **Interdisciplinary programmes and departments involved :**
PG - CVTS, Neurosurgery, Urology, Paed, Surgery, OBGY, EMS.
6. **Courses in collaboration with other universities, industries, foreign institute, etc. :** None
7. **Details of programmes/courses discontinued, if any, with reason :** None
8. **Examination system :**
Annual: BDS, M.S.
Semester: MBBS
9. **Participation of the department in the courses offered by other department :**
Yes
10. **Number of teaching posts sanctioned and filled (Professor/Associate Professor/Asst. Professors):**

	Sanctioned as per DCI	Filled	Actual
Professor	-	-	6
Asso Professor	1	1	5
Lecturer	3	3	4
Senior Resident	-	-	-

11. **Faculty profile with name, qualification, designation and specialization (D.Sc/D. Litt./M.Phil., etc.):**

Sr. No.	NAME OF FACULTY	Qualification	Designation	Specialization	Experience
1	Dr. Kalyanshetti Ashok	MBBS, MS	Professor and HOD	General Surgeon	26 Yrs.
2	Dr. G.S. Narshetty	MBBS, MS	Professor	General Surgeon	28 Yrs.
3	Dr. Ali Reza S.	MBBS, MS	Professor	General Surgeon	21 Yrs.
4	Dr. Prashant Athale	MBBS, MS	Professor	General Surgeon	23 Yrs.
5	Dr. KundanGedam	MBBS, MS	Professor	General Surgeon	17 Yrs.
6	Dr. D. B. Bhussare	MBBS, MS, M.Ch.	Professor		19 Yrs.
7	Dr. S. Pani	MBBS, MS	Associate Professor	General Surgeon	12 Yrs.
8	Dr. Vyas Natwar L.	MBBS, MS, FAIS	Associate Professor	General Surgeon	13 Yrs.
9	Dr. LishaSuraj	MBBS, DNB, AIG-ES, MAS	Associate Professor	General Surgeon	10 Yrs.
10	Dr. JadhavRaviraj	MBBS, MS	Associate Professor	General Surgeon	10 Yrs.
11	Dr. Jadhav Ashish T.	MBBS,MS	Associate Professor	General Surgeon	10 Yrs.
12	Dr. Sujit Prasad	MBBS,MS	Assistant Professor	General Surgeon	7 Yrs.
13	Dr. Binal Kumar Saxena	MBBS, MS	Assistant Professor	General Surgeon	6 Yrs.
14	Dr. Subhash P. Desai	MBBS, MS	Assistant Professor	General Surgeon	6 Yrs.
15	Dr. Sanish Shringarpure	MBBS, MS	Assistant Professor	General Surgeon	9 Yrs.
16	Dr. Atul K. Govardhan	MBBS, MS	Assistant Professor	Plastic Surgeon	7 Yrs.
17	Dr. NeerajPatni	MBBS, MS, Mch	Assistant Professor	Neuro Surgeon	7 Yrs.
18	Dr. Arun Pol	MBBS, MS	Assistant Professor	General Surgeon	6 Yrs.
19	Dr. Adnan Shaikh	MBBS, MS, M.Ch.	Assistant Professor	General Surgeon	½ Yrs.

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus Professors :

1. Visiting faculty: Maninder Singh setia
2. Adjunct faculty: Dr. Nivruti Patil

13. Percentage of classes taken by temporary faculty: We do not have any temporary faculty.

14. Programme – wise Student Teacher Ratio :

Programme	Student teacher Ratio
BDS	1:6.5
MBBS	1:6.5

15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

Post	Sanctioned	Filed	Actual
Jr. Office Assistant	1	1	1
Peon	1	1	1
Store Keeper	1	1	1

16. Research thrust areas recognized by major funding agencies:

Use of medicated meshes

Laparoscopy and its advancements

17. Number of faculty with ongoing project from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise: Nil

18. Inter – institutional collaborative projects and grants received: Nil

19. Departmental projects funded by ICMR DST-FIST; UGC-SAP/CAS,DPE; DBT, ICSSR, etc; total grants received : Nil

20. Research facility/Centre .

- State recognition :
- National recognition : NABH
- International recognition : No

21. Special research laboratories sponsored by/created by industry or corporate bodies : Nil

22. Publications :

- Number of papers published by in peer reviewed journals.
National : 36
International: 02
- Monographs: Nil
- Chapter in Books: Nil
- Edited Books : 02
- Books with ISBN with details of publishers: Nil

- **Number listed in International Database (For e.g. Web of science, Scopus, AHumanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, etc.): Nil**
- **Citation Index –range /average: Nil**
- **SNIP : Nil**
- **SJR: Nil**
- **Impact Factor-range /average: No. of publication : 2.00**
- **h–index : Nil**

23. Details of patents and income generated : Nil

24. Areas of consultancy and income generated : NRHM

25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad : Nil

26. Faculty serving in: a) National committees b) International committees c) Editorial Board d) any other:

- Dr. Kalyanshetti:
- Dr. Ashish Jadhav

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshop, training programs and similar programs). 04

28. Student projects

- **Percentage of students who have done in-house projects including inter-departmental projects: 18 complete, 18 ongoing**
- **Percentage of students doing projects in collaboration with other universities/industry/institute : Nil**

29. Awards /recognitions received at the national and international level by

- **Faculty:** 2 national conferences chaired, Dr. Kalyanshetty and Dr. Vyas
- **Doctoral /post doctoral fellows:** Nil
- **Students:** Dr. Damania, Dr. Mayur Mhatre.
- Our students went for inter medical sports event and goat gold medal in football and in tennis.

30. Seminars/ Conferences/ Workshops organized and the source of funding (national international) with details of outstanding participants, if any.

- Nuclear Medicine' 08/03/2014
- Surgical update in Paed Surg. 16/04/14
- 'Acute Abdomen' 29/12/2014
- Endoscopy review in surgery by Dr. Murty

31. Code of ethics for research followed by the departments: As per University guidelines ICH and GCPIERC and as per ICMR 2006 ethical guidelines and CPCSEA for animal experiment.

32. Student profile programs-wise: Student profile program-wise:

The selection process is done by AMUPMDC and the data related is available with the competent authorities. The student profile is according to the examination conducted by the MUHS and the pass percentage is available with the department.

33. Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
BDS – 2011	91	6	2	1
BDS – 2012	88	4	4	3
BDS – 2013	91	7	1	1
BDS – 2014	97	1	2	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examination? Give details category wise: Nil

35. Student progression

Student progression	Percentage against enrolled				
	2011	2012	2013	2014	2015
UGtoPG	18 %	21 %	23 %	20 %	26 %
PG to M.Phil / DM /M Ch/DNB	none	-	-	-	-
PGtoPh.D.	none	-	-	-	-
Ph.D.toPost-Doctoral	none	-	-	-	-
Employed					
► Campus selection	-	-	5%	10%	15%
► Other than campus recruitment	100%	100%	95%	90%	85%
Entrepreneurs	none				

36. Diversity of staff

Percentage of faculty who are graduated	100 % graduation
Of the same university	02 (9%)
From other universities within the State	15 (73%)
From universities from other Stated	4 (18%)
From universities outside the country	Nil

37. **Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D. Litt. During the assessment period:** Nil
38. **Present details of departmental infrastructural facilities with regard to:**
- a) **Library :** Departmental Library and Central Library present.
 - No of books : 220
 - No of Journals 10
 - CD's 20
 - Seminars 20
 - Dissertation 30
 - b) **Internet facilities for staff and students :** Present(NKN national knowledge network 1 gb per second.)
 - c) **Total number of class rooms:** 03
 - d) **Class rooms with ICT facility:** 03
 - e) **Student's laboratories:** 01
 - f) **Research laboratories :** 04
39. **List of doctoral, post-doctoral students and Research /Associates :** Nil
- a) **From the host institution /university:** 18
 - b) **From other institution/universities:** Nil
40. **Number of post graduate students getting financial assistance from the University.**
- MS : 6
 - Ph.D : 2
41. **Was any need assessment exercise undertaken before the development of new programs(s)? If so, highlight the methodology.**
- Institutional level
State level - DMER
National level- MCI and DCI
42. **Does the department obtain feedback from: Inter departmental seminar.**
- a. **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?**
 - ▶ Feedback on curriculum is taken by faculties and discussed in BOS for discussion and approval.

- ▶ Periodical examination, counseling, mentoring, remedial classes conducted as per requirement.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Remedial steps are taken for short comings and enforce the positive outcomes via departmental meetings.

c. alumni and employers on the programs offered and how does the department utilize the feedback?

Alumni cell feedback, Employer's guidance through academic meetings.

43. List the distinguished alumni of the department (maximum 10):

- Dr. Rajay, oncosurgeon, training in Korea.
- Dr. MayurMhatre, neurosurgeon, training in Germany.
- Dr. Sameer Kadam doing CVTS.
- Dr. MehulDamaniya doing FRCS Ophthalmology.
- Dr. KhushwantPopli doing Mch CVTS.
- Dr. Vinod ShramaMch CVTS.

44. Give details of student enrichment programme (special lectures/workshops/seminar) involving external experts:

Sr. No.	Venue	Date	Topic	External expert	Target audience
1	MGM	08.03.14	Nuclear Medicine	Dr. Natasha Singh	Teacher and Students
2	MGM	29.12.14	Acute Abdomen	Dr. Jignesh Gandhi	Teacher and Students

- Our residents are sent regularly to AIIMS, KEM, Bangalore to attend seminars and PG teaching programme.
- Dr. Deshmukh, an external Emeritus faculty teaches the UG and PG students regularly.

45. List the teaching methods adopted by the faculty for different programmes.

- As per university and MET bed side teaching, small group discussion, seminars, hands on training etc are conducted.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- Examination following course curriculum Terminal tests and oral exam.
- Continuous Evaluation.
- Conducting CME s.
 - ▶ Updates in Nuclear medicine
 - ▶ Recent advances in Paediatric surgery

- ▶ Acute abdomen
- ▶ Competency based curriculum

47. Highlight the participation of students and faculty in extension activities :

- Health education through street plays, college, annual function .Trekking, Bha-ja caves, White water rafting at Dandeli.

48. Give details of “beyond syllabus scholarly activities” of the department -

- Medical camp conducted in different PHC of the state. In Karjat, Kashale, Kolhapur , Khopoli and Nere.

49. State whether the programme / department is accredited/graded by other agencies?

- Yes, we are recognized by Maharashtra State Medical Council, MCI, and NABL.
- MGM Institute of Health Sciences, Navi Mumbai is accredited by NAAC “A” grade
- Central Laboratory of MGM Hospital is accredited by NABL
- RGJAY is accredited by NABH

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied

- Filariasis text books by Dr. S. Pani.
- Textbook on upper GI endoscopy by Dr. N. L. Vyas.
- Familial Gynaecomastia cases reporting Dr. Kalyanshetti.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges(SWOC) of the department

Strengths

- Highly qualified and dedicated staff and supportive superspeciality like CVTS, Neurosurgery, Urology.
- Most of them have been working for more than 10 years in the institution.
- New modules like laparoscopy and endoscopy have been started.
- Co-ordination and cooperation are hallmarks of department.
- The department is research oriented gives good opportunities to the students.

Weaknesses:

- Location away from railway station, leading to difficulties in commutation.
- Escalating cost of the treatment is hindering the progress of research and clinical treatment, so we are looking for grants.
- Lack publicity.

Opportunities:

- The population in Kamothe and Kalamboli was less, now it is picking up and so scope for increase.

- More and more students want to join MGM.
- Research lab is doing best job.
- Better selection process.
- **Challenges:**
- Keeping pace with technology.
- Up gradation of quality of services in view of rising number of health care institutions.
- Keeping pace with the demand by patients and students.
- Training the staff.

52. Future plans of the department.

- To increase the number of PG admission and to provide MCh Oncosurgery.
- Developed surgical gastroenterology.
- Develop haepatobiliary surgery and liver transplant department.
- Making the surgical department one of the best in the state.
- Aesthetic dentistry department to be developed.

Evaluative Report of the Department

1. **Name of the Department:** Anaesthesiology
2. **Year of establishment:** 1989
3. **Is the Department part of a School / Faculty of the university?** Yes part of Medical College, Navi Mumbai under MGMIHS.
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)** PG - MD and DA Anaesthesiology.
5. **Inter disciplinary programmes and departments involved** Yes as per MCI norms
Departments involved – EMS, Oral and Maxillo Facial Surgery, Paediatric Surgery, Critical care.
6. **Courses in collaboration with other universities, industries, foreign institutions etc.** None.
7. **Details of programmes discontinued, if any, with reasons** None.
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System.**
BDS- Annual
MDS-Annual
9. **Participation of the department in the courses offered by other departments.**
As per DCI Guidelines
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned	Filled
Professor	01	01
Associate Professors	01	01

11. **Faculty profile with name, qualification, designation, area of specialization; experience and research under guidance**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. /M.Phil. /MD students guided for the last 4 years
Dr. Olvyna D'Souza	MD - 1995	Prof and HOD	Anaesthesiology	14Yrs.	4
Dr. Vishwas Sathe	MD – 2010	Associate. Professor	Anaesthesiology	5 Yrs. 5 Month	

12. **List of senior visiting fellows, adjunct faculty, emeritus professors** - Nil

13. Percentage of classes taken by temporary faculty-programme-wise information

We do not have any temporary faculty.

14. Programme-wise Student Teacher Ratio

UG-5:1.

PG-2:1 for Professor, 1:1 for Asso Prof.

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Technical -2

Non Technical -2

16. Research thrust areas as recognized by major funding agencies - Nil

17. Number of faculty with ongoing projects from

a. National -None

b. International funding agencies and - None

c. Total grants received - None

Give the names of the funding agencies, project title and grants received project-wise.

18. Inter-Institutional collaborative projects and associated grants received

a. National collaboration - Nil

b. International collaboration - Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received - Nil

20. Research facility/centre with – yes, as per university document and in main campus

- State recognition - Yes
- National recognition - Yes
- International recognition - No

21. Special research laboratories sponsored by/created by industry or corporate bodies.

Central research lab, Stem cell lab, Proteomics.

22. Publications:

- Number of papers published in peer reviewed journals (National/ International)
7
International 3 National 4
- Monographs - None
- Chapters in Books - None
- Edited Books - None
- Books with ISBN with details of publishers - None
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc).

- Citation Index – range / average
- SNIP
- SJR
- Impact Factor – range / average
- h-index: Details available with the department

23. Details of patents and income generated - Nil

24. Areas of consultancy and income generated - Faculty members of the Dept are actively involved in NRHM camps organized by Community Medicine Dept.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad - None

26. Faculty serving in -

- National Committees - None
- International committees - None
- Editorial Boards - None
- Any other (please specify)

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs): 18.

28. Student project -

- **Percentage of students who have done in-house projects including inter departmental projects**
Post graduate students projects: Completed -18, On going - 18
- **Percentage of students doing projects in collaboration with other universities / industry /institute** - Nil

29. Awards / recognitions received at the national and international level by

- **Faculty:** Nil
- **Doctoral / post doctoral fellows:** Nil
- **Students** First and Second Position in CTLS Course during South Asian Federation of Anaesthesiologists Conf at Bengaluru in 2009.
- 2nd Prize in power point presentation in 3rd International Conference in Recent Advances in Anaesthesiology At New Delhi, 2014.

30. Seminars / Conferences / Workshop organized and the source of funding (national /international) with details of outstanding participants, if any.

Workshops.

- Mechanical Ventilation
- Airway Management in 2011

31. Code of ethics for research followed by the departments –As per ICMR guidelines 2006 for research on human participants.

32. Student profile program-wise: The selection process is done AMUPMDC and data related is available with the competent authorities. The student profile is according to

the examination conducted by the MUHS and the pass percentage is available with the department.

33. Diversity of students

Name of the Programme (refer to question no.4)	% of students from the same university	% of students from other universities within the state	% of students from universities outside the State	% of students from other countries
BDS- 2011	91	6	2	1
BDS- 2012	88	4	4	3
BDS- 2013	91	7	1	1
BDS- 2014	97	1	2	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise - None

35. Student progression

Student progression	Percentage against enrolled				
	2011	2012	2013	2014	2015
UG to PG	18%	21%	23%	20%	26%
PG to M.Phil./DM/M.ch/DNB	None				
PG to Ph.D.	None				
Ph.D. to Post-Doctoral	None				
Employed					
Campus selection	5% 10% 15%				
Other than campus recruitment	100%	100%	95%	90%	85%
Entrepreneurs	none				

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	26%
from other universities within the state	50%
from universities from other states	25%
from universities outside the country	none

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period. None

38. Present details of departmental infrastructural facilities with regard to

a. Library

Text and reference books-108

Thesis – 15

Charts and Pictures- 15

b. Internet facilities for staff and students: 2

c. Total number of class rooms: Seminar room - 1, Bed side clinic room -1

d. Class rooms with ICT facility: One

e. Students laboratories: NA

f. Research laboratories: Nil

39. List of doctoral, post-doctoral students and Research Associates

a. From the host institution/university: 03

Dr. Supriya, Dr. Mansi Bapat, Dr. Shradha

b. From other institutions/ universities: 16

Batch- 2011

Dr Rakesh Singh

Dr Amrita Nandi

Dr Nitin Kapoor

Dr Kanha Agrawal

Dr Shika Malhotra

Batch- 2012

Dr Deepika Saren

Dr Satish Patil

Dr Vijay Bhola

Dr Navneet Bajwa

Dr Madhavi Narwal

Dr Syed Zeba

Batch -2013

Dr Charu Sudan

Dr Kagade Sonali Sanjay

Dr Jay Kothari

Dr Asim Shekhar

Dr Shweta Nitturi

Dr Bhakti Bhalval

Dr Anshika Sirohi

Batch 2014

Dr Arjun Joshi

Dr Rohan Nayak

Dr Divya Madaan

Dr Sugampreet Kaur

Dr Taqueer Mir

Dr Himesh Shewale

Dr Aditi kadakia

Dr Smita Singh

40. Number of post graduate students getting financial assistance from the university.

All Post Graduate students.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology -

Institutional level

State level: DMER

National level: MCI and DECI

42. Does the department obtain feedback from

- a. **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?** New formats are designed for practical training of residents.
- b. **students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?** Valuable observations and suggestions, feedbacks are received from students at the end of each term.
- c. **alumni and employers on the programmes offered and how does the department utilize the feedback?** Comparative evaluations are received from the alumni from different countries which helps the Dept to formulate the next teaching session.

43. List the distinguished alumni of the department (maximum 10)

- Dr Preeti Mahadik Nemade finished her Fellowship in Anaesthesiology FRCA from University of London in 2013.
- Dr Bupesh has finished PDCC in cardiac anaesthesiology at KLE Medical College and Hospital in Belgaum.
- Dr Pankaj is doing Fellowship in Anaesthesiology from University of Ireland.

44. Give details of student enrichment programmes (special lectures/workshops/seminar) involving external experts. Workshop on vaporizers by expert from Tata Memorial Hospital Parel Mumbai organized mainly for the practical utilization and understanding of different vaporizers.

45. List the teaching methods adopted by the faculty for different programmes.

- UG- Small group tutorials, - Didactic lectures.
- PG- Interactive sessions, Seminars, Lecture Demonstrations, Journal club, motility meetings, case presentations.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? Periodic monthly evaluations and Half yearly Practice examinations.

47. Highlight the participation of students and faculty in extension activities.

The faculty and post graduate students attend camps.

Faculty and PG students actively render services in RGJAY scheme.

48. Give details of “beyond syllabus scholarly activities” of the department.
Participation of the faculty and students in competitions held by neighbouring Institutes and at National Conferences. Faculty members are encouraged to do research and publish their work in journals.

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details.

Recognised by the Medical Council of India NAAC ‘A’ grade.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. Attempts are being made to standardize the various techniques involved in the art and science of Anaesthesiology.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength:

- Availability of knowledge for achieving the best in Anaesthesiology.
- Frequent and active teacher-Student interaction and encouragement for students for active participation in activities within and outside the department.
- Well equipped Intensive care unit with 24 hours Intensive care by trained post graduates for surrounding population.

Weakness:

- Paucity of Research activities and aptitude especially in junior faculty.

Opportunities:

- To let the public become aware of the need and availability of Anaesthesiology.
- To conduct large scale National, International conferences more frequently.

Challenges -

- To be one of the best Institutions for the speciality.
- Motivation of faculty for research aptitude.

52. Future plans of the department.

- Publication of hand books
- Two original research by faculty every year in collaboration with other Dept skill lab Item analysis.
- To be capable of performing to the best of ability in all aspects of expert and safe delivery of Anaesthesiology services to the patients.
- Start research activity by faculty in collaboration with other department.
- To increase the number of publications in the department.





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