EVALUATIVE REPORT OF THE DEPARTMENTS

VOLUME - II
Cycle - I

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
<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Description</th>
<th>Page No.</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>EVALUATIVE REPORT OF THE DEPARTMENTS</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Department of Prosthodontics and Crown and Bridge</td>
<td>1</td>
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<tr>
<td>2</td>
<td>Department of Conservative Dentistry and Endodontics</td>
<td>21</td>
</tr>
<tr>
<td>3</td>
<td>Department of Oral and Maxillofacial Surgery</td>
<td>37</td>
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<td>4</td>
<td>Department of Periodontics</td>
<td>57</td>
</tr>
<tr>
<td>5</td>
<td>Department of Orthodontics and Dentofacial Orthopaedics</td>
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</tr>
<tr>
<td>6</td>
<td>Department of Paediatric and Preventive Dentistry</td>
<td>85</td>
</tr>
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<td>7</td>
<td>Department of Oral Medicine and Radiology</td>
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<td>8</td>
<td>Department of Public Health Dentistry</td>
<td>109</td>
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<td>9</td>
<td>Department of Oral Pathology and Microbiology</td>
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</tr>
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<td>10</td>
<td>Department of Anatomy</td>
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<tr>
<td>11</td>
<td>Department of Physiology</td>
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<tr>
<td>12</td>
<td>Department of Biochemistry</td>
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<td>13</td>
<td>Department of Pharmacology</td>
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<td>14</td>
<td>Department of Pathology</td>
<td>179</td>
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<tr>
<td>15</td>
<td>Department of Microbiology</td>
<td>193</td>
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<td>16</td>
<td>Department of General Medicine</td>
<td>207</td>
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<tr>
<td>17</td>
<td>Department of General Surgery</td>
<td>219</td>
</tr>
<tr>
<td>18</td>
<td>Department of Anaesthesiology</td>
<td>229</td>
</tr>
</tbody>
</table>
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.):**
   - Undergraduate: Bachelor of Dental Surgery (B.D.S.)
   - Postgraduate: 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.

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)**
<table>
<thead>
<tr>
<th>DCI Requirement</th>
<th>Sanctioned</th>
<th>Filled and Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Associate Professor/Reader</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Lecturer</td>
<td>04</td>
<td>04</td>
</tr>
<tr>
<td>Tutor / Clinical Instructor</td>
<td>04</td>
<td>05</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>11</strong></td>
<td><strong>12</strong></td>
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</tbody>
</table>

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. of Years of Experience</th>
<th>Research under guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Sabita Ram</td>
<td>M.D.S</td>
<td>Prof and H.O.D</td>
<td>Prosthodontics</td>
<td>34 years</td>
<td>09</td>
</tr>
<tr>
<td>Dr. Jyoti Nadgere</td>
<td>M.D.S</td>
<td>Professor/Reader</td>
<td>Prosthodontics</td>
<td>22 years</td>
<td>07</td>
</tr>
<tr>
<td>Dr. Naisargi Shah</td>
<td>M.D.S</td>
<td>Professor/Reader</td>
<td>Prosthodontics</td>
<td>20 years</td>
<td>06</td>
</tr>
<tr>
<td>Dr. Tulika Khanna</td>
<td>M.D.S</td>
<td>Reader/ Lecturer</td>
<td>Prosthodontics</td>
<td>7.1 years</td>
<td></td>
</tr>
<tr>
<td>Dr. Janani Iyer</td>
<td>M.D.S</td>
<td>Reader Lecturer /</td>
<td>Prosthodontics</td>
<td>7 years</td>
<td></td>
</tr>
<tr>
<td>Dr. Anuradha Mohite</td>
<td>M.D.S</td>
<td>Lecturer</td>
<td>Prosthodontics</td>
<td>2.5 years</td>
<td></td>
</tr>
<tr>
<td>Dr. Sankalp Bhandarkar</td>
<td>M.D.S</td>
<td>Lecturer</td>
<td>Prosthodontics</td>
<td>11 months</td>
<td></td>
</tr>
<tr>
<td>Dr. Abhijit Jadhav</td>
<td>B.D.S</td>
<td>Tutor</td>
<td></td>
<td>10 years</td>
<td></td>
</tr>
<tr>
<td>Dr. Salma Tadvi</td>
<td>B.D.S</td>
<td>Tutor</td>
<td></td>
<td>9 years</td>
<td></td>
</tr>
<tr>
<td>Dr. Sudarshan Kadam</td>
<td>B.D.S</td>
<td>Tutor</td>
<td></td>
<td>9 years</td>
<td></td>
</tr>
<tr>
<td>Dr. Mangesh Jadhav</td>
<td>B.D.S</td>
<td>Tutor</td>
<td></td>
<td>8.8 years</td>
<td></td>
</tr>
<tr>
<td>Dr. Munitha Naik</td>
<td>B.D.S</td>
<td>Tutor</td>
<td></td>
<td>7 years</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Program</th>
<th>Student Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS</td>
<td>9:1</td>
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<tr>
<td>PG Diploma</td>
<td>1:1</td>
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<tr>
<td>MDS</td>
<td>1:1</td>
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</table>

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

<table>
<thead>
<tr>
<th>Staff</th>
<th>Sanctioned</th>
<th>Filled</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dental Technicians</td>
<td>05</td>
<td>05</td>
<td>05</td>
</tr>
<tr>
<td>Store Incharge</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Computer operator</td>
<td>01</td>
<td>01</td>
<td>01</td>
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<tr>
<td>DSA</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Attender</td>
<td>05</td>
<td>05</td>
<td>05</td>
</tr>
<tr>
<td>Receptionist</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Total</td>
<td>14</td>
<td>14</td>
<td>14</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Sr no.</th>
<th>Title of project</th>
<th>Name of Faculty</th>
<th>Funding agency</th>
<th>Grants received</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>A survey to evaluate the prevalence of snoring in students of MGM dental college.</td>
<td>Dr. Janani Iyer, Dr. Tulika Khanna, Dr. Jyoti Nadgere, Dr. Naisargi Shah, Dr. Sabita Ram, Dr. Anuradha Mohite</td>
<td>MGM Trust</td>
<td>Rs. 25,000 /-</td>
</tr>
</tbody>
</table>
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 electromyography 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 alloted 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 (SCIImago 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 componies for manufacturing right size of Implants for Indian patients.
- Research consultancy with Prime Dental Products for the suggetion to the manu-facturers 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 comelete 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.

<table>
<thead>
<tr>
<th>Year (June to May)</th>
<th>No. of programme attended by staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2012</td>
<td>21</td>
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<tr>
<td>2012-2013</td>
<td>22</td>
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<tr>
<td>2013-2014</td>
<td>22</td>
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<tr>
<td>2014-2015</td>
<td>24</td>
</tr>
<tr>
<td>2015- till date</td>
<td>09</td>
</tr>
<tr>
<td>Total</td>
<td>98</td>
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</tbody>
</table>

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
     a) 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 reality 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.


7. Second Rank in MUHS exam Dr. Ragini Sanaye.

8. Snap on smile By Zynia Branko intern at 52nd Maharashtra State Dental Conference, Nashik.


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 discoulouration 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.

   - 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.

   - 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 Tunkiwala, on 17/10/2012.
   - Source of funding-MGM Dental college and American Academy of Cosmetic Dentistry (AACD).
   - Outstanding participants-
     National faculty: Dr. Ali Tunkiwala.
     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.

    - 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 Tunkiwala on 18/3/2015.
    - Source of funding- AACD.
    - Outstanding participant-
      National faculty: Dr. Ali Tunkiwala.
      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

<table>
<thead>
<tr>
<th>Name of the Program (refer to question no. 4)</th>
<th>% of students from the same university</th>
<th>% of students from other universities within the State</th>
<th>% of students from universities outside the State</th>
<th>% of students from other countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS – 2011</td>
<td>91</td>
<td>6</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>BDS – 2012</td>
<td>88</td>
<td>4</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>BDS – 2013</td>
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</tr>
<tr>
<td>BDS – 2014</td>
<td>97</td>
<td>1</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>MDS – 2011</td>
<td>67</td>
<td>33</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>MDS – 2012</td>
<td>100</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>MDS – 2013</td>
<td>100</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>MDS – 2014</td>
<td>67</td>
<td>33</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>MDS – 2015</td>
<td>67</td>
<td>0</td>
<td>33</td>
<td>0</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Percentage against enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011</td>
</tr>
<tr>
<td>UG to PG</td>
<td>18 %</td>
</tr>
<tr>
<td>PG to M.Phil / DM / M Ch / DNB</td>
<td>None</td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td>None</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>None</td>
</tr>
</tbody>
</table>
### Employed

<table>
<thead>
<tr>
<th>Campus selection</th>
<th>-</th>
<th>-</th>
<th>5%</th>
<th>10%</th>
<th>15%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other than campus recruitment</td>
<td>100%</td>
<td>100%</td>
<td>95%</td>
<td>90%</td>
<td>85%</td>
</tr>
<tr>
<td>Entrepreneurs</td>
<td>None</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

#### 36. Diversity of staff

**Percentage of faculty who are graduates**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>of the same university</td>
<td>58.33 %</td>
</tr>
<tr>
<td>from other universities within the State</td>
<td>16.67 %</td>
</tr>
<tr>
<td>from universities from other States</td>
<td>25 %</td>
</tr>
<tr>
<td>from universities outside the country</td>
<td>NIL</td>
</tr>
</tbody>
</table>

#### 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

- **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
- **Internet facilities for staff and students**: 03 computers with internet facility
- **Total number of class rooms** – 04
  - Seminar room -01
- **Class rooms with ICT facility and ‘smart’ class rooms** – Yes, 4+1 (Wi-Fi available and CD For Lectures available in department)
- **Students laboratories** – Yes Available
- **Research laboratories** – Yes Available

#### 39. List of doctoral, post-doctoral students and Research Associates

- **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, 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 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
   **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 on 17th Oct 2012
   **External expert Dr. Ali Tunkiwala**
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 (IAA Ced) 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 Tunkiwala**

5) A Lecture on “Implants in day to day life” on 23/3/2015.

   **External expert - Dr. Naisargi Shah**

2015-till date


   **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 exper - 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 Gradute 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 establish 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)**

<table>
<thead>
<tr>
<th>DCI Requirements</th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Associate Professor/Reader</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Lecturer</td>
<td>04</td>
<td>04</td>
</tr>
<tr>
<td>Tutor / Clinical Instructor</td>
<td>04</td>
<td>04</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>11</strong></td>
<td><strong>11</strong></td>
</tr>
</tbody>
</table>
11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance.

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. of Years of Experience</th>
<th>Research under guidance*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Vanitha U. Shenoy</td>
<td>MDS</td>
<td>Professor and HOD</td>
<td>Conservative Dentistry and Endodontics</td>
<td>27 yrs 6 months</td>
<td>11</td>
</tr>
<tr>
<td>Dr. Sumanthini MV</td>
<td>MDS</td>
<td>Professor/Reader</td>
<td>Conservative Dentistry and Endodontics</td>
<td>15 yrs 6 months</td>
<td>7</td>
</tr>
<tr>
<td>Dr. Anuradha Patil</td>
<td>MDS</td>
<td>Reader</td>
<td>Conservative Dentistry and Endodontics</td>
<td>4 yrs 2 months</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Janani Balachandran</td>
<td>MDS</td>
<td>Lecturer</td>
<td>Conservative Dentistry and Endodontics</td>
<td>3 years 3 months</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Rithima Sokhi</td>
<td>MDS</td>
<td>Lecturer</td>
<td>Conservative Dentistry and Endodontics</td>
<td>9 months</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Jayeeta Verma</td>
<td>MDS</td>
<td>Lecturer</td>
<td>Conservative Dentistry and Endodontics</td>
<td>9 months</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Mohit Bodhwani</td>
<td>MDS</td>
<td>Lecturer</td>
<td>Conservative Dentistry and Endodontics</td>
<td>2 months</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Rupali Asutosh Deshmukh</td>
<td>BDS</td>
<td>Tutor</td>
<td>-</td>
<td>15 yrs 9 months</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Manisha Manoj Bhosle</td>
<td>BDS</td>
<td>Tutor</td>
<td>-</td>
<td>12 yrs 11 months</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Mausami Aniruddha Malgaonkar</td>
<td>BDS</td>
<td>Tutor</td>
<td>-</td>
<td>9 yrs 3 months</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Mohammad Rafieeq M Nalband</td>
<td>BDS</td>
<td>Tutor</td>
<td>-</td>
<td>7 yrs 5 months</td>
<td>-</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Program</th>
<th>Student Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG</td>
<td>9:1</td>
</tr>
<tr>
<td>PG</td>
<td>1:1</td>
</tr>
</tbody>
</table>

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

<table>
<thead>
<tr>
<th>Staff</th>
<th>Sanctioned</th>
<th>Filled</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer operator</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Dental Technician</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Staff Nurse</td>
<td>02</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Lab attendant</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>05</strong></td>
<td><strong>05</strong></td>
<td><strong>05</strong></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Sr no.</th>
<th>Title</th>
<th>Faculty</th>
<th>Funding Agency</th>
<th>Grants received INR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Evaluation of the pH of Five Different Endodontic Sealers: An In-vitro Study.</td>
<td>Dr Vanitha U. Shenoy</td>
<td>MGM trust</td>
<td>5000</td>
</tr>
<tr>
<td>2</td>
<td>Association of diabetes type 2 with the prevalence of apical periodontitis and root canal treatment: A cross sectional study</td>
<td>Dr Vanitha U. Shenoy</td>
<td>MGM trust</td>
<td>5000</td>
</tr>
<tr>
<td>3</td>
<td>The treatment outcomes of Endodontically treated teeth with open apex: A retrospective and prospective study</td>
<td>Dr. Sumanthini MV</td>
<td>MGM trust</td>
<td>5000</td>
</tr>
<tr>
<td>4</td>
<td>Evaluation of the incidence of pain occurrence and healing outcomes following two different gutta obturation techniques: an in vivo study</td>
<td>Dr. Sumanthini MV</td>
<td>MGM trust</td>
<td>5000</td>
</tr>
<tr>
<td>Project Number</td>
<td>Title</td>
<td>Investigator</td>
<td>Institution</td>
<td>Grant Amount</td>
</tr>
<tr>
<td>----------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------</td>
<td>----------------------------</td>
<td>---------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>5</td>
<td>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.</td>
<td>Dr Janani Balachandran</td>
<td>MGM trust</td>
<td>5000</td>
</tr>
<tr>
<td>6</td>
<td>Evaluation of the correlation between dental caries and periodontitis - A clinico-immunological analysis</td>
<td>Dr Janani Balachandran</td>
<td>MGM trust</td>
<td>5000</td>
</tr>
<tr>
<td>7</td>
<td>Assessment of healing outcome of intention-al replantation as an alternative treatment modality in management of calcified necrotic teeth with periapical lesions: A prospective study.</td>
<td>Dr Rithima Sokhi</td>
<td>MGM trust</td>
<td>5000</td>
</tr>
<tr>
<td>8</td>
<td>A comparative evaluation of the desensitizing effect of 8% arginine and 8% strontium acetate containing toothpastes: An in vivo study</td>
<td>Dr Mohit Bodhwani</td>
<td>MGM trust</td>
<td>5000</td>
</tr>
<tr>
<td>9</td>
<td>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</td>
<td>Dr. Jayeeta Verma</td>
<td>MGM trust</td>
<td>5000</td>
</tr>
</tbody>
</table>

18. Inter-institutional collaborative projects and associated grants received

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.


5. Dr. Jayeeta Verma - 1st prize in paper presentation on the topic – “Back to the back” at 1st Endomeet at Nagpur 26th Feb 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.


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


   - 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

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:

<table>
<thead>
<tr>
<th>Name of the Program (refer to question no. 4)</th>
<th>% of students from the same university/Board</th>
<th>% of students from other universities/Board within the state</th>
<th>% of students from universities/Board outside the state</th>
<th>% of students from other countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS - 2011</td>
<td>91</td>
<td>6</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>BDS – 2012</td>
<td>88</td>
<td>5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>BDS – 2013</td>
<td>91</td>
<td>7</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Percentage against enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011</td>
</tr>
<tr>
<td>UG to PG</td>
<td>18%</td>
</tr>
<tr>
<td>PG to M. Phil, DM/ M Ch/ DNB</td>
<td>-</td>
</tr>
<tr>
<td>PG to Ph. D.</td>
<td>-</td>
</tr>
<tr>
<td>Ph. D. To Post-Doctoral</td>
<td>-</td>
</tr>
<tr>
<td>Employed</td>
<td></td>
</tr>
<tr>
<td>A) Campus selection</td>
<td>-</td>
</tr>
<tr>
<td>B) Other than campus recruitment</td>
<td>100%</td>
</tr>
<tr>
<td>Entrepreneurs</td>
<td>-</td>
</tr>
</tbody>
</table>

36. Diversity of staff: Details as per dental college office records

<table>
<thead>
<tr>
<th>Percentage of faculty who are graduates</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>of the same university</td>
<td>None</td>
</tr>
<tr>
<td>from other universities within the State</td>
<td>54%</td>
</tr>
<tr>
<td>from universities from other States</td>
<td>46%</td>
</tr>
<tr>
<td>from universities outside the country</td>
<td>None</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of the lab</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Pre Clinical Conservative Lab for IIInd Year BDS</td>
<td>01</td>
</tr>
<tr>
<td>2.</td>
<td>Pre Clinical Conservative Lab for PG</td>
<td>01</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>02</td>
</tr>
</tbody>
</table>

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 stakeholders, 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 Pople is working in “Spreading Smiles” In North California.
- Dr. Deesha Majithia is “MAS” Manager at Global Health And Human Services in British, Colambia.
- 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**


**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**


**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

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
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.

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)

<table>
<thead>
<tr>
<th>DCI requirement</th>
<th>Sanctioned</th>
<th>Filled and Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Associate Professor/ Reader</td>
<td>05</td>
<td>05</td>
</tr>
<tr>
<td>Lecturer</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Tutor/ Clinical Instructor</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>11</strong></td>
<td><strong>11</strong></td>
</tr>
</tbody>
</table>

11. Faculty profile with name, qualification, designation, area of specialisation, experience and research under guidance:

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialisation</th>
<th>No. of years of experience</th>
<th>Research under guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Jyotsna S. Galinde</td>
<td>BDS, MDS</td>
<td>Professor and HOD</td>
<td>Oral Surgery</td>
<td>31 yrs 11mths 6</td>
<td></td>
</tr>
<tr>
<td>Dr. Srivalli Natarajan</td>
<td>BDS, MDS</td>
<td>Professor</td>
<td>Oral Surgery</td>
<td>18 yrs 03 mths 6</td>
<td></td>
</tr>
<tr>
<td>Dr. Usha Asnani</td>
<td>BDS, MDS</td>
<td>Professor/ Reader</td>
<td>Oral Surgery</td>
<td>18yrs 07mths -</td>
<td></td>
</tr>
<tr>
<td>Dr. Sunil Sidana</td>
<td>BDS, MDS</td>
<td>Professor/ Reader</td>
<td>Oral Surgery</td>
<td>08yrs 11mths -</td>
<td></td>
</tr>
<tr>
<td>Dr. Imran Khalid</td>
<td>BDS, MDS</td>
<td>Reader</td>
<td>Oral Surgery</td>
<td>08yrs 1mths -</td>
<td></td>
</tr>
<tr>
<td>Dr. Sushrut Vaidya</td>
<td>BDS, MDS</td>
<td>Reader</td>
<td>Oral Surgery</td>
<td>09yrs 02mths -</td>
<td></td>
</tr>
<tr>
<td>Dr. Sagar Vaishampayan</td>
<td>BDS, MDS</td>
<td>Reader</td>
<td>Oral Surgery</td>
<td>05yrs 03mths -</td>
<td></td>
</tr>
<tr>
<td>Dr. Kartik Poonja</td>
<td>BDS, MDS</td>
<td>Lecturer</td>
<td>Oral Surgery</td>
<td>05yrs 04mths -</td>
<td></td>
</tr>
<tr>
<td>Dr. Adil Gandevivala</td>
<td>BDS, MDS</td>
<td>Lecturer/ Tutor</td>
<td>Oral Surgery</td>
<td>02yrs 10mths -</td>
<td></td>
</tr>
<tr>
<td>Dr. Gaurav Deshpande</td>
<td>BDS, MDS</td>
<td>Lecturer</td>
<td>Oral Surgery</td>
<td>01yrs 07mths -</td>
<td></td>
</tr>
<tr>
<td>Dr. Shailesh Kokal</td>
<td>BDS, MDS</td>
<td>Lecturer/ Tutor</td>
<td>Oral Surgery</td>
<td>01yrs 10mths -</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Program</th>
<th>Student Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS</td>
<td>9:1</td>
</tr>
<tr>
<td>PG Diploma</td>
<td>1:1</td>
</tr>
<tr>
<td>MDS</td>
<td>1:1</td>
</tr>
</tbody>
</table>

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

<table>
<thead>
<tr>
<th>Staff</th>
<th>Sanctioned</th>
<th>Filled</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clerk</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>O. T. Assistant</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Ward Boy</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Nurse</td>
<td>03</td>
<td>03</td>
<td>03</td>
</tr>
<tr>
<td>Total</td>
<td>06</td>
<td>06</td>
<td>06</td>
</tr>
</tbody>
</table>

16. Research thrust areas recognised by major funding agencies:
   - Cleft Clip 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

<table>
<thead>
<tr>
<th>Sr.</th>
<th>Title of project</th>
<th>Name of faculty</th>
<th>Funding agency</th>
<th>Grants received</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Incidence of airway compromise in patients with head, face and neck injuries</td>
<td>Dr. Srivalli Natrajian</td>
<td>MGM Trust</td>
<td>Rs. 10,000/-</td>
</tr>
<tr>
<td>2</td>
<td>Incidence of neurosensory deficits following third molar surgeries</td>
<td>Dr. Usha Asnani</td>
<td>MGM Trust</td>
<td>Rs. 10,000/-</td>
</tr>
<tr>
<td>3</td>
<td>A critical evaluation of tooth auto-transplantation</td>
<td>Dr. Sunil Sidana</td>
<td>MGM Trust</td>
<td>Rs. 10,000/-</td>
</tr>
<tr>
<td>4</td>
<td>Comparative evaluation of hemodynamic changes in normotensive and hypertensive</td>
<td>Dr. Srivalli Natrajian</td>
<td>MGM Trust</td>
<td>Rs. 10,000/-</td>
</tr>
<tr>
<td></td>
<td>patients undergoing extraction under 2% lignocaine and 1:2,00,000 adrenaline – a single blind study</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 molar 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 dermbrasion 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:

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cleft lip and palate single intervention</td>
<td>Rs. 18500</td>
</tr>
<tr>
<td>Cleft lip and palate double intervention</td>
<td>Rs. 25000</td>
</tr>
<tr>
<td>Maxillofacial (Orthognathic)</td>
<td>Rs. 31000</td>
</tr>
<tr>
<td>Craniofacial</td>
<td>Rs. 95000</td>
</tr>
</tbody>
</table>

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

* 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:**

1) Prof. Dr. J. N. Khanna

**National:**

1) Dr. J. S. Galinde
2) Dr. Srivalli Natarajan
3) 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 Bholal, 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

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 Gandevivala.
- 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 Gandevivala.

- **Number of Student Delegates:** 100.

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 Bhole, Dr. Rajiv Borle, Dr. Abhay Datarkar, Dr. Srivatsa, Dr. Kiran Gadre, Dr. Ashok Dabir, Dr. Dhirendra 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 Gandevivala, 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 Al-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, Louisiana 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:**

<table>
<thead>
<tr>
<th>Name of the program (refer to question no.4)</th>
<th>% of students from the same university/ Board</th>
<th>% of students from other universities within the state/ Board</th>
<th>% of students from universities outside the state/ Board</th>
<th>% of students from other countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS-2011</td>
<td>91</td>
<td>6</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>BDS-2012</td>
<td>88</td>
<td>4</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>BDS-2013</td>
<td>91</td>
<td>7</td>
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<tr>
<td>BDS-2014</td>
<td>97</td>
<td>1</td>
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</tr>
<tr>
<td>MDS-2011</td>
<td>46</td>
<td>38</td>
<td>15</td>
<td>0</td>
</tr>
<tr>
<td>MDS-2012</td>
<td>81</td>
<td>6</td>
<td>12</td>
<td>0</td>
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<tr>
<td>MDS-2013</td>
<td>62</td>
<td>18</td>
<td>18</td>
<td>0</td>
</tr>
<tr>
<td>MDS-2014</td>
<td>77</td>
<td>11</td>
<td>11</td>
<td>0</td>
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<tr>
<td>MDS-2015</td>
<td>77</td>
<td>11</td>
<td>11</td>
<td>0</td>
</tr>
<tr>
<td>PG Diploma-2011</td>
<td>100</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>PG Diploma-2012</td>
<td>100</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<td>PG Diploma-2013</td>
<td>50</td>
<td>50</td>
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</tr>
<tr>
<td>PG Diploma-2014</td>
<td>100</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

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:**

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Percentage against enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011</td>
</tr>
<tr>
<td>UG to PG</td>
<td>18 %</td>
</tr>
<tr>
<td>PG to M. Phil, DM/ M Ch/ DNB</td>
<td>-</td>
</tr>
<tr>
<td>PG to Ph. D.</td>
<td>-</td>
</tr>
<tr>
<td>Ph. D. To Post-Doctoral</td>
<td>-</td>
</tr>
<tr>
<td>Employed</td>
<td>-</td>
</tr>
<tr>
<td>A) Campus selection</td>
<td>-</td>
</tr>
<tr>
<td>B) Other than campus recruitment</td>
<td>100%</td>
</tr>
<tr>
<td>Entrepreneurs</td>
<td>-</td>
</tr>
</tbody>
</table>
36. Diversity of staff:

<table>
<thead>
<tr>
<th>Percentage of faculty who are graduates</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>of the same university</td>
<td>25%</td>
</tr>
<tr>
<td>from other universities within the state</td>
<td>50%</td>
</tr>
<tr>
<td>from universities from other states</td>
<td>25%</td>
</tr>
<tr>
<td>from universities outside the country</td>
<td>NIL</td>
</tr>
</tbody>
</table>

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, Medical 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


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


External Expert: Dr. Timothy Turvey, Dr. G. E. Ghali, Dr. Melvyn Yeoh, Dr. J. N. Khanna, 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. 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. Dhirendra 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.
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.

**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)**

<table>
<thead>
<tr>
<th></th>
<th>Required by DCI</th>
<th>Sanctioned</th>
<th>Filled and Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Associate Professor/Reader</td>
<td>02</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Lecturer</td>
<td>02</td>
<td>03</td>
<td>03</td>
</tr>
<tr>
<td>Tutor / Clinical Instructor</td>
<td>02</td>
<td>03</td>
<td>03</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>07</strong></td>
<td><strong>09</strong></td>
<td><strong>09</strong></td>
</tr>
</tbody>
</table>
11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance.

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. of Years of Experience</th>
<th>Research under guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Ashvini Padhye</td>
<td>MDS</td>
<td>Prof. and Head</td>
<td>Periodontics</td>
<td>15 yrs, 5mths</td>
<td>18</td>
</tr>
<tr>
<td>Dr. Richard Pereira</td>
<td>MDS</td>
<td>Professor/Reader</td>
<td>Periodontics</td>
<td>12 yrs, 5mths</td>
<td>04</td>
</tr>
<tr>
<td>Dr. Vineet Kini</td>
<td>MDS</td>
<td>Professor/Reader</td>
<td>Periodontics</td>
<td>9 yrs, 9mths</td>
<td>07</td>
</tr>
<tr>
<td>Dr. Sachin Kanagotagi</td>
<td>MDS</td>
<td>Lecturer</td>
<td>Periodontics</td>
<td>5 yrs, 4mths</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Manjeet Mapara</td>
<td>MDS</td>
<td>Lecturer</td>
<td>Periodontics</td>
<td>5 yrs</td>
<td>02</td>
</tr>
<tr>
<td>Dr. Rasika Jagtap</td>
<td>MDS</td>
<td>Lecturer</td>
<td>Periodontics</td>
<td>4 yrs 10mths</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Tushar Pathak</td>
<td>MDS</td>
<td>Lecturer</td>
<td>Periodontics</td>
<td>4 yrs, 2mths</td>
<td>01</td>
</tr>
<tr>
<td>Dr. Himani Gupta</td>
<td>MDS</td>
<td>Lecturer/Tutor</td>
<td>Periodontics</td>
<td>3 yrs, 2 mths</td>
<td>07</td>
</tr>
<tr>
<td>Dr. Sushma Bapatla</td>
<td>MDS</td>
<td>Lecturer/Tutor</td>
<td>Periodontics</td>
<td>10 mths</td>
<td>-</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Programme</th>
<th>Student Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS</td>
<td>9 : 1</td>
</tr>
<tr>
<td>MDS</td>
<td>1 : 1</td>
</tr>
</tbody>
</table>

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

<table>
<thead>
<tr>
<th>Staff</th>
<th>Sanctioned</th>
<th>Filled</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical Staff (Hygienist)</td>
<td>02</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Administrative Staff (Clerk)</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Nurse</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Total</td>
<td>04</td>
<td>04</td>
<td>04</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Sr.</th>
<th>Title of project</th>
<th>Name of faculty</th>
<th>Funding agency</th>
<th>Grants received</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Design and development of manufacturing technology for low cost indigenous dental implants</td>
<td>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 Dr. Sabita Ram Dr. Ashvini Padhye Dr. Mistry (Dept. Of Chemical Engineering, MGM Engineering College)</td>
<td>Govt. Of India Department of atomic energy, Board of Research in Nuclear Sciences. Vide Letter No. 2012/36/13- BRNS</td>
<td>Rs. 24,82,500</td>
</tr>
<tr>
<td>2</td>
<td>Comparative evaluation of surface characteristics of titanium plates treated with dual acid etch technique</td>
<td>Dr. Vineet Kini Dr. Richard Pereira</td>
<td>MGM Trust</td>
<td>Rs. 10,000/-</td>
</tr>
<tr>
<td>3</td>
<td>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</td>
<td>Dr. Vineet Kini Dr. Richard Pereira</td>
<td>MGM Trust</td>
<td>Rs. 10,000/-</td>
</tr>
<tr>
<td>4</td>
<td>Awareness of dentinal hypersensitivity among general practitioners in Mumbai</td>
<td>Dr. Richard Pereira</td>
<td>Nil</td>
<td>-</td>
</tr>
<tr>
<td>5</td>
<td>Prevalence and Pattern of Cervical Dentine Sensitivity in a population of patients at MGM Dental College, Navi Mumbai City</td>
<td>Dr. Richard Pereira</td>
<td>Nil</td>
<td>-</td>
</tr>
</tbody>
</table>
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:
  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:
  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): 7 Articles.
  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

d) Any other (specify)
- Dr. Ashvini Padhye is the mentor for Perio – Prosthodontics 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.

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 :

  Source of Funding : Self Funding
  Outstanding participant : Dr. Suchetan Pradhan
Number of Student Delegates: 100

- Seminar on Implant placement in the esthetic zone on 4th Oct. 2011
  Source of Funding: Self Funding
  Outstanding participant: Dr. Suchetan Pradhan
  Number of Student Delegates: 100

**June 2012 to May 2013:**

- Seminar on Systemic and oral health relationship on 25 June 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 17th 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 to 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 Implantology and Periodontics on 7th 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

<table>
<thead>
<tr>
<th>Name of the Program</th>
<th>% of students from the same university/Board</th>
<th>% of students from other universities/Board within the State</th>
<th>% of students from universities/Board outside the State</th>
<th>% of students from other countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS 2011</td>
<td>91</td>
<td>06</td>
<td>02</td>
<td>01</td>
</tr>
<tr>
<td>BDS 2012</td>
<td>88</td>
<td>04</td>
<td>04</td>
<td>03</td>
</tr>
<tr>
<td>BDS 2013</td>
<td>91</td>
<td>07</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>BDS 2014</td>
<td>97</td>
<td>01</td>
<td>02</td>
<td>00</td>
</tr>
<tr>
<td>MDS 2012</td>
<td>100</td>
<td>00</td>
<td>00</td>
<td>00</td>
</tr>
<tr>
<td>MDS 2013</td>
<td>67</td>
<td>33</td>
<td>00</td>
<td>00</td>
</tr>
<tr>
<td>MDS 2014</td>
<td>100</td>
<td>00</td>
<td>00</td>
<td>00</td>
</tr>
<tr>
<td>MDS 2015</td>
<td>100</td>
<td>00</td>
<td>00</td>
<td>00</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Percentage against enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011</td>
</tr>
<tr>
<td>UG to PG</td>
<td>18%</td>
</tr>
<tr>
<td>PG to M.Phil, DM / M Ch / DNB</td>
<td>-</td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td>-</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>-</td>
</tr>
<tr>
<td>Employed</td>
<td></td>
</tr>
<tr>
<td>Campus selection</td>
<td>-</td>
</tr>
<tr>
<td>Other than campus recruitment</td>
<td>100%</td>
</tr>
<tr>
<td>Entrepreneurs</td>
<td>-</td>
</tr>
</tbody>
</table>

36. Diversity of staff

<table>
<thead>
<tr>
<th>Percentage of faculty who are graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>of the same university</td>
</tr>
<tr>
<td>from other universities within the State</td>
</tr>
<tr>
<td>from universities from other States</td>
</tr>
<tr>
<td>from universities outside the country</td>
</tr>
</tbody>
</table>

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, Medical 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 :**

  **External Expert :** Dr. Suchetan Pradhan.

● Seminar on Implant placement in the esthetic zone on 4th 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 Gradute 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
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.

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. of Years of Experience</th>
<th>Research under guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Girish Karandikar</td>
<td>MDS</td>
<td>Prof. and Head</td>
<td>Orthodontics</td>
<td>25 yrs</td>
<td>9</td>
</tr>
<tr>
<td>Dr. Ravindranath VK</td>
<td>MDS</td>
<td>Professor/Reader</td>
<td>Orthodontics</td>
<td>12 yrs</td>
<td>5</td>
</tr>
<tr>
<td>Dr. Vivek Patni</td>
<td>MDS</td>
<td>Reader</td>
<td>Orthodontics</td>
<td>10 yrs</td>
<td>1</td>
</tr>
<tr>
<td>Dr. Manish Sonawane</td>
<td>MDS</td>
<td>Lecturer</td>
<td>Orthodontics</td>
<td>5 yrs</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Amol Mhatre</td>
<td>MDS</td>
<td>Lecturer</td>
<td>Orthodontics</td>
<td>4 yrs, 10 mths</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Sachin Doshi</td>
<td>MDS</td>
<td>Lecturer/tutor</td>
<td>Orthodontics</td>
<td>4 yrs, 10 months</td>
<td>-</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Program</th>
<th>Student Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG</td>
<td>17:1</td>
</tr>
<tr>
<td>PG</td>
<td>1:1</td>
</tr>
</tbody>
</table>

15. Number of academic support staff (technical) and administrative staff:

<table>
<thead>
<tr>
<th></th>
<th>Sanctioned</th>
<th>Filled</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dental Technician</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Staff Nurse</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Total</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

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
### Inter-institutional collaborative projects and associated grants received

#### a) National Collaboration
- A Comparison Of Surface Conditioning Properties Of Normal And Flavoured Etchants And Its Reswant 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

### Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil

### Research facility
- **State recognition** : yes
- **National recognition** : yes
- **International recognition**: None

### Special research laboratories sponsored by / created by industry or corporate bodies: Nil

### 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 IndexRange/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

  a) National committees: Dr. Girish Karandikar:
  b) International committees: Nil
  c) Editorial Boards: Dr. Ravindranath V K: Member Editorial Committee – Journal of Contemporary Dentistry
  d) 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

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**

<table>
<thead>
<tr>
<th>Name of the Program (refer to question no.4)</th>
<th>% of students from the same university/Board</th>
<th>% of students from other universities/Board within the State</th>
<th>% of students from universities/Board outside the State</th>
<th>% of students from other countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS 2011</td>
<td>91</td>
<td>6</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>BDS 2012</td>
<td>88</td>
<td>4</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>BDS 2013</td>
<td>91</td>
<td>7</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>BDS 2014</td>
<td>97</td>
<td>1</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>MDS 2011</td>
<td>33</td>
<td>33</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>MDS 2012</td>
<td>33</td>
<td>33</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>MDS 2013</td>
<td>33</td>
<td>33</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>MDS 2014</td>
<td>100</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>MDS 2015</td>
<td>66</td>
<td>0</td>
<td>33</td>
<td>0</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Percentage against enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011</td>
</tr>
<tr>
<td>UG to PG</td>
<td>18 %</td>
</tr>
<tr>
<td>PG to M. Phil., DM/ M Ch/ DNB</td>
<td>-</td>
</tr>
<tr>
<td>PG to Ph. D.</td>
<td>-</td>
</tr>
<tr>
<td>Ph. D. To Post-Doctoral</td>
<td>-</td>
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Employed

<table>
<thead>
<tr>
<th></th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>A) Campus selection</td>
<td>-</td>
<td>-</td>
<td>05%</td>
<td>10%</td>
<td>15%</td>
</tr>
<tr>
<td>B) Other than campus recruit</td>
<td>100%</td>
<td>100%</td>
<td>95%</td>
<td>90%</td>
<td>85%</td>
</tr>
<tr>
<td>Entrepreneurs</td>
<td>-</td>
<td></td>
<td></td>
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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 stakeholders, 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 CADCAM system, Lingual centre, electrocautery.
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, Periodontics, 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**

<table>
<thead>
<tr>
<th>Required by DCI</th>
<th>Sanctioned</th>
<th>Filled</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Associate professor/ Reader</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Lecturer</td>
<td>2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Tutor</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Senior resident</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>4</strong></td>
<td><strong>5</strong></td>
<td><strong>5</strong></td>
</tr>
</tbody>
</table>
11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualifications</th>
<th>Designation</th>
<th>Specialization</th>
<th>No of years of experience</th>
<th>Research under guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Shrirang Sevekar</td>
<td>BDS, MDS</td>
<td>Reader</td>
<td>Pedodontics and Preventive Dentistry</td>
<td>8 years 8 months</td>
<td>02</td>
</tr>
<tr>
<td>Dr. Mihir Jha</td>
<td>BDS, MDS</td>
<td>Lecturer</td>
<td>Pedodontics and preventive Dentistry</td>
<td>4 years 1 month</td>
<td>02</td>
</tr>
<tr>
<td>Dr. Poonam Shingare</td>
<td>BDS, MDS</td>
<td>Lecturer</td>
<td>Pedodontics and Preventive Dentistry</td>
<td>4 years</td>
<td>02</td>
</tr>
<tr>
<td>Dr. Laresh Mistry</td>
<td>BDS, MDS</td>
<td>Lecturer</td>
<td>Pedodontics and Preventive Dentistry</td>
<td>1 month</td>
<td>02</td>
</tr>
<tr>
<td>Dr. Sujata H</td>
<td>BDS</td>
<td>Tutor</td>
<td>-</td>
<td>9 years</td>
<td>-</td>
</tr>
</tbody>
</table>

12. List of senior Visiting Fellows, adjunct faculty, emiratus 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

<table>
<thead>
<tr>
<th>Program</th>
<th>Student Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS</td>
<td>9:1</td>
</tr>
</tbody>
</table>

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

<table>
<thead>
<tr>
<th></th>
<th>Sanctioned</th>
<th>Filled</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sister/ Nurse</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Clerk</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Helper</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>4</strong></td>
<td><strong>4</strong></td>
<td><strong>4</strong></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>No.</th>
<th>Name of the project</th>
<th>Name of faculty</th>
<th>Funding Agency</th>
<th>Amount INR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Glass ionomer fissure sealants: Retention over a 4 year period.</td>
<td>Dr. Laresh</td>
<td>MGM Trust</td>
<td>10000</td>
</tr>
<tr>
<td>2</td>
<td>Comparison of inhalational and oral sedation for pediatric dental patients: An in vivo study.</td>
<td>Dr. Shrirang Sevekar</td>
<td>MGM Trust</td>
<td>100000</td>
</tr>
<tr>
<td>3</td>
<td>An assessment of pediatric dental patients treated under general anaesthesia.</td>
<td>Dr. Mihir Jha</td>
<td>MGM Trust</td>
<td>10000</td>
</tr>
<tr>
<td>4</td>
<td>Comparative evaluation of the effect of needle size on pain from dental anaesthesia.</td>
<td>Dr. Shrirang Sevekar</td>
<td>MGM Trust</td>
<td>10000</td>
</tr>
</tbody>
</table>

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

* 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 Despande
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 Shrirang 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. Shrirang 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. Shrirang Sevekar, Dr. Mihir Jha, Dr. Poonam Shingare
Student Delegates: 96

2013-14

Source of funding: Self funded
Faculty: Dr. Adesh K Kakade
Resource Person: Dr. Shrirang 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. Shrirang Sevekar,
Student Delegates: 12

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. 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**

<table>
<thead>
<tr>
<th>Name of the programme</th>
<th>% of students from same universities</th>
<th>% of students from other universities of same state</th>
<th>% of students from other universities of other state</th>
<th>% of students from outside the country</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS</td>
<td>91</td>
<td>6</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>BDS</td>
<td>88</td>
<td>4</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>BDS</td>
<td>91</td>
<td>7</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>BDS</td>
<td>97</td>
<td>1</td>
<td>2</td>
<td>0</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Percentage against enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011</td>
</tr>
<tr>
<td>UG to PG</td>
<td>18</td>
</tr>
<tr>
<td>PG to M.Phil / DM  / M Ch / DNB</td>
<td>None</td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td>None</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>None</td>
</tr>
<tr>
<td>Student progression</td>
<td>Percentage against enrolled</td>
</tr>
<tr>
<td>---------------------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>Employed</td>
<td></td>
</tr>
<tr>
<td>Campus selection</td>
<td>-</td>
</tr>
<tr>
<td>Other than campus recruitment</td>
<td>100%</td>
</tr>
<tr>
<td>Entrepreneurs</td>
<td>None</td>
</tr>
</tbody>
</table>

36. Diversity of staff

<table>
<thead>
<tr>
<th>Percentage faculties who are graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Of the same universities</td>
</tr>
<tr>
<td>From other university within the state</td>
</tr>
<tr>
<td>From other university from other state</td>
</tr>
<tr>
<td>From university outside the country</td>
</tr>
</tbody>
</table>

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 pro-
   gram(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 alumni 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 4th 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.

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 specialties: 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


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)

<table>
<thead>
<tr>
<th></th>
<th>DCI Requirement</th>
<th>Sanctioned</th>
<th>Filled and Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Associate Professor/Reader</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Lecturer</td>
<td>02</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Tutor / Clinical Instructor</td>
<td>02</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Senior Resident</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Total</td>
<td>05</td>
<td>05</td>
<td>05</td>
</tr>
</tbody>
</table>
11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. of Years of Experience</th>
<th>Research under guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr Pradnya Jadhav (Dr Rohini Salvi)</td>
<td>MDS</td>
<td>Professor and Head</td>
<td>Oral Medicine and Radiology</td>
<td>14 years, 2 months</td>
<td>02</td>
</tr>
<tr>
<td>Dr Rohit Gadda</td>
<td>MDS</td>
<td>Lecturer</td>
<td>Oral Medicine and Radiology</td>
<td>5 years, 2 months</td>
<td>01</td>
</tr>
<tr>
<td>Dr Neha Patil</td>
<td>MDS</td>
<td>Lecturer</td>
<td>Oral Medicine and Radiology</td>
<td>3 years, 8 months</td>
<td>01</td>
</tr>
<tr>
<td>Dr Vasant Rathod</td>
<td>BDS</td>
<td>Tutor</td>
<td>-</td>
<td>9 years, 5 months</td>
<td>-</td>
</tr>
<tr>
<td>Dr Varsha Patel</td>
<td>BDS</td>
<td>Tutor</td>
<td>-</td>
<td>9 years, 5 months</td>
<td>-</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Program</th>
<th>Student Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS</td>
<td>17:1</td>
</tr>
</tbody>
</table>

15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual

<table>
<thead>
<tr>
<th>Staff</th>
<th>Sanctioned</th>
<th>Filled</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dental hygienist</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Radiographer</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Clerk</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>06</strong></td>
<td><strong>06</strong></td>
<td><strong>06</strong></td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Title of project</th>
<th>Name of faculty</th>
<th>Funding agency</th>
<th>Grants received</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The Prevalence Of Oral Mucosal Lesions In Patients Visiting Dental Outpatient Department</td>
<td>Dr Rohit Gadda, Dr. Neha Patil, Ankita Pasad</td>
<td>MGM Trust</td>
<td>5000/-</td>
</tr>
<tr>
<td>2</td>
<td>Analysis Of Medical Profile Of Patients Reporting To Dental Outpatient Department</td>
<td>Dr Rohit Gadda, Dr. Neha Patil, Mangal More</td>
<td>MGM Trust</td>
<td>5000/-</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Name of the Program (refer to question no. 4)</th>
<th>% of students from the same university/Board</th>
<th>% of students from other universities/Board within the State</th>
<th>% of students from universities/Board outside the State</th>
<th>% of students from other countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS-2011</td>
<td>91%</td>
<td>6%</td>
<td>2%</td>
<td>1%</td>
</tr>
<tr>
<td>BDS-2012</td>
<td>88%</td>
<td>4%</td>
<td>4%</td>
<td>3%</td>
</tr>
<tr>
<td>BDS-2013</td>
<td>91%</td>
<td>7%</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>BDS-2014</td>
<td>97%</td>
<td>1%</td>
<td>2%</td>
<td>0%</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Percentage against enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011</td>
</tr>
<tr>
<td>UG to PG</td>
<td>18%</td>
</tr>
<tr>
<td>PG to M.Phil, DM / M Ch / DNB</td>
<td>None</td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td>None</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>None</td>
</tr>
<tr>
<td>Employed</td>
<td></td>
</tr>
<tr>
<td>Campus selection</td>
<td>-</td>
</tr>
<tr>
<td>Other than campus recruitment</td>
<td>100%</td>
</tr>
<tr>
<td>Entrepreneurs</td>
<td>None</td>
</tr>
</tbody>
</table>

36. Diversity of staff:

<table>
<thead>
<tr>
<th>Percentage of faculty who are graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>of the same university</td>
</tr>
<tr>
<td>from other universities within the State</td>
</tr>
<tr>
<td>from universities from other States</td>
</tr>
<tr>
<td>from universities outside the country</td>
</tr>
</tbody>
</table>
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 currrriculum.

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, Columbia.

9. Dr. Harish Konar is Manager, Medical 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


2014-2015

- Special Lecture on Tobacco Intervention Initiative on 30th May 2014. Funded by MGM trust. Dental College. External expert: Dr Abhijeet Jadhav


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.
   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)**

<table>
<thead>
<tr>
<th></th>
<th>DCI requirement</th>
<th>Sanctioned</th>
<th>Filled &amp; Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Associate Professor/Reader</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Lecturer</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Tutor / Clinical Instructor</td>
<td>03</td>
<td>03</td>
<td>03</td>
</tr>
<tr>
<td>Senior Resident</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>5</strong></td>
<td><strong>5</strong></td>
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</tr>
</tbody>
</table>
11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance.

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. of Years of Experience</th>
<th>Research under guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Priyanka Machale</td>
<td>M.D.S.</td>
<td>Lecturer and Department In-charge</td>
<td>M.D.S. in Public Health Dentistry</td>
<td>3 years</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Bharat Gupta</td>
<td>M.D.S.</td>
<td>Lecturer/Tutor</td>
<td>M.D.S in Periodontology</td>
<td>2 years and 6 months</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Dr. Sujeet Khiste</td>
<td>M.D.S.</td>
<td>Lecturer</td>
<td>M.D.S in Periodontology</td>
<td>3 years</td>
<td>-</td>
</tr>
<tr>
<td>4</td>
<td>Dr. Vaibhav Thakkar</td>
<td>M.D.S.</td>
<td>Lecturer/Tutor</td>
<td>M.D.S. in Public Health Dentistry</td>
<td>7 months</td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>Dr. Priya Singh</td>
<td>B.D.S., M.B.A</td>
<td>Tutor</td>
<td>M.B.A in Health Care Administration and Hospital Management</td>
<td>9 Years</td>
<td>-</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Program</th>
<th>Student Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS</td>
<td>20:1</td>
</tr>
</tbody>
</table>

15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual

<table>
<thead>
<tr>
<th></th>
<th>Sanctioned</th>
<th>Filled</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dental Hygienist</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Chairside Assistant</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Attender/Peon</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Driver</td>
<td>02</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Bus Helper/Cleaner</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>06</strong></td>
<td><strong>06</strong></td>
<td><strong>06</strong></td>
</tr>
</tbody>
</table>
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/-

<table>
<thead>
<tr>
<th>Sr no</th>
<th>Title of project</th>
<th>Name of faculty</th>
<th>Funding agency</th>
<th>Grants received INR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>“Assessment of Oral health status and prevalence of oral potentially malignant disorders in tribal population at Kashele, Maharashtra, India.”</td>
<td>Dr. Vaibhav Thakkar</td>
<td>MGM Trust</td>
<td>10,000/-</td>
</tr>
<tr>
<td>2</td>
<td>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</td>
<td>Dr. Priyanka Machale</td>
<td>MGM Trust</td>
<td>10,000/-</td>
</tr>
<tr>
<td>3</td>
<td>Prevalence of malocclusion in 6-12 years aged children of Dnyanmandir school Kalamboli.</td>
<td>Dr. Priya Singh</td>
<td>MGM Trust</td>
<td>10,000/-</td>
</tr>
<tr>
<td>4</td>
<td>To evaluate the gingival status of pregnant ladies reporting at Kalamboli MGM Hospital of Woman and Child Health</td>
<td>Dr. Priya Singh</td>
<td>MGM Trust</td>
<td>10,000/-</td>
</tr>
<tr>
<td>5</td>
<td>Oral health awareness, status and treatment needs among police force in Navi Mumbai.</td>
<td>Dr. Sujeet Khiste</td>
<td>MGM Trust</td>
<td>10,000/-</td>
</tr>
</tbody>
</table>

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 Shirdhane 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
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**

<table>
<thead>
<tr>
<th>Name of the Program (refer to question no. 4)</th>
<th>% of students from the same university/Board</th>
<th>% of students from other universities within the State/Board</th>
<th>% of students from universities outside the State/Board</th>
<th>% of students from other countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS 2011</td>
<td>91</td>
<td>6</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>BDS 2012</td>
<td>88</td>
<td>4</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>BDS 2013</td>
<td>91</td>
<td>7</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>BDS 2014</td>
<td>97</td>
<td>1</td>
<td>2</td>
<td>0</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Percentage against enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011</td>
</tr>
<tr>
<td>UG to PG</td>
<td>18</td>
</tr>
<tr>
<td>PG to M.Phil, DM / M Ch / DNB</td>
<td>None</td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td>None</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>None</td>
</tr>
<tr>
<td>Employed</td>
<td>-</td>
</tr>
<tr>
<td>A. Campus selection</td>
<td>%</td>
</tr>
<tr>
<td>B. Other than campus recruitment</td>
<td>100%</td>
</tr>
<tr>
<td>Entrepreneurs</td>
<td>None</td>
</tr>
</tbody>
</table>
36. Diversity of staff

<table>
<thead>
<tr>
<th>Percentage of faculty who are graduates</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>of the same university</td>
<td>20%</td>
</tr>
<tr>
<td>from other universities within the State</td>
<td>20%</td>
</tr>
<tr>
<td>from universities from other States</td>
<td>60%</td>
</tr>
<tr>
<td>from universities outside the country</td>
<td>Nil</td>
</tr>
</tbody>
</table>

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 stakeholders, 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 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 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.
• Swacch 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 enable 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.
5. Subsidized specialist treatment under one roof.

Weaknesses:
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.


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):

<table>
<thead>
<tr>
<th></th>
<th>As per DCI Requirement</th>
<th>Sanctioned</th>
<th>Filled and Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Associate Professors/Readers</td>
<td>02</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Asst. Professors</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Lecturer</td>
<td>01</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Tutor</td>
<td>02</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Senior resident</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Total</td>
<td>06</td>
<td>07</td>
<td>07</td>
</tr>
</tbody>
</table>
11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>Experience (Years)</th>
<th>Research under guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Shilpa Patel</td>
<td>MDS</td>
<td>Professor and Head</td>
<td>Oral Pathology and Microbiology</td>
<td>20 years and 11 months</td>
<td>08</td>
</tr>
<tr>
<td>Dr. Jigna Pathak</td>
<td>MDS</td>
<td>Professor/Associate professor</td>
<td>Oral Pathology and Microbiology</td>
<td>13 years and 01 month</td>
<td>06</td>
</tr>
<tr>
<td>Dr. Kamlesh Dekate</td>
<td>MDS</td>
<td>Reader</td>
<td>Oral Pathology and Microbiology</td>
<td>9 years and 6 months</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Niharika Swain</td>
<td>MDS</td>
<td>Lecturer</td>
<td>Oral Pathology and Microbiology</td>
<td>5 years and 04 months</td>
<td>02</td>
</tr>
<tr>
<td>Dr. Janaki Iyer</td>
<td>MDS</td>
<td>Lecturer</td>
<td>Oral Pathology and Microbiology</td>
<td>03 months</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Yogita Penkar</td>
<td>BDS</td>
<td>Tutor</td>
<td>-</td>
<td>12 years and 01 month</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Nasreen Haque</td>
<td>BDS</td>
<td>Tutor</td>
<td>-</td>
<td>09 years and 3 months</td>
<td>-</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Program</th>
<th>Student Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS</td>
<td>14:1</td>
</tr>
<tr>
<td>MDS</td>
<td>1:1</td>
</tr>
</tbody>
</table>

15. Number of academic support staff (technical) and administrative staff sanctioned, filled and actual

<table>
<thead>
<tr>
<th></th>
<th>Sanctioned</th>
<th>Filled</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Technical staff</td>
<td>02</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Number of Laboratory Assistants</td>
<td>02</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Total</td>
<td>04</td>
<td>04</td>
<td>04</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Title of project</th>
<th>Name of faculty</th>
<th>Funding agency</th>
<th>Grants received</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Institutional analysis of Fibroosseous lesions</td>
<td>Dr. Shilpa Patel</td>
<td>MGM Trust</td>
<td>Rs. 10,000/-</td>
</tr>
<tr>
<td>2</td>
<td>Evaluation of Digital Orthopantomograms of students for assessment of the frequency and nature of Incidental findings - An Institutional Analysis.</td>
<td>Dr. Jigna Pathak</td>
<td>MGM Trust</td>
<td>Rs. 10,000/-</td>
</tr>
<tr>
<td>3</td>
<td>Assessment of DNA damage (micronuclei) in oral exfoliated cells and prevalence of premalignant and malignant lesions among workers of Taloja Industrial area</td>
<td>Dr. Kamlesh Dekate</td>
<td>MGM Trust</td>
<td>Rs. 10,000/-</td>
</tr>
<tr>
<td>4</td>
<td>Immunocharacterisation of tumor budding and its correlation with lymph-node metastasis in oral squamous cell carcinoma - A retrospective study</td>
<td>Dr. Niharika Swain</td>
<td>MGM Trust</td>
<td>Rs. 10,000/-</td>
</tr>
<tr>
<td>5</td>
<td>Evaluation of the micro-structure of the Dentino-enamel junction in deciduous teeth using ground section</td>
<td>Dr. Janaki Iyer</td>
<td>MGM Trust</td>
<td>Rs. 10,000/-</td>
</tr>
</tbody>
</table>

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.


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.

- 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.
      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).

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. Shubhda 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 “Immunohistchemistry 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 com-
petent 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

<table>
<thead>
<tr>
<th>Name of the Program (refer to question no. 4)</th>
<th>% of students from the same university/Board</th>
<th>% of students from other universities/Board within the State</th>
<th>% of students from universities/Board outside the State</th>
<th>% of students from other countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS- 2011</td>
<td>91</td>
<td>6</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>BDS- 2012</td>
<td>88</td>
<td>4</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>BDS- 2013</td>
<td>91</td>
<td>7</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>BDS- 2014</td>
<td>97</td>
<td>1</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>MDS- 2011</td>
<td>100</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>MDS- 2012</td>
<td>67</td>
<td>0</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>MDS- 2013</td>
<td>33</td>
<td>0</td>
<td>67</td>
<td>0</td>
</tr>
<tr>
<td>MDS- 2014</td>
<td>67</td>
<td>0</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>MDS- 2015</td>
<td>100</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

34. How many students have cleared Civil Services and Defense Services ex-
aminations, 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

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Percentage against enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011</td>
</tr>
<tr>
<td>UG to PG</td>
<td>18 %</td>
</tr>
<tr>
<td>PG to M. Phil, DM/ M Ch/ DNB</td>
<td>-</td>
</tr>
<tr>
<td>PG to Ph. D.</td>
<td>-</td>
</tr>
<tr>
<td>Ph. D. To Post-Doctoral</td>
<td>-</td>
</tr>
<tr>
<td>Employed</td>
<td>A) Campus selection</td>
</tr>
<tr>
<td></td>
<td>B)Other than campus recruitment</td>
</tr>
<tr>
<td></td>
<td>Entrepreneurs</td>
</tr>
</tbody>
</table>
36. **Diversity of staff**

<table>
<thead>
<tr>
<th>Percentage of faculty who are graduates</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>of the same university</td>
<td>14%</td>
</tr>
<tr>
<td>from other universities within the State</td>
<td>57%</td>
</tr>
<tr>
<td>from universities from other States</td>
<td>29%</td>
</tr>
<tr>
<td>from universities outside the country</td>
<td>Nil</td>
</tr>
</tbody>
</table>

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 Sayyd 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
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.

   
   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)**

<table>
<thead>
<tr>
<th></th>
<th>Sanctioned as per DCI</th>
<th>Filled</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Associate Professors</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Asst. Professors</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

11. **Faculty profile with name, qualification, designation, area of specialization; experience and research under guidance**

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialisation</th>
<th>No. of Years of Experience</th>
<th>No. of Ph.D. /M.Phil. /MD/MSc students guided for the last 4 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Anjali Sabnis</td>
<td>MS</td>
<td>Professor</td>
<td>Human Anatomy</td>
<td>13 yrs</td>
<td>11</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th></th>
<th>Sanctioned as per MCI</th>
<th>Filled</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technician</td>
<td>02</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Lab Assistant</td>
<td>01</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Lab Attendant</td>
<td>01</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Clerk cum store keeper</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Sweeper</td>
<td>02</td>
<td>02</td>
<td>02</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Tile of ongoing research project(National)</th>
<th>Name of faculty</th>
<th>Grant received</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Comparative study of umbilical cord in normal and Adverse pregnancy outcome patients.</td>
<td>Dr. Mrinalini Gaikwad</td>
<td>NIL</td>
</tr>
<tr>
<td>2</td>
<td>Morphogenesis and Histogenesis of human foetal spleen</td>
<td>Mr. Rajiv Mukhia</td>
<td>NIL</td>
</tr>
<tr>
<td>3</td>
<td>Embryogenesis of human gonads</td>
<td>Dr. Sumi Elizabeth</td>
<td>NIL</td>
</tr>
<tr>
<td>4</td>
<td>Proliferative capacity and functional activity of thyroid progenitor cells in developing human fetuses</td>
<td>Mr. Kishor Patil</td>
<td>NIL</td>
</tr>
<tr>
<td>5</td>
<td>Functional activity and proliferative capacity of retinal progenitors cells in different gestational age fetuses</td>
<td>Mr. Prakash Mane</td>
<td>NIL</td>
</tr>
<tr>
<td>6</td>
<td>Age related changes in human hypothalamus</td>
<td>Dr. Pravin Rathod</td>
<td>NIL</td>
</tr>
<tr>
<td>7</td>
<td>A study of neuronal and glial changes in olfactory pathway with age</td>
<td>Dr. Monali Sonawane</td>
<td>NIL</td>
</tr>
</tbody>
</table>
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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Ongoing No.</th>
<th>%</th>
<th>Completed No.</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.Sc.</td>
<td>1/19</td>
<td>5.3</td>
<td>18/19</td>
<td>94.7</td>
</tr>
<tr>
<td>MD</td>
<td>1/18</td>
<td>5.5</td>
<td>17/18</td>
<td>94.5</td>
</tr>
<tr>
<td>PhD</td>
<td>7/10</td>
<td>70</td>
<td>3/10</td>
<td>30</td>
</tr>
</tbody>
</table>

29. Awards / recognitions received at the national and international level by

- **Dr. Keshaw Kumar** was honored by following awards
  
  i. Vijnana 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**
  i. Dr. Sonali Vidhale: Vice Chancellor Gold Medal 2010
  ii. Dr. Bhavana Junagade: Gold medal in MD Anatomy-2014
  iii. 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**

<table>
<thead>
<tr>
<th>Name of the Programme (refer to question no.4)</th>
<th>% of students from the same university</th>
<th>% of students from other universities within the state</th>
<th>% of students from universities outside the State</th>
<th>% of students from other % countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS-2011</td>
<td>91%</td>
<td>6</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>BDS-2012</td>
<td>88%</td>
<td>4</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>BDS-2013</td>
<td>91%</td>
<td>7</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>BDS-2014</td>
<td>97%</td>
<td>1</td>
<td>2</td>
<td>0</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Percentage against enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011</td>
</tr>
<tr>
<td>UG to PG</td>
<td>18%</td>
</tr>
<tr>
<td>PG to M.Phil.</td>
<td>None</td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td>None</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctor</td>
<td>None</td>
</tr>
<tr>
<td>Employed</td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td></td>
</tr>
<tr>
<td>Campus selection</td>
<td>-</td>
</tr>
<tr>
<td>Other than campus recruitment</td>
<td>100%</td>
</tr>
<tr>
<td>Entrepreneurs</td>
<td>None</td>
</tr>
</tbody>
</table>

36. Diversity of staff

<table>
<thead>
<tr>
<th>Percentage of faculty who are graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>of the same university</td>
</tr>
<tr>
<td>from other universities within the state</td>
</tr>
<tr>
<td>from universities from other states</td>
</tr>
<tr>
<td>from universities outside the country</td>
</tr>
</tbody>
</table>

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)

- **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 shortcoming 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
横向和纵向集成
诱导课程-面向UG和PG的定向

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, BPTh.

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 BPTh)
   • 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)

<table>
<thead>
<tr>
<th></th>
<th>DCI Requirement</th>
<th>Sanctioned</th>
<th>Filled</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Lecturer</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Tutor / Clinical Instructor</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2</td>
</tr>
<tr>
<td>Sr. Resident</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. of Years of Experience</th>
<th>Research under guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. R. S. Inamdar</td>
<td>MD</td>
<td>Professor</td>
<td>Medical Physiology</td>
<td>39 years</td>
<td>MD-12, PhD-1, M.Sc-3</td>
</tr>
<tr>
<td>Dr. M. V. Math</td>
<td>MD</td>
<td>Assoc. Prof.</td>
<td>Medical Physiology</td>
<td>23 Years</td>
<td>M.Sc-4</td>
</tr>
<tr>
<td>Dr. Sanhita Walawalkar</td>
<td>MD</td>
<td>Assoc. Prof.</td>
<td>Medical Physiology</td>
<td>14 Years</td>
<td>M.Sc-3</td>
</tr>
<tr>
<td>Dr. Rita K.</td>
<td>MD</td>
<td>Assoc. Prof.</td>
<td>Medical Physiology</td>
<td>10 Years</td>
<td>M.Sc-1</td>
</tr>
<tr>
<td>Dr. Yashoda K.</td>
<td>MD</td>
<td>Assist. Prof.</td>
<td>Medical Physiology</td>
<td>9 Years</td>
<td>MBBS (STS)-1</td>
</tr>
<tr>
<td>Dr. S. M. Patel</td>
<td>MD</td>
<td>Assist. Prof.</td>
<td>Medical Physiology</td>
<td>20 Years</td>
<td></td>
</tr>
<tr>
<td>Dr. Shanti V.</td>
<td>MD</td>
<td>Assist. Prof.</td>
<td>Medical Physiology</td>
<td>8 Years</td>
<td></td>
</tr>
<tr>
<td>Dr. Prachi P. Patil</td>
<td>MD</td>
<td>Assist. Prof.</td>
<td>Medical Physiology</td>
<td>3 Years</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Name of the Program</th>
<th>Student Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG-MBBS</td>
<td>15:1</td>
</tr>
<tr>
<td>BDS</td>
<td>30:1</td>
</tr>
<tr>
<td>BSc (Paramedical Sciences)</td>
<td>15:1</td>
</tr>
<tr>
<td>PG-MD</td>
<td>1:1</td>
</tr>
<tr>
<td>MSc (Allied Health Sciences)</td>
<td>2:1</td>
</tr>
<tr>
<td>MSc Medical Physiology</td>
<td>1:1</td>
</tr>
<tr>
<td>PhD Medical Physiology</td>
<td>1:1</td>
</tr>
<tr>
<td>MDS</td>
<td>6:1</td>
</tr>
</tbody>
</table>

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

<table>
<thead>
<tr>
<th></th>
<th>Sanctioned</th>
<th>Filled</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technician</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Lab Assistant</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Lab Attendant</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
</tbody>
</table>
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

a. National collaboration: - None
b. International collaboration: - None

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Title of the project</th>
<th>Name of the faculty</th>
<th>Funding agency</th>
<th>Grant received</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Clinical effect of virgin olive oil on dental plaque (Jan–Dec 2014)</td>
<td>Dr. M. V. Math</td>
<td>MGMIHS</td>
<td>Rs. 8000/-</td>
</tr>
<tr>
<td>2</td>
<td>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)</td>
<td>Dr. Yashoda R. Kattimani Ms. Shweta Sharma (1 MBBS Student)</td>
<td>MGMIHS</td>
<td>Rs. 24000/-</td>
</tr>
<tr>
<td>3</td>
<td>Instruments, Chemicals, Regents are provided for all MD, M.Sc. and PhD students for their research work</td>
<td></td>
<td>MGMIHS</td>
<td>Rs.1,16,000 /-</td>
</tr>
</tbody>
</table>

| 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:

- 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

<table>
<thead>
<tr>
<th>Name</th>
<th>BOS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. R. S. Inamdar</td>
<td>Pre Clinical MGMIHS</td>
</tr>
<tr>
<td>Dr. Sanhita Walawalkar</td>
<td>Pre Clinical MGMIHS</td>
</tr>
<tr>
<td>Dr. Yashoda K.</td>
<td>MGM Institute’s University Department of Biomedical Sciences</td>
</tr>
<tr>
<td>Dr. Shanti V.</td>
<td>BPTH MGMIHS</td>
</tr>
</tbody>
</table>

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:
  i. Dr. Prajakta Radke, 2013, JNMC, Wardha, 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:**

<table>
<thead>
<tr>
<th>Name</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Ronal Harden</td>
<td>Professor of Medical Education, Editor of Medical Teacher Journal</td>
</tr>
<tr>
<td>Dr. John Den (Honorary Reader)</td>
<td>Honorary Reader in Orthopaedic Surgery and Medical Education at the University of Dundee, and International Liaison Officer with AMEE</td>
</tr>
<tr>
<td>Dr. Nivritti Patil</td>
<td>Hon. Clinical Professor and Senior Adviser at Centre for Education and Training University of Hongkong</td>
</tr>
<tr>
<td>Dr. Patricia Lilley</td>
<td>Director, AMEE, Managing Editor, Medical Teacher Journal</td>
</tr>
<tr>
<td>Dr. Madalena Maria Patricio</td>
<td>Professor University of Lisbon, Portugal. Past President AMEE and BEME</td>
</tr>
</tbody>
</table>

**National:**

<table>
<thead>
<tr>
<th>Name</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. S. N. kadam</td>
<td>Vice Chancellor, MGMIHS, Navi Mumbai</td>
</tr>
<tr>
<td>Dr. Vedprakash Mishra</td>
<td>Chairman EPSI Medical Committee, Chancellor, KIMSU, Karad</td>
</tr>
<tr>
<td>Dr. Avinash Supe</td>
<td>Professor and Head of Department, Gastro-intestinal surgery, Seth G. S. Medical College, Mumbai. Founder Member and Director, GSMC-FAIMER</td>
</tr>
<tr>
<td>Dr. Shibban K. Kaul</td>
<td>Pro Vice Chancellor, MGMIHS, Ex Director, AFMC, Pune</td>
</tr>
<tr>
<td>Dr. Chander Puri</td>
<td>Pro Vice Chancellor, MGMIHS, Ex Director ICMR and NIRRH</td>
</tr>
<tr>
<td>Dr. Shashikant Ahankari</td>
<td>Founder - Halo Medical Foundation. Member of four Maharashtra state level committees</td>
</tr>
<tr>
<td>Dr. K. R. Salgotra</td>
<td>Medical Superintendent, MGM Hospital, Navi Mumbai. Ex Professor: AFMC Pune. Ex Director and Commandant (CEO): Military Hospital Cardiothoracic Centre (MH CTC) Pune</td>
</tr>
<tr>
<td>Dr. Alaka Deshpande</td>
<td>Professor, Medicine, Grant Medical College and Sir J. J. Hospital, Mumbai</td>
</tr>
<tr>
<td>Dr. Alok Banerjee</td>
<td>Professor and Head, Neurology, MGM Hospital, Navi Mumbai</td>
</tr>
<tr>
<td>Dr. R. S. Inamdar</td>
<td>Ex Dean Grant Medical College and Sir J. J. Hospital, Mumbai</td>
</tr>
<tr>
<td>Dr. Bageshree Seth</td>
<td>Professor, Pediatrics ,MGH Hospital, Navi Mumbai</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Name of the Program (refer to question no. 4)</th>
<th>% of students from the same university</th>
<th>% of students from other universities within the State</th>
<th>% of students from universities outside the State</th>
<th>% of students from other countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS – 2011</td>
<td>91</td>
<td>6</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>BDS – 2012</td>
<td>88</td>
<td>4</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>BDS – 2013</td>
<td>91</td>
<td>7</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>BDS – 2014</td>
<td>97</td>
<td>1</td>
<td>2</td>
<td>0</td>
</tr>
</tbody>
</table>

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:**

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Percentage against enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011</td>
</tr>
<tr>
<td>UG to PG</td>
<td>18 %</td>
</tr>
<tr>
<td>PG to M. Phil / DM / M Ch / DNB</td>
<td>None</td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td>None</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>None</td>
</tr>
<tr>
<td>Employed</td>
<td></td>
</tr>
<tr>
<td>‣ Campus selection</td>
<td>100%</td>
</tr>
<tr>
<td>‣ Other than campus recruitment</td>
<td>-</td>
</tr>
<tr>
<td>Entrepreneurs</td>
<td>None</td>
</tr>
</tbody>
</table>

36. **Diversity of staff:**

<table>
<thead>
<tr>
<th>Percentage of faculty who are graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>of the same university</td>
</tr>
<tr>
<td>from other universities within the State</td>
</tr>
<tr>
<td>from universities from other States</td>
</tr>
<tr>
<td>from universities outside the country</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th></th>
<th>Existing</th>
<th>Newly added</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
</tr>
<tr>
<td>Text Books</td>
<td>104</td>
<td>Nil</td>
<td>104</td>
</tr>
<tr>
<td>Reference Books</td>
<td>384</td>
<td>Nil</td>
<td>384</td>
</tr>
<tr>
<td>e-Books</td>
<td>-</td>
<td>Nil</td>
<td>Nil</td>
</tr>
<tr>
<td>Journals</td>
<td>-</td>
<td>Nil</td>
<td>Nil</td>
</tr>
<tr>
<td>e-Journals</td>
<td>-</td>
<td>Nil</td>
<td>Nil</td>
</tr>
<tr>
<td>Digital Database</td>
<td>-</td>
<td>Nil</td>
<td>Nil</td>
</tr>
<tr>
<td>CD and Video</td>
<td>2</td>
<td>Nil</td>
<td>2</td>
</tr>
<tr>
<td>Others (specify) – Dissertation</td>
<td>10</td>
<td>Nil</td>
<td>10</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Date</th>
<th>Topic</th>
<th>External Expert</th>
<th>Target audience</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>09.01.2012</td>
<td>Free Radicals and Antioxidants in Health and disease (Conf.)</td>
<td>Dr. T. P. A. Devasagayam Dr. Irfan Rahman Dr. Frank Antoniceili Dr. A. N. Suryakar Dr. Young-Joon Surh</td>
<td>Faculty and Students</td>
</tr>
<tr>
<td>Sr. No.</td>
<td>Date</td>
<td>Topic</td>
<td>External Expert</td>
<td>Target audience</td>
</tr>
<tr>
<td>---------</td>
<td>----------------</td>
<td>--------------------------------------------</td>
<td>--------------------------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>2</td>
<td>24.01.2012</td>
<td>Medicine Update 2012 (CME)</td>
<td></td>
<td>Faculty and Students</td>
</tr>
<tr>
<td>3</td>
<td>25.03.2012</td>
<td>Enhancing Productivity of a Doctor (CME)</td>
<td></td>
<td>Faculty and Students</td>
</tr>
<tr>
<td>4</td>
<td>26-29.06.12</td>
<td>Training in Research and Methodology (CME)</td>
<td></td>
<td>Faculty and Students</td>
</tr>
<tr>
<td>5</td>
<td>05.04.2013</td>
<td>Autopsy CME and workshop</td>
<td>Dr. D. N. Lanjewal</td>
<td>Faculty and Students</td>
</tr>
<tr>
<td>6</td>
<td>11-12.10.2013</td>
<td>Diabecon 2013</td>
<td>Dr. V. Mohan, Dr. Sharad Pendsey, Dr. A. K. Das</td>
<td>Faculty and Students</td>
</tr>
<tr>
<td>7</td>
<td>06.01.2015</td>
<td>Workshop on Global Perspective on Medical Education and its relevance to India</td>
<td>Dr. Harden</td>
<td>Faculty and Students</td>
</tr>
<tr>
<td>8</td>
<td>4.9.2015 to 5.9.2015</td>
<td>Sleep Disorders</td>
<td>Dr. Allen Pack</td>
<td>Faculty and Students</td>
</tr>
</tbody>
</table>

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)**

<table>
<thead>
<tr>
<th></th>
<th>Sanctioned As Per DCI</th>
<th>Filled</th>
<th>Actual (including CAS and MPS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>-</td>
<td>-</td>
<td>02</td>
</tr>
<tr>
<td>Associate Professors</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Asst. Professors</td>
<td>01</td>
<td>01</td>
<td>03</td>
</tr>
<tr>
<td>Others</td>
<td>-</td>
<td>-</td>
<td>04</td>
</tr>
</tbody>
</table>
11. Faculty profile with name, qualification, designation, area of specialization; experience and research under guidance

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. of Years of Experience</th>
<th>No. of Ph.D./M.Phil/M.Sc/MD students guided for the last 4 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. A. D. Deepak</td>
<td>MBBS, MD</td>
<td>Professor and Head</td>
<td>Biochemistry</td>
<td>22 yrs</td>
<td>MD-04 MSc. – 08</td>
</tr>
<tr>
<td>Dr. Z. G. Badade</td>
<td>M.Sc, PhD</td>
<td>Professor</td>
<td>Medical Biochemistry</td>
<td>25 yrs</td>
<td>MD -02 Ph.D- 04 M.Sc-11</td>
</tr>
<tr>
<td>Dr. Parineeta Samant</td>
<td>M.Sc, Ph D</td>
<td>Asso. Prof</td>
<td>Medical Biochemistry</td>
<td>21 yrs</td>
<td>Nil</td>
</tr>
<tr>
<td>Dr. Kavita More</td>
<td>M.Sc, Ph D</td>
<td>Asst. Prof</td>
<td>Medical Biochemistry</td>
<td>12 yrs</td>
<td>Nil</td>
</tr>
<tr>
<td>Dr. Santosh Gawali</td>
<td>MBBS, MD</td>
<td>Asst. Prof</td>
<td>Biochemistry</td>
<td>4.5 yrs</td>
<td>Nil</td>
</tr>
<tr>
<td>Dr. Ashwini Jantkar</td>
<td>MBBS, MD</td>
<td>Asst. Prof</td>
<td>Biochemistry</td>
<td>4 yrs</td>
<td>Nil</td>
</tr>
<tr>
<td>Dr. Vinita Singh</td>
<td>MBBS, MD</td>
<td>Asst. Lect</td>
<td>Biochemistry</td>
<td>3 yrs</td>
<td>Nil</td>
</tr>
<tr>
<td>Ms. Sneha Pawar</td>
<td>M.Sc</td>
<td>Asst. Lect</td>
<td>Medical Biochemistry</td>
<td>6 yrs</td>
<td>Nil</td>
</tr>
<tr>
<td>Dr. Sneha Wadalkar</td>
<td>MBBS</td>
<td>Asst. Lect</td>
<td>-</td>
<td>2 yrs</td>
<td>Nil</td>
</tr>
<tr>
<td>Dr. Priyanka Rao</td>
<td>MBBS</td>
<td>Asst. Lect</td>
<td>-</td>
<td>2 yrs</td>
<td>Nil</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Course</th>
<th>Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UG- MBBS, BDS</td>
<td>10:1</td>
</tr>
<tr>
<td>2</td>
<td>PG - MD</td>
<td>2:1</td>
</tr>
<tr>
<td>3</td>
<td>M.Sc</td>
<td>2:1</td>
</tr>
<tr>
<td>4</td>
<td>B.PTh</td>
<td>8:1</td>
</tr>
<tr>
<td>5</td>
<td>B.Sc.</td>
<td>30:1</td>
</tr>
</tbody>
</table>
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

<table>
<thead>
<tr>
<th>Support staff</th>
<th>Sanctioned</th>
<th>Filled</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clerk cum store keeper</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Technician</td>
<td>02</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Lab Assistant</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Sweeper</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
</tbody>
</table>

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

a) National Committees: Yes
b) International committees: Nil
c) Editorial Boards: Dr. Z.G Badade member of Editorial Board MGM journal of medical Science Editor in chief of Bio info publication journal.
d) 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 interdepartmental projects**: M.Sc (Medical Biochemistry), MD, PhD.

<table>
<thead>
<tr>
<th>Course</th>
<th>Ongoing no.</th>
<th>%</th>
<th>Completed no.</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.Sc. from 2007</td>
<td>13/28</td>
<td>46</td>
<td>15/28</td>
<td>54</td>
</tr>
<tr>
<td>MD from 2011</td>
<td>01/06</td>
<td>16.6</td>
<td>05/06</td>
<td>83.4</td>
</tr>
<tr>
<td>Ph. D from 2009</td>
<td>06/09</td>
<td>66.7</td>
<td>03/09</td>
<td>33.3</td>
</tr>
</tbody>
</table>

- **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.


   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.


   Achieved Travel Award for Best Paper in International conference on Emerging Trends in Free Radicals, antioxidants and nutraceuticals 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.


Received 2nd Prize poster presentation Nov 2013 at D.Y. Patil Medical College, Kolhapur.


Received 2nd Prize poster presentation at MGM Medical College, Aurangabad


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

<table>
<thead>
<tr>
<th>Organized by</th>
<th>Organized Seminar / CME Name of Programme / Conf / Workshop</th>
<th>Out Standing Participants and Speakers</th>
</tr>
</thead>
</table>
| Dr. Z. G. Badade   | Technological Challenges in developing Affordable In-Vitro Molecular Diagnosis, funded by MGMIHS on 11th – 14th 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

International Symposium on Advances in BioMedical Sciences on 31st Jan 2014 by MGMIHS

Dr. A. D. Deepak

Workshop on ‘GOODCLINICAL PRACTICES’ ON 26-27th August 2013, funded by MGMIHS, Emprocell and J.P Brothers

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

<table>
<thead>
<tr>
<th>Name of the Program (refer to question no. 4)</th>
<th>% of students from the same university</th>
<th>% of students from other universities within the State</th>
<th>% of students from universities outside the State</th>
<th>% of students from other countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Details available with the Dental College</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Percentage against enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011</td>
</tr>
<tr>
<td>UG to PG</td>
<td></td>
</tr>
<tr>
<td>PG to M.Phil / DM / M.Ch / DNB</td>
<td>none</td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td>none</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>none</td>
</tr>
<tr>
<td>Employed</td>
<td></td>
</tr>
<tr>
<td>· Campus selection</td>
<td></td>
</tr>
<tr>
<td>· Other than campus recruitment</td>
<td></td>
</tr>
<tr>
<td>Entrepreneurs</td>
<td>none</td>
</tr>
</tbody>
</table>

36. Diversity of staff

<table>
<thead>
<tr>
<th>Percentage of faculty who are graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>of the same university</td>
</tr>
<tr>
<td>from other universities within the state</td>
</tr>
<tr>
<td>from universities from other states</td>
</tr>
<tr>
<td>from universities outside the country</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>BOOKS</th>
<th>759</th>
</tr>
</thead>
<tbody>
<tr>
<td>Departmental Library</td>
<td>154</td>
</tr>
<tr>
<td>Thesis</td>
<td>20</td>
</tr>
<tr>
<td>JOURNALS FOR 2014</td>
<td>05</td>
</tr>
<tr>
<td>A) NATIONAL</td>
<td>03</td>
</tr>
<tr>
<td>B) INTERNATIONAL</td>
<td>02</td>
</tr>
</tbody>
</table>
   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 (maximum 10):

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr Santosh Gawali</td>
<td>Lecturer</td>
<td>MGM Medical College .Navi Mumbai</td>
</tr>
<tr>
<td>Dr. Vinita Singh</td>
<td>Lecturer</td>
<td>MGM Medical College .Navi Mumbai</td>
</tr>
<tr>
<td>Dr. Parineeta Samant</td>
<td>Associate Professor</td>
<td>MGM Medical College .Navi Mumbai</td>
</tr>
</tbody>
</table>
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Programme</th>
<th>Date</th>
<th>Venue/Place</th>
<th>Target Audience</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Workshop on Research methodology</td>
<td>27th-30th June 2011</td>
<td>MGM Medical College, Navi-Mumbai</td>
<td>PG</td>
</tr>
<tr>
<td>2</td>
<td>International Conference on Free radical and antioxidants in Health and disease</td>
<td>Jan 2012</td>
<td>MGM Medical College, Navi-Mumbai</td>
<td>UG And PG</td>
</tr>
<tr>
<td>3</td>
<td>Technological Challenges in developing Affordable In-Vitro Molecular Diagnosis</td>
<td>11th – 14th March 2012</td>
<td>MGM Medical College, Navi-Mumbai</td>
<td>UG And PG</td>
</tr>
<tr>
<td>4</td>
<td>Workshop on Research methodology</td>
<td>May 2012</td>
<td>MGM Medical College, Navi-Mumbai</td>
<td>PG</td>
</tr>
<tr>
<td>5</td>
<td>Workshop on ‘GOOD-CLINICAL PRACTICES’</td>
<td>26-27th August 2013,</td>
<td>MGM Medical College, Navi-Mumbai</td>
<td>UG And PG</td>
</tr>
<tr>
<td>6</td>
<td>Workshop: Latest trends in haemoglobinopathies</td>
<td>4th jan 2014</td>
<td>GMC, Mumbai</td>
<td>UG And PG</td>
</tr>
<tr>
<td>7</td>
<td>International Symposium on Advances in BioMedical Sciences</td>
<td>31st Jan 2014</td>
<td>MGM Medical College, Navi-Mumbai</td>
<td>UG And PG</td>
</tr>
<tr>
<td>8</td>
<td>PIACON-2015</td>
<td>25-27 Sept.2015</td>
<td>MGM Medical College, Navi-Mumbai</td>
<td>UG And PG</td>
</tr>
</tbody>
</table>

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 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 neutraceuticals.
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)**

<table>
<thead>
<tr>
<th></th>
<th>D.C.I Req</th>
<th>Sanctioned</th>
<th>Filled</th>
<th>Actual (including CAS and MPS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>-</td>
<td>-</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Associate Professors</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Asst. Professors</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Others(tutors)</td>
<td>-</td>
<td>-</td>
<td>11</td>
<td>11</td>
</tr>
</tbody>
</table>
11. Faculty profile with name, qualification, designation, area of specialization; experience and research under guidance

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. of Years of Exp</th>
<th>No. of Ph.D./M.Sc. guided for the last 4 years (on going)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Y.A Deshmukh</td>
<td>MBBS, MD</td>
<td>H.O.D Professor</td>
<td>Pharmacology</td>
<td>40 years</td>
<td>4</td>
</tr>
<tr>
<td>Dr. Savita. Shahani</td>
<td>MBBS, MD</td>
<td>Professor</td>
<td>Pharmacology</td>
<td>35 Years</td>
<td></td>
</tr>
<tr>
<td>Dr. Ipseeta Ray</td>
<td>MSc, PhD</td>
<td>Professor</td>
<td>Pharmacology</td>
<td>14 years</td>
<td>2</td>
</tr>
<tr>
<td>Dr. Harish Lalan</td>
<td>MBBS, MD</td>
<td>Associate Professor</td>
<td>Pharmacology</td>
<td>8 years</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Pradeep Jadhav</td>
<td>MBBS, MD</td>
<td>Assistant Professor</td>
<td>Pharmacology</td>
<td>8 years</td>
<td>-</td>
</tr>
<tr>
<td>Mrs. Savitri Katlam</td>
<td>MSc</td>
<td>Assistant Professor</td>
<td>Pharmacology</td>
<td>9 years</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Snigdha Senapaty</td>
<td>MBBS, MD</td>
<td>Assistant Professor</td>
<td>Pharmacology</td>
<td>2 years 9 months</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Baliram Ghodke</td>
<td>MBBS, MD</td>
<td>Assistant Professor</td>
<td>Pharmacology</td>
<td>2 years 5 months</td>
<td>-</td>
</tr>
<tr>
<td>Ms. Savitri Katlam</td>
<td>Lecturer</td>
<td>M.Sc. (Med Pharma)</td>
<td>Pharmacology</td>
<td>10 yrs</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Priya Ann Sam</td>
<td>Tutor</td>
<td>MBBS</td>
<td>-</td>
<td>2 years 7 months</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Urmila Salve</td>
<td>Tutor</td>
<td>MBBS</td>
<td>-</td>
<td>2 years 7 months</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Ashwini Satpati</td>
<td>Tutor</td>
<td>MBBS</td>
<td>-</td>
<td>2 years 7 months</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Kishor Khotkar</td>
<td>Tutor</td>
<td>MBBS</td>
<td>-</td>
<td>1 year 7 months</td>
<td>-</td>
</tr>
<tr>
<td>Dr.Arun.Patil</td>
<td>Tutor</td>
<td>MBBS</td>
<td>-</td>
<td>1 year 7 months</td>
<td>-</td>
</tr>
<tr>
<td>Dr.S.Kolte</td>
<td>Tutor</td>
<td>MBBS</td>
<td>-</td>
<td>1 year 7 months</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Ashustosh Kakade</td>
<td>Tutor</td>
<td>MBBS</td>
<td>-</td>
<td>1 year 7 months</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Vivek Bamel</td>
<td>Tutor</td>
<td>MBBS</td>
<td>-</td>
<td>7 months</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Kedar C</td>
<td>Tutor</td>
<td>MBBS</td>
<td>-</td>
<td>7 months</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Pooja Deb</td>
<td>Tutor</td>
<td>MBBS</td>
<td>-</td>
<td>7 months</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Amit Patel</td>
<td>Tutor</td>
<td>MBBS</td>
<td>-</td>
<td>7 months</td>
<td>-</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Program</th>
<th>Student Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBBS</td>
<td>15:1</td>
</tr>
<tr>
<td>MD</td>
<td>2:1</td>
</tr>
<tr>
<td>BDS</td>
<td>25:1</td>
</tr>
</tbody>
</table>

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

<table>
<thead>
<tr>
<th></th>
<th>Sanctioned</th>
<th>Filled</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Veterinary surgeon</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Technicians</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Lab assistant</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Animal house attendant</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>House keeping</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Clerk</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

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

a. National - 1
b. International funding agencies and
c. Total grants sanctioned = 16 Lacs

Give the names of the funding agencies, project title and grants received project-wise.

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Title of Project</th>
<th>Name of Faculty</th>
<th>Funding Agency</th>
<th>Grant Received</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Development of nature alternatives to synthesis of DPPIV Inhibitors for diabetes with metabolic syndromes</td>
<td>Dr. Ipseeta Ray</td>
<td>ICMR (N0 58/2/2014-BMS)</td>
<td>16 Lacs (Sanctioned)</td>
</tr>
</tbody>
</table>
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:**

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Title of Project</th>
<th>Funding Agency</th>
<th>Amount Received / Sanctioned in INR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>‘Studies on the Cardioprotective potential of Medicinal plants and their molecular mechanisms of action’. Research Project Completed (2006 – 2009)</td>
<td>DST Grant No: (SR/FT/L-124/2005)</td>
<td>6,72,000/-</td>
</tr>
<tr>
<td>2</td>
<td>Developing Natural Alternatives to Synthetic Dipeptidyl peptidase-4 Inhibitors for Diabetes with Metabolic Syndrome for the period of March 15 to Feb 18</td>
<td>(ICMR No-2013-2695) for the period of March</td>
<td>16,00,000/- sanctioned</td>
</tr>
<tr>
<td>3</td>
<td>Impact of structured counseling on choice of Contraceptive method among post-partum women</td>
<td>ICMR(Reference ID - 2014-00084). ICMR (STS Project) for the academic year 2014-2015</td>
<td>10,000/-</td>
</tr>
<tr>
<td>4</td>
<td>Acceptance of Contraceptive method among post-partum women</td>
<td>ICMR(Reference ID-.No.21/1/2015 - BMS-STS). ICMR (STS Project) for the academic year 2015-2016</td>
<td>10,000/-</td>
</tr>
</tbody>
</table>

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.
- **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:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Projects</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.Sc. from 2007</td>
<td>5/7</td>
<td>72</td>
</tr>
<tr>
<td>MD from 2011</td>
<td>13/16</td>
<td>81</td>
</tr>
<tr>
<td>Ph. D from 2009</td>
<td>05/6</td>
<td>83</td>
</tr>
</tbody>
</table>

- **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)

<table>
<thead>
<tr>
<th>Sr.No.</th>
<th>Programme</th>
<th>Date</th>
<th>Venue/Place</th>
<th>Target Audience</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Workshop on ‘GOOD-CLINICAL PRACTICES’</td>
<td>26-27th August 2013, MGM Medical College, Navi-Mumbai</td>
<td>UG And PG</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Name of the programme (refer to question no.4)</th>
<th>% of students from the same university</th>
<th>% of students from other universities within the state</th>
<th>% of students from universities outside the State</th>
<th>% of students from other countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBBS-M.D</td>
<td>30%</td>
<td>50%</td>
<td>20%</td>
<td>-</td>
</tr>
<tr>
<td>M.Sc</td>
<td>-</td>
<td>90%</td>
<td>10%</td>
<td>-</td>
</tr>
<tr>
<td>Ph.D</td>
<td>100%</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>BDS- MDS</td>
<td>Records available with Dental College</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Percentage against enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011</td>
</tr>
<tr>
<td>UG to PG</td>
<td>0 %</td>
</tr>
<tr>
<td>PG to M.Phil / DM / M Ch / DNB</td>
<td>none</td>
</tr>
</tbody>
</table>
### 36. Diversity of staff

<table>
<thead>
<tr>
<th>Percentage of faculty who are graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>of the same university</td>
</tr>
<tr>
<td>from other universities within the state</td>
</tr>
<tr>
<td>from universities from other states</td>
</tr>
<tr>
<td>from universities outside the country</td>
</tr>
</tbody>
</table>

### 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

<table>
<thead>
<tr>
<th>Departmental Library</th>
<th>239</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thesis</td>
<td>22</td>
</tr>
<tr>
<td>CDs</td>
<td>16</td>
</tr>
<tr>
<td>Online Journals</td>
<td>45</td>
</tr>
<tr>
<td>JOURNALS FOR 2014</td>
<td>07</td>
</tr>
<tr>
<td>A) NATIONAL</td>
<td>03</td>
</tr>
<tr>
<td>B) INTERNATIONAL</td>
<td>04</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Name</th>
<th>Topic</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Chetan S Javsen</td>
<td>To study topical corticosteroids induced hypertension in lab.animals and in humans</td>
<td>On Going</td>
</tr>
<tr>
<td>2</td>
<td>Savitri Katlam</td>
<td>Effect of Gatifloxacin, Doxycycline, Artesunate on neuro-muscular junction</td>
<td>On Going</td>
</tr>
</tbody>
</table>
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 inhibi- tor 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

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Name</th>
<th>Topic</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Gurudutt</td>
<td>Anti cancer effects of Papaya leaf extract on induced breast cancer in rats</td>
<td>On Going</td>
</tr>
</tbody>
</table>

40. Number of post graduate students getting financial assistance from the university:

PhD: 2

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Name</th>
<th>Topic</th>
<th>Financial Assistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Rajesh Suman</td>
<td>Developing Natural alternative to Synthetle DPP-4 inhibitor for Diabetes with metabolic syndrome</td>
<td>Rs.50,000/-</td>
</tr>
<tr>
<td>2</td>
<td>Manjusha Borde</td>
<td>Development of natural DPP-4 inhibitor with cardioprotective potential in experimental diabetes</td>
<td>Rs. 45,000/-</td>
</tr>
</tbody>
</table>

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 (maximum10):

<table>
<thead>
<tr>
<th>SNo.</th>
<th>Name</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Rahul Chavan</td>
<td>Emerck Pharmaceutical Ltd</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Hitesh Muley</td>
<td>Watson Clinical research Organization</td>
</tr>
<tr>
<td>3</td>
<td>Dr. Baliram Ghodke</td>
<td>MGM Medical College .Navi Mumbai</td>
</tr>
<tr>
<td>4</td>
<td>Dr. Santosh Kale</td>
<td>KJ Somaiya Medical College</td>
</tr>
<tr>
<td>5</td>
<td>Dr. Prasad Deshmukh</td>
<td>LTMMG Medical College</td>
</tr>
<tr>
<td>6</td>
<td>Dr. Urwashi Parmar</td>
<td>Seth GS Medical College</td>
</tr>
<tr>
<td>7</td>
<td>Dr. Rohita Shetty</td>
<td>Abbott Pharmaceutical Ltd</td>
</tr>
<tr>
<td>8</td>
<td>Dr. Sameer Choudhary</td>
<td>Abbott Pharmaceutical Ltd</td>
</tr>
<tr>
<td>9</td>
<td>Dr. Darshana Dighe</td>
<td>Elsevier Pvt Ltd</td>
</tr>
<tr>
<td>10</td>
<td>Dr. Yogesh Garje</td>
<td>Sun Pharmaceutical Ltd</td>
</tr>
<tr>
<td></td>
<td>Dr. Abhay Wagh</td>
<td>Fortis Hospital</td>
</tr>
<tr>
<td></td>
<td>Dr. Shreyas Lathi</td>
<td>Pfizer Pharmaceutical Ltd</td>
</tr>
</tbody>
</table>

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

<table>
<thead>
<tr>
<th>Sr.No.</th>
<th>Programme</th>
<th>Date / Year</th>
<th>Venue / Place</th>
<th>Target Audience</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Workshop on 'GOODCLINICAL PRACTICES’</td>
<td>26-27th August 2013</td>
<td>MGM Medical College, Navi - Mumbai</td>
<td>UG, PG and Faculty</td>
</tr>
<tr>
<td>2</td>
<td>Pharmaco-vigilance programme by Abbott Pharma</td>
<td>30th April 2012</td>
<td>MGM Medical College, Navi - Mumbai</td>
<td>UG, PG and Faculty</td>
</tr>
<tr>
<td>3</td>
<td>UG Symposium: Osteoarthritis Management</td>
<td>27th March 2012</td>
<td>MGM Medical College, Navi - Mumbai</td>
<td>UG</td>
</tr>
<tr>
<td>4</td>
<td>UG Symposium: Depression and Drugs</td>
<td>27th August 2012</td>
<td>MGM Medical College, Navi - Mumbai</td>
<td>UG</td>
</tr>
<tr>
<td>5</td>
<td>UG Symposium: COPD and Rational Pharmacotherapeutics</td>
<td>17th August 2012</td>
<td>MGM Medical College, Navi - Mumbai</td>
<td>UG</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Contributions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardioprotective effects of Baccopa Monniera (DST), Curcuma Longa, Tribulus Teresstris</td>
</tr>
<tr>
<td>Anti cancer effects of Papaya leaf extract on induced breast cancer in rats</td>
</tr>
<tr>
<td>Coagulants effects of Tridax Procumbens</td>
</tr>
<tr>
<td>Antimony levels in packaged drinking water (ongoing)</td>
</tr>
<tr>
<td>Pharmaco-vigilance activities to report existing and new Adverse drug reactions</td>
</tr>
</tbody>
</table>

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


5. **Interdisciplinary programs and departments involved**: Yes
   - **UG**: Microbiology, pediatrics, medicine, gynecology, 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)**:

<table>
<thead>
<tr>
<th></th>
<th>DCI Requirement</th>
<th>Sanctioned</th>
<th>Filled</th>
<th>Actual (including CAS and MPS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>---</td>
<td>1</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Associate Professor/Reader</td>
<td>1</td>
<td>1</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>---</td>
<td>---</td>
<td>----</td>
<td>---</td>
</tr>
<tr>
<td>Lecturer</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Tutor / Clinical Instructor</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>18</td>
</tr>
<tr>
<td>Senior Resident</td>
<td>----</td>
<td>---</td>
<td>----</td>
<td>---</td>
</tr>
</tbody>
</table>

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**
<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>Experience in Years</th>
<th>(Research Under Guidance) No. of MD/ DNB/Students guided for the last 4 yrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Reeta Dhar</td>
<td>MBBS, MD</td>
<td>Professor and Head (Pathology)</td>
<td>Pathology</td>
<td>24</td>
<td>5(MD) completed + 4 ((MD) Ongoing)</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Borkar D.B.</td>
<td>MBBS, MD</td>
<td>Professor</td>
<td>Pathology</td>
<td>31</td>
<td>5(MD) completed + 4 ((MD) Ongoing)</td>
</tr>
<tr>
<td>3</td>
<td>Dr. Shilpi Sahu</td>
<td>MBBS, MD</td>
<td>Asso. Professor</td>
<td>Pathology</td>
<td>10</td>
<td>2(MD) completed + 3 ((MD) Ongoing)</td>
</tr>
<tr>
<td>4</td>
<td>Dr. Manisha Tambekar</td>
<td>MBBS, MD</td>
<td>Asso. Professor</td>
<td>Pathology</td>
<td>10</td>
<td>2(MD) completed + 3 ((MD) Ongoing)</td>
</tr>
<tr>
<td>5</td>
<td>Dr. Hoogar M</td>
<td>MBBS, MD</td>
<td>Asso. Professor</td>
<td>Pathology</td>
<td>8</td>
<td>---</td>
</tr>
<tr>
<td>6</td>
<td>Dr. Prabhakar Patro</td>
<td>MBBS, MD</td>
<td>Asso. Professor</td>
<td>Pathology</td>
<td>8</td>
<td>---</td>
</tr>
<tr>
<td>7</td>
<td>Dr. Atul Jain</td>
<td>MBBS, MD</td>
<td>Assistant Professor</td>
<td>Pathology</td>
<td>5</td>
<td>---</td>
</tr>
<tr>
<td>8</td>
<td>Dr. Trupti Shetty</td>
<td>MBBS, MD</td>
<td>Assistant Professor</td>
<td>Pathology</td>
<td>4</td>
<td>---</td>
</tr>
<tr>
<td>9</td>
<td>Dr. Priyanka Jadhav</td>
<td>MBBS, MD</td>
<td>Assistant Professor</td>
<td>Pathology</td>
<td>4</td>
<td>---</td>
</tr>
</tbody>
</table>

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**:

<table>
<thead>
<tr>
<th>Programme</th>
<th>Student : Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBBS</td>
<td>5:1</td>
</tr>
<tr>
<td>MD</td>
<td>1:1</td>
</tr>
<tr>
<td>BDS</td>
<td>10:1</td>
</tr>
<tr>
<td>B.Sc.</td>
<td>10:1</td>
</tr>
<tr>
<td>Physiotherapy</td>
<td>10:1</td>
</tr>
</tbody>
</table>
15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

<table>
<thead>
<tr>
<th></th>
<th>Sanctioned</th>
<th>Filled</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laboratory Technicians</td>
<td>23</td>
<td>23</td>
<td>23</td>
</tr>
<tr>
<td>Store Keeper</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Book Keeper</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Clerk</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Sweeper</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

16. Research thrust areas as recognized by major funding agencies:
- Breast cancer – identified as thrust area by ICMR, cancer registry.
- Thalassemia 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:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Title of Project</th>
<th>Name of Faculty</th>
<th>Funding Agencies</th>
<th>Grant Received in INR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Proliferation marker Ki-67 in Breast Cancer and its Premalignant Lesions.</td>
<td>Dr. Shilpi Sahu, Dr. Mariyam</td>
<td>ICMR</td>
<td>10,000/-</td>
</tr>
<tr>
<td>2</td>
<td>Neonatal screening for Thyroid Evaluation, G6 PD and 17 OHP.</td>
<td>Dr. Reeta Dhar, Dr. Rupinder</td>
<td>ICMR</td>
<td>10,000/-</td>
</tr>
<tr>
<td>3</td>
<td>Clinicopathological spectrum of vescicobullous lesions using direct immunoflourescence.</td>
<td>Dr. Kuldeep Singh, Dr. Reeta Dhar</td>
<td>MGMIHS</td>
<td>In the form of infrastructure, equipment and chemicals. (Immunoflourescent Microscope installation in the Central Laboratory of Pathology)</td>
</tr>
</tbody>
</table>

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
<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Title of the Project</th>
<th>Funding Agencies</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Proliferation marker Ki-67 in Breast Cancer and its Premalignant Lesions – Dr. Shilpi Sahu.</td>
<td>ICMR</td>
<td>Rs. 10,000/-</td>
</tr>
<tr>
<td>2</td>
<td>Neonatal screening for Thyroid Evaluation, G6 PD and 17 OHP – Dr. Reeta Dhar.</td>
<td>ICMR</td>
<td>Rs. 10,000/-</td>
</tr>
<tr>
<td>3</td>
<td>Conventional Pap Smear and Manual Liquid Based Cytology in Primary Screening for Cervical Cancer : A Comparative Study. - DR ABHINA V, DR. U. MAHESHWARI</td>
<td>MGMI-HS</td>
<td>Grant received in the form of infrastructure, equipments and Chemicals</td>
</tr>
<tr>
<td>4</td>
<td>Clinicopathological Spectrum of Vesiculobullous skin lesion with special reference to direct immunofluorocence microscopy - DR KULDEEP, DR REETA DHAR</td>
<td>MGMI-HS</td>
<td>Grant received in the form of infrastructure, equipments and Chemicals</td>
</tr>
<tr>
<td>5</td>
<td>Demonstration of Iron in Exfoliated Buccal cells of Beta Thalassemia Major Patients. DR PUJA, DR U.MAHEHSHARI</td>
<td>MGMI-HS</td>
<td>Grant received in the form of infrastructure, equipments and Chemicals</td>
</tr>
<tr>
<td>6</td>
<td>Lab Diagnosis and Haematological Changes in Malaria. DR KAMAKSHI, DR. BORKAR</td>
<td>MGMI-HS</td>
<td>Grant received in the form of infrastructure, equipments and Chemicals</td>
</tr>
<tr>
<td>7</td>
<td>Clinico-hematological analysis of Pancytopenia in adults: A two year prospective study. DR REENAL, DR MANISHA TAMBEKAR</td>
<td>MGMI-HS</td>
<td>Grant received in the form of infrastructure, equipments and Chemicals</td>
</tr>
<tr>
<td>8</td>
<td>Histopathological study of Granulomatous inflammation, A study of 100 cases. DR HARSHPREET, DR SHILPI SAHU</td>
<td>MGMI-HS</td>
<td>Grant received in the form of infrastructure, equipments and Chemicals</td>
</tr>
<tr>
<td>9</td>
<td>Diagnostic Evaluation of Urinary Sediment in Renal and Non Renal Pathology. DR SHONIT, Dr. Reeta Dhar</td>
<td>MGMI-HS</td>
<td>Grant received in the form of infrastructure, equipments and Chemicals</td>
</tr>
</tbody>
</table>
10. Pregnancy associated Thrombocytopenia. DR SANCHARI, Dr. Borkar

11. Fine Needle Aspiration cytology of Follicular – patterned thyroid lesions. DR AKSHAY, Dr. Manisha

12. Utility of Mucin Stains in Gastro Intestinal Diseases. DR AJAY, Dr. Shilpi

13. Clinicobiochemical correlation and cytological study of pleural and peritoneal fluids, DR. POOJA, Dr. Reeta Dhar

14. Clinico - pathological study of ovarian tumor. DR ABEER, Dr. Borkar

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

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Name of the faculty</th>
<th>Name of the Conference</th>
<th>Organized by</th>
<th>Venue</th>
<th>Dates</th>
<th>Your Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Abhinav Walia</td>
<td>Poster Presentation: Significance of Histopathology in Leprosy</td>
<td>OMICS 4th International Conference: Pathology-2015: Young Researchers Forum</td>
<td>New Orleans, USA</td>
<td>13.07.2015 to 15.07.2015</td>
<td>BEST POSTER AWARD (1st prize)</td>
</tr>
</tbody>
</table>

Students

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Name of the Students</th>
<th>Name of the Conference</th>
<th>Organized by</th>
<th>Venue</th>
<th>Dates</th>
<th>Your Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Bhushan Wad</td>
<td>Waghabhatt Memorial Competitive Theory and Practical Exam for MBBS Students of Mumbai</td>
<td>Seth GS Medical College and Nair Medical College, Mumbai</td>
<td>Seth GS Medical College and Nair Medical College, Mumbai</td>
<td>Apr-14</td>
<td>Participation 2nd Prize,</td>
</tr>
<tr>
<td>2</td>
<td>Soham Ranade, Juilee Mhatre, Ajay Doshi, Aswini Patankar</td>
<td>Quiz Competition Integrated Quiz (Inter collegiate fest for the Under Graduates “The Virchow”)</td>
<td>18th D Y Patil School of Medicine, CME and Workshop</td>
<td>D Y Patil University, School of Medicine</td>
<td>26.02.2015-27.02.2015</td>
<td>Participation (3rd Place)</td>
</tr>
<tr>
<td>3</td>
<td>Shweta Sharma, Afreen Shamsuddin, Siddharth Allahboda,</td>
<td>Poster Presentation (Inter collegiate fest for the Under Graduates “The Virchow”)</td>
<td>18th D Y Patil School of Medicine, CME and Workshop</td>
<td>D Y Patil University, School of Medicine</td>
<td>26.02.2015-27.02.2015</td>
<td>Participation (2nd Place - Shweta Sharma)</td>
</tr>
<tr>
<td>Year</td>
<td>Name of the Seminar / Conference/Workshop Organised</td>
<td>Faculty Resources Persons (Organising Committee)</td>
<td>Funding Agencies</td>
<td>No. of Delegates attended</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>-----------------------------------------------------</td>
<td>--------------------------------------------------</td>
<td>------------------</td>
<td>--------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2013-2014</td>
<td>Autopsy CME and Workshop</td>
<td>Dr. Reeta Dhar, Dr. D B Borkar, Dr. Shilpi Sahu, Dr. Manisha Tambekar</td>
<td>MGIHS</td>
<td>215</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2015-2016</td>
<td>Flow Cytometer Workshop</td>
<td>Dr. Reeta Dhar, Dr. D B Borkar, Dr. U. Maheshwari, Dr. Atul Jain</td>
<td>Backman Dickson</td>
<td>55</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any: 02

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:

<table>
<thead>
<tr>
<th>Name of the Program</th>
<th>% of students from the same university</th>
<th>% of students from other universities within the State</th>
<th>% of students from universities outside the State</th>
<th>% of students from other countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>UnderGraduate(MBBS)</td>
<td>---</td>
<td>60%</td>
<td>39%</td>
<td>1%</td>
</tr>
<tr>
<td>Name of the Program</td>
<td>% of students from the same university</td>
<td>% of students from other universities within the State</td>
<td>% of students from universities outside the State</td>
<td>% of students from other countries</td>
</tr>
<tr>
<td>---------------------</td>
<td>---------------------------------------</td>
<td>------------------------------------------------------</td>
<td>-------------------------------------------------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td>Post Graduate (M.D)</td>
<td>9%</td>
<td>51%</td>
<td>40%</td>
<td>0%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name of the Program</td>
<td>% of students from the same university</td>
<td>% of students from other universities within the State</td>
<td>% of students from universities outside the State</td>
<td>% of students from other countries</td>
</tr>
<tr>
<td>BDS-2011</td>
<td>91%</td>
<td>6%</td>
<td>2%</td>
<td>1%</td>
</tr>
<tr>
<td>BDS-2012</td>
<td>88%</td>
<td>4%</td>
<td>4%</td>
<td>3%</td>
</tr>
<tr>
<td>BDS-2013</td>
<td>91%</td>
<td>7%</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>BDS-2014</td>
<td>97%</td>
<td>1%</td>
<td>2%</td>
<td>0%</td>
</tr>
<tr>
<td>MDS-2012</td>
<td>81%</td>
<td>6%</td>
<td>12%</td>
<td>0%</td>
</tr>
<tr>
<td>MDS-2013</td>
<td>62%</td>
<td>18%</td>
<td>18%</td>
<td>0%</td>
</tr>
<tr>
<td>MDS-2014</td>
<td>77%</td>
<td>11%</td>
<td>11%</td>
<td>0%</td>
</tr>
<tr>
<td>MDS-2015</td>
<td>77%</td>
<td>11%</td>
<td>11%</td>
<td>0%</td>
</tr>
</tbody>
</table>

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 :

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Percentage against enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>70%</td>
</tr>
<tr>
<td>PG to M.Phil, DM / M Ch / DNB</td>
<td>N.A.</td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td>N.A.</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>N.A.</td>
</tr>
<tr>
<td>Employed</td>
<td>N.A.</td>
</tr>
<tr>
<td>Campus selection</td>
<td>N.A.</td>
</tr>
<tr>
<td>Other than campus recruitment</td>
<td>100%</td>
</tr>
<tr>
<td>Entrepreneurs</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

36. Diversity of staff

<table>
<thead>
<tr>
<th>Percentage of faculty who are graduates</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>of the same university</td>
<td>2/29 = 89%</td>
</tr>
<tr>
<td>from other universities within the State</td>
<td>6/29 = 20.68%</td>
</tr>
<tr>
<td>from universities from other States</td>
<td>18/29 = 62.06%</td>
</tr>
<tr>
<td>from universities outside the country</td>
<td>3/29 = 10.34%</td>
</tr>
</tbody>
</table>
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 :
   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

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of the Doctoral Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Abhinav Walia</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Kuldeep Singh</td>
</tr>
<tr>
<td>3</td>
<td>Dr. Pooja Gajaria K.</td>
</tr>
<tr>
<td>4</td>
<td>Dr. Kamakshi Worah</td>
</tr>
<tr>
<td>5</td>
<td>Dr. Reenal Patel</td>
</tr>
<tr>
<td>6</td>
<td>Dr. Harshpreet Kaur</td>
</tr>
<tr>
<td>7</td>
<td>Dr. Ajay Suryakant Wani</td>
</tr>
<tr>
<td>8</td>
<td>Dr. Agarwal Shonit Shyam Jyoti</td>
</tr>
<tr>
<td>9</td>
<td>Dr. Agarwal Akshay Anand</td>
</tr>
<tr>
<td>10</td>
<td>Dr. Puja Iyengar</td>
</tr>
<tr>
<td>11</td>
<td>Dr. Sanchari Saha</td>
</tr>
<tr>
<td>12</td>
<td>Dr. Abeer Mohd. Ilyas Shakira</td>
</tr>
<tr>
<td>13</td>
<td>Dr. Urshilla Kaul</td>
</tr>
<tr>
<td>14</td>
<td>Dr. Avni Sumat Gupta</td>
</tr>
<tr>
<td>15</td>
<td>Dr. Deesha Narendra Bhemat</td>
</tr>
<tr>
<td>16</td>
<td>Dr. Kalyani wasudeorao Mahore</td>
</tr>
<tr>
<td>17</td>
<td>Dr. Evith Pareria</td>
</tr>
<tr>
<td>18</td>
<td>Dr. Padhye Anruta</td>
</tr>
</tbody>
</table>

   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

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Venue</th>
<th>Date</th>
<th>Topic</th>
<th>External Expert</th>
<th>Target Audience</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MGM Auditorium</td>
<td>5/4/2013</td>
<td>1) Autopsy techniques in HIV 2)Maternal Mortality autopsy 3) Live demonstration of heart dissection 4) Live demonstration of brain dissection</td>
<td>Various Faculties</td>
<td>UG and PG, Faculty</td>
</tr>
<tr>
<td>2</td>
<td>Dental Lecture Hall</td>
<td>2014</td>
<td>Salivary gland tumors</td>
<td>Dr. Kane</td>
<td>UG and PG, Faculty</td>
</tr>
</tbody>
</table>
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)**

<table>
<thead>
<tr>
<th></th>
<th>DCI Requirement</th>
<th>Sanctioned</th>
<th>Filled</th>
<th>Actual including CAS and MIs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>02</td>
</tr>
<tr>
<td>Associate Professors/ Reader</td>
<td>01</td>
<td>01</td>
<td>01</td>
<td>02</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>04</td>
</tr>
<tr>
<td>Tutors / Clinical</td>
<td>02</td>
<td>02</td>
<td>02</td>
<td>04</td>
</tr>
<tr>
<td>Senior Resident</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
</tbody>
</table>
11. Faculty profile with name, qualification, designation, area of specialization; experience and research under guidance

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Present Designation</th>
<th>Specialization</th>
<th>Total No. of Years of Experience</th>
<th>No. of Ph.D./M.D students guided for the last 4 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. A. Urhekar</td>
<td>MD Path and Bact.</td>
<td>Prof and HOD</td>
<td>Microbiology</td>
<td>32yrs</td>
<td>23</td>
</tr>
<tr>
<td>Dr. A. Hodiwala</td>
<td>MD</td>
<td>Professor</td>
<td>Microbiology</td>
<td>12 yrs</td>
<td>16</td>
</tr>
<tr>
<td>Dr. S. Samant</td>
<td>MSc, PhD</td>
<td>Associate Professor</td>
<td>Microbiology</td>
<td>24yrs</td>
<td>-</td>
</tr>
<tr>
<td>Dr. H. Kar</td>
<td>MD</td>
<td>Associate Professor</td>
<td>Microbiology</td>
<td>8 Yrs</td>
<td>-</td>
</tr>
<tr>
<td>Dr. S. Pachpute</td>
<td>MD</td>
<td>Assistant Professor</td>
<td>Microbiology</td>
<td>7yrs</td>
<td>-</td>
</tr>
<tr>
<td>Dr. M. Kale</td>
<td>MD</td>
<td>Assistant Professor</td>
<td>Microbiology</td>
<td>6yrs</td>
<td>-</td>
</tr>
<tr>
<td>Dr. D. Khiste</td>
<td>MD</td>
<td>Assistant Professor</td>
<td>Microbiology</td>
<td>5yrs</td>
<td>-</td>
</tr>
<tr>
<td>Dr. S. Patil</td>
<td>MD</td>
<td>Assistant Professor</td>
<td>Microbiology</td>
<td>4 yrs</td>
<td>-</td>
</tr>
<tr>
<td>Dr. A. Kore</td>
<td>MSc. Med. Micro</td>
<td>Tutor</td>
<td>Microbiology</td>
<td>14 yrs</td>
<td>-</td>
</tr>
<tr>
<td>Dr. N. Singh</td>
<td>MBBS</td>
<td>Tutor</td>
<td>-</td>
<td>3 years 6mths</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Raksha Singh</td>
<td>MSc. Med. Micro</td>
<td>Tutor</td>
<td>Microbiology</td>
<td>2 year</td>
<td>-</td>
</tr>
<tr>
<td>Dr. A. Talukdar</td>
<td>MBBS</td>
<td>Tutor</td>
<td>-</td>
<td>2 years 6 months</td>
<td>-</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Program</th>
<th>Students Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBBS</td>
<td>10:1</td>
</tr>
<tr>
<td>MD</td>
<td>1:1</td>
</tr>
<tr>
<td>B.Sc.</td>
<td>10:1</td>
</tr>
<tr>
<td>M.Sc</td>
<td>1:1</td>
</tr>
<tr>
<td>Ph.D</td>
<td>1:1</td>
</tr>
<tr>
<td>BDS</td>
<td>30:1</td>
</tr>
</tbody>
</table>

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Filled</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lab Technicians</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Lab Assistants</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Lab Attendants</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>
16. Research thrust areas as recognized by major funding agencies:

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Title of Projects</th>
<th>Funding Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Diarrheal Diseases</td>
<td>ICMR</td>
</tr>
<tr>
<td>2</td>
<td>Mosquito borne diseases (Malaria, Dengue)</td>
<td>ICMR</td>
</tr>
<tr>
<td>3</td>
<td>Communicable diseases (Tuberculosis)</td>
<td>ICMR</td>
</tr>
<tr>
<td>4</td>
<td>Public health related infections (HIV)</td>
<td>ICMR</td>
</tr>
<tr>
<td>5</td>
<td>Viral Diseases</td>
<td>ICMR</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Title of Projects</th>
<th>Name of Faculty</th>
<th>Funding Agency</th>
<th>Grants received</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Shared computer keyboards and input devices in clinical areas: source of nosocomial infections.</td>
<td>Ms. Ashwini Patankar</td>
<td>ICMR-STS</td>
<td>Rs.10000/-</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Title of Projects</th>
<th>Funding Agency</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Shared computer keyboards and input devices in clinical areas: source of nosocomial infections. Year 2015</td>
<td>ICMR-STS</td>
<td>Rs.10000/-</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Name of the Author</th>
<th>Name of the Book</th>
<th>Publishers</th>
<th>Month / Year</th>
<th>ISBN No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mr. Gurjeet Singh, Dr. A. D. Urhekar</td>
<td>Bacterial Contamination of stethoscopes: A Source of nosocomial infections</td>
<td>Lap Lambert</td>
<td>02.03.2013</td>
<td>973-3-659-35948-4</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Samir Pachpute, Dr. Chitra Pai</td>
<td>Staining v/s Immunological Techniques for diagnosis of malaria</td>
<td>Lap Lambert</td>
<td>24.03.2013</td>
<td>973-3-659-36920-9</td>
</tr>
<tr>
<td>3</td>
<td>Mr. Gurjeet Singh, Dr. A. D. Urhekar, Ms. Asha Kore</td>
<td>Lower Respiratory Tract Infections</td>
<td>Lap Lambert</td>
<td>16.05.2013</td>
<td>973-3-659-39675-5</td>
</tr>
<tr>
<td>4</td>
<td>Mr. Gurjeet Singh and Ms. Raksha Singh</td>
<td>Urinary Tract Infections</td>
<td>Lap Lambert</td>
<td>20.07.2013</td>
<td>978-3-659-43181-4</td>
</tr>
<tr>
<td>5</td>
<td>Ms. Raksha Singh, Dr. Anathita Hodiwala and Dr. Sharvari Samant</td>
<td>Detection of HIV Infection in Pregnant females</td>
<td>Lap Lambert</td>
<td>August, 2013</td>
<td>973-3-659-45173-9</td>
</tr>
<tr>
<td>6</td>
<td>Dr. Sharvari Samant and Dr. Chitra Pai</td>
<td>Characterization and Resisto-Typing of Pathogenic Staphylococci</td>
<td>Lap Lambert</td>
<td>Dec-13</td>
<td>973-3-639-70475-4</td>
</tr>
<tr>
<td>7</td>
<td>Dr. Anathita Hodiwala, Dr. Harapriya Kar, Vivek Shrivastava</td>
<td>Mupirocin Resistant MRSA - A new threat in Management</td>
<td>Lap Lambert</td>
<td>January, 2014</td>
<td>973-3-659-51068-7</td>
</tr>
</tbody>
</table>
22. 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.

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Committees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. A. Urhekar</td>
<td>Member of Board of Studies MGMIHS</td>
</tr>
<tr>
<td></td>
<td>Member of Academic Council MGMIHS</td>
</tr>
<tr>
<td></td>
<td>Member of Institutional Ethics Committee, MGMIHS</td>
</tr>
<tr>
<td></td>
<td>Member of Infection Control Committee, MGM Hospital, Navi Mumbai</td>
</tr>
<tr>
<td>Dr. A. Hodiwala</td>
<td>NABL Coordinator in NABL Team, MGM Hospital, Navi Mumbai</td>
</tr>
<tr>
<td></td>
<td>Member of Board of studies (Biomedical Sciences), MGMIHS</td>
</tr>
<tr>
<td>Dr. S. Samant</td>
<td>Member of Magazine committee, MGMIHS</td>
</tr>
<tr>
<td></td>
<td>Member of Board of studies (Biomedical Sciences), MGMIHS</td>
</tr>
<tr>
<td>Dr. S. Pachpute</td>
<td>NABL Coordinator in NABL Team, MGM Hospital, Navi Mumbai</td>
</tr>
<tr>
<td>Dr. M. Kale</td>
<td>Infection Control Officer in Infection Control Committee, MGM Hospital, Navi Mumbai</td>
</tr>
</tbody>
</table>

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%
- 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:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Topic</th>
<th>Authors</th>
<th>Award</th>
<th>Place</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>A comparative evaluation of conventional and immunological techniques for diagnosis of Malaria</td>
<td>Dr S. Pachpute, Dr C. Pai, Dr A Urhekar</td>
<td>1st prize in poster category</td>
<td>TROPACON National parasitology conference, Nagpur</td>
<td>2011</td>
</tr>
<tr>
<td>2.</td>
<td>Bacteriological Profile of stool samples with special reference to DEC</td>
<td>Dr A Hodiwala, Dr A Urhekar</td>
<td>1st prize in poster category</td>
<td>Maha Microcon TNMC Mumbai Central</td>
<td>2012</td>
</tr>
<tr>
<td>3.</td>
<td>Clinico – Microbiological study of Dengue cases with special reference to Molecular Diagnosis</td>
<td>Dr A. Urhekar</td>
<td>1st Prize in Oral presentation</td>
<td>Chapter Conference of IMA, Madhya Pradesh.</td>
<td>2013</td>
</tr>
<tr>
<td>5.</td>
<td>A study of biofilm formation and metallobeta lactamases in clinical isolates of Pseudomonas aeruginosa in tertiary care hospital</td>
<td>Dr S. Patil, Dr A Hodiwala, Dr A Urhekar</td>
<td>2nd prize in poster category</td>
<td>Maha Microcon Nagpur</td>
<td>2014</td>
</tr>
<tr>
<td>6.</td>
<td>Clinico-etiological characterization of infectious vaginitis amongst women of reproductive age group from Navi Mumbai, India</td>
<td>A. Bhesania Hodiwala</td>
<td>2nd prize in poster category</td>
<td>Maha Microcon LTMMC, Sion</td>
<td>2015</td>
</tr>
<tr>
<td>7.</td>
<td>Detection of NDM-1 in multidrug resistant Gram negative clinical isolates from tertiary care hospital in Navi Mumbai</td>
<td>S. Samant</td>
<td>3rd prize in poster category</td>
<td>Mahamicrocon 2015, LTMMC, Sion</td>
<td>2015</td>
</tr>
</tbody>
</table>
Students:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Topic</th>
<th>Authors</th>
<th>Award</th>
<th>Place</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Bacteriological Profile of stool samples with special reference to DEC</td>
<td>Ms Nisha Y Dr G Gosh</td>
<td>1st prize in poster category</td>
<td>Maha Microcon TNMC Mumbai Central</td>
<td>2012</td>
</tr>
<tr>
<td>2.</td>
<td>Clinico-Microbiological study of Dengue cases with special reference to Molecular Diagnosis</td>
<td>Dr G. Gosh</td>
<td>1st Prize in Oral presentation</td>
<td>Chapter Conference of IMA, Madhya Pradesh</td>
<td>2013</td>
</tr>
</tbody>
</table>

*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

<table>
<thead>
<tr>
<th>Sr no</th>
<th>Topic</th>
<th>Resource Persons</th>
<th>Venue</th>
<th>Year</th>
<th>Delegates</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012-2013</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td>Automation in Microbiology</td>
<td>Dr S. Athalye, HOD and Consulting Microbiologist, Metropolis laboratories, Mumbai</td>
<td>MGM Medical College</td>
<td>Aug, 2012</td>
<td>133</td>
</tr>
<tr>
<td>2.</td>
<td>Importance of rationale use of Antimicrobials</td>
<td>Dr Mohapatra, Director, Banaras university (BHU)</td>
<td>MGM Medical College</td>
<td>April, 2013</td>
<td>128</td>
</tr>
<tr>
<td>2014-2015</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td>Update on Swine Flu</td>
<td>Dr S. Shetye, Director lab services, Metropolis Dr S. Anjanaya, HOD PSM, MGMMC NM Dr Deshpande, Associate Professor Medicine, MGMMC NM</td>
<td>MGM Medical College</td>
<td>April, 2015</td>
<td>149</td>
</tr>
</tbody>
</table>
### Guest Lectures Organized for post graduates

<table>
<thead>
<tr>
<th>Sr No.</th>
<th>Topic of Lecture</th>
<th>Speaker</th>
<th>Venue</th>
<th>Date</th>
<th>No. of PGs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2012-2013</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td>Pulmonary Mycotic diseases</td>
<td>Dr. D. Bhalerao, Associate Prof, Microbiology, Pravara Institute of Medical School and Rural medical college.</td>
<td>Micro Lecture Hall</td>
<td>26th June, 2012</td>
<td>20</td>
</tr>
<tr>
<td>2.</td>
<td>RNTCP</td>
<td>Dr. S. Nair, Associate Professor, Microbiology, K.J.Somaiya Medical College, Sion.</td>
<td>Micro Lecture Hall</td>
<td>19th July, 2012</td>
<td>18</td>
</tr>
<tr>
<td>3.</td>
<td>Recent advances in Malaria</td>
<td>Dr. V. Baradkar, Associate Prof, Topiwala Nair Medical College, Mumbai Central</td>
<td>Micro Lecture Hall</td>
<td>15th Dec, 2012</td>
<td>19</td>
</tr>
<tr>
<td><strong>2013-2014</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td>Recent concepts in Viral etiology of Cancer</td>
<td>Dr N. Debata, Professor, Mirobiology, Institute of Medical Sciences, Kalinga Nagar, Bhubaneshwar</td>
<td>Micro Lecture Hall</td>
<td>16th July, 2013</td>
<td>24</td>
</tr>
<tr>
<td>2.</td>
<td>Internal Quality Assurance</td>
<td>Dr. A. Nerurkar, Professor and Head, Microbiology, GMERS, Valsad, Gujarat</td>
<td>Micro Lecture Hall</td>
<td>17th July, 2013</td>
<td>20</td>
</tr>
<tr>
<td>3.</td>
<td>Epidemiological markers</td>
<td>Dr. S. Lilani, Associate Professor, Sir JJ group of Medical College, Byculla</td>
<td>Micro Lecture Hall</td>
<td>16th Dec, 2013</td>
<td>22</td>
</tr>
<tr>
<td><strong>2014-2015</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td>Dr Ashish Suraana, SMIMER, Surat</td>
<td>Bacterial Biofilms and its importance.</td>
<td>Micro Demo Room</td>
<td>27th Jan 2015</td>
<td>24</td>
</tr>
<tr>
<td><strong>2015-2016</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td>Dr Alka Nerurkar GMERS, Valsad</td>
<td>Medical Ethics</td>
<td>Micro Demo room</td>
<td>29th June, 2015</td>
<td>15</td>
</tr>
<tr>
<td>2.</td>
<td>Dr Manish Patel, SMIMER, Surat</td>
<td>Cultivation of Viruses</td>
<td></td>
<td>24th July, 2015</td>
<td>20</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Name of the Program (refer to question no. 4)</th>
<th>% of students from the same university</th>
<th>% of students from other universities within the State</th>
<th>% of students from universities outside the State</th>
<th>% of students from other countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS – 2011</td>
<td>91</td>
<td>6</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>BDS – 2012</td>
<td>88</td>
<td>4</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>BDS – 2013</td>
<td>91</td>
<td>7</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>BDS – 2014</td>
<td>97</td>
<td>1</td>
<td>2</td>
<td>0</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Percentage against enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011</td>
</tr>
<tr>
<td>UG to PG (MBBS to MD)</td>
<td>0%</td>
</tr>
<tr>
<td>PG to M.Phil.</td>
<td>N.A.</td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td>None</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>None</td>
</tr>
<tr>
<td>Employed</td>
<td></td>
</tr>
<tr>
<td>Campus selection</td>
<td>100%</td>
</tr>
<tr>
<td>Other than campus recruitment</td>
<td>100%</td>
</tr>
<tr>
<td>Entrepreneurs</td>
<td></td>
</tr>
</tbody>
</table>

36. Diversity of staff

<table>
<thead>
<tr>
<th>Percentage of faculty who are graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>of the same university</td>
</tr>
<tr>
<td>from other universities within the state</td>
</tr>
<tr>
<td>from universities from other states</td>
</tr>
<tr>
<td>from universities outside the country</td>
</tr>
</tbody>
</table>

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


b. Internet facilities for staff and students:
   Department-2 computers with Internet facilities and 2 computers without Internate Facility

c. 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 (maximum 10):
   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:

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Topic</th>
<th>Resource Persons</th>
<th>Venue</th>
<th>Year</th>
<th>Delegates</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012-2013</td>
<td>Automation in Microbiology</td>
<td>Dr S. Athalye, HOD and Consulting Microbiologist, Metropolis laboratories, Mumbai</td>
<td>MGM Medical College</td>
<td>Aug, 2012</td>
<td>133</td>
</tr>
<tr>
<td>2</td>
<td>Importance of rational use of Antimicrobials.</td>
<td>Dr Mohapatra, Director, Banaras university (BHU)</td>
<td>MGM Medical College</td>
<td>April, 2013</td>
<td>128</td>
</tr>
<tr>
<td>2014-2015</td>
<td>Update on Swine Flu</td>
<td>Dr S.Shetye, Director lab services, Metropolis Dr S.Anjanaya, HOD PSM, MGMMC NM Dr Deshpande, Associate Professor Medicine, MG-MMC NM</td>
<td>MGM Medical College</td>
<td>April, 2015</td>
<td>149</td>
</tr>
</tbody>
</table>

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:


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**
<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. of Years of Experience</th>
<th>No. of MD/Ph.D./M.Phil. students guided for the last 4 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr Jaishree Ghanekar</td>
<td>M.D. Medicine</td>
<td>Prof. and HOD</td>
<td>Medicine</td>
<td>22 years</td>
<td>9</td>
</tr>
<tr>
<td>Dr. Alok Banerjee</td>
<td>M.D. Medicine, DM, Neurology</td>
<td>Prof.</td>
<td>Medicine</td>
<td>34 years</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Sandip Rai</td>
<td>DNB Medicine</td>
<td>Prof.</td>
<td>Medicine</td>
<td>12 years</td>
<td>4</td>
</tr>
<tr>
<td>Dr. Amrit Kejriwal</td>
<td>M.D. Medicine</td>
<td>Asso. Prof.</td>
<td>Medicine</td>
<td>10 years</td>
<td>3</td>
</tr>
<tr>
<td>Dr. Atul Ingle</td>
<td>M.D Medicine</td>
<td>Prof</td>
<td>Medicine</td>
<td>20 years</td>
<td>1</td>
</tr>
<tr>
<td>Dr. Mitesh Thakkar</td>
<td>DNB Medicine</td>
<td>Asso. Prof.</td>
<td>Medicine</td>
<td>8 years</td>
<td>-</td>
</tr>
<tr>
<td>Dr. U.N. Deshpande</td>
<td>M.D. Medicine</td>
<td>Asso. Prof.</td>
<td>Medicine</td>
<td>5 years</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Babita Ghodke</td>
<td>M.D. Medicine</td>
<td>Asso. Prof.</td>
<td>Medicine</td>
<td>12 years</td>
<td>3</td>
</tr>
<tr>
<td>Dr. W.R. Patil</td>
<td>M.D. Medicine</td>
<td>Asso. Prof.</td>
<td>Medicine</td>
<td>13 years</td>
<td>2</td>
</tr>
<tr>
<td>Dr. P.K. Deshmukh</td>
<td>M.D. Medicine</td>
<td>Asso. Prof.</td>
<td>Medicine</td>
<td>8 months</td>
<td>-</td>
</tr>
<tr>
<td>Dr Ravindra Nikalji</td>
<td>MD Medicine, DM Nephrology</td>
<td>Asst Prof.</td>
<td>Medicine, Nephrology</td>
<td>2 years</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Bhaimangesh Naik</td>
<td>M.D Medicine</td>
<td>Asst. Prof.</td>
<td>Medicine</td>
<td>1 year</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Vandana Dandekar</td>
<td>M.D Medicine</td>
<td>Asst. Prof.</td>
<td>Medicine</td>
<td>9 months</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Chinholikar</td>
<td>M.D Medicine</td>
<td>Asst. Prof.</td>
<td>Medicine</td>
<td>2 years</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Neha Athale</td>
<td>M.D Medicine</td>
<td>Asst. Prof.</td>
<td>Medicine</td>
<td>2 years</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Snehal Paul</td>
<td>M.D. Medicine</td>
<td>Asst. Prof.</td>
<td>Medicine</td>
<td>1 year</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Shivangi Singh</td>
<td>DM Endocrinolgy</td>
<td>Asst. Prof.</td>
<td>Medicine</td>
<td>2 month</td>
<td>-</td>
</tr>
</tbody>
</table>

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** -

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Programme</th>
<th>Students Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Undergraduate</td>
<td>6 :1</td>
</tr>
<tr>
<td>2.</td>
<td>Post Graduate</td>
<td>2:1 (Professor)</td>
</tr>
<tr>
<td>3.</td>
<td>Post Graduate</td>
<td>1 : 1 (Asso. Prof.)</td>
</tr>
</tbody>
</table>

15. **Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.**

<table>
<thead>
<tr>
<th></th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical</td>
<td>2</td>
</tr>
<tr>
<td>Non technical</td>
<td>2</td>
</tr>
</tbody>
</table>

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.

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, Bangalore
      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

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.


9. Member, TRG Group for Chemoprophylaxis for OIs, NACO 2000.


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.


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, JJ 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


2. Editorial Board, Indian Practitioner.


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. Kapoors 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**:

<table>
<thead>
<tr>
<th>Name of the Program (refer to question no. 4)</th>
<th>% of students from the same university</th>
<th>% of students from other universities within the State</th>
<th>% of students from universities outside the State</th>
<th>% of students from other countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS – 2011</td>
<td>91</td>
<td>6</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>BDS – 2012</td>
<td>88</td>
<td>4</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>BDS – 2013</td>
<td>91</td>
<td>7</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>BDS – 2014</td>
<td>97</td>
<td>1</td>
<td>2</td>
<td>0</td>
</tr>
</tbody>
</table>

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 Shenoi |
   | 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
   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 -
   1. Dr Abhijit Korane - M.D. medicine from Institute in 2007, DNB Nephro -2012
   2. Dr Vijay Kadam MD Medicine from Institute in 2009, Completed DM cardiology
   3. Dr Nikhila pachani MD Medicine from institute in 2011, Completed DM Cardiology
   4. Dr Hrishikesh Desle MD Medicine from institute, Completed DM Cardiology
   5. Dr Nikhil Sinha MD medicine from the institute in 2011, Worked as faculty member in Dept
   6. Dr Neha Aatle MD medicine from the institute in 2013, Worked as faculty member in Dept
   7. Dr Kunal jadhav: DM neurology
   8. Dr Bhargav Reddy: DNB gastroenterology
   9. Dr Charan reddy: DNB cardiology
   10. 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.
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 multidisciplinary 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
    - Symposia 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 Depts
- 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.)**:
<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>NAME OF FACULTY</th>
<th>Qualification</th>
<th>Designation and HOD</th>
<th>Specialization</th>
<th>Experience</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Kalyanshetti Ashok</td>
<td>MBBS, MS</td>
<td>Professor and HOD</td>
<td>General Surgeon</td>
<td>26 Yrs.</td>
</tr>
<tr>
<td>2</td>
<td>Dr. G.S. Narshetty</td>
<td>MBBS, MS</td>
<td>Professor</td>
<td>General Surgeon</td>
<td>28 Yrs.</td>
</tr>
<tr>
<td>3</td>
<td>Dr. Ali Reza S.</td>
<td>MBBS, MS</td>
<td>Professor</td>
<td>General Surgeon</td>
<td>21 Yrs.</td>
</tr>
<tr>
<td>4</td>
<td>Dr. Prashant Athale</td>
<td>MBBS, MS</td>
<td>Professor</td>
<td>General Surgeon</td>
<td>23 Yrs.</td>
</tr>
<tr>
<td>5</td>
<td>Dr. Kundan Gedam</td>
<td>MBBS, MS</td>
<td>Professor</td>
<td>General Surgeon</td>
<td>17 Yrs.</td>
</tr>
<tr>
<td>6</td>
<td>Dr. D. B. Bhussare</td>
<td>MBBS, MS, M.Ch.</td>
<td>Professor</td>
<td></td>
<td>19 Yrs.</td>
</tr>
<tr>
<td>7</td>
<td>Dr. S. Pani</td>
<td>MBBS, MS</td>
<td>Associate Professor</td>
<td>General Surgeon</td>
<td>12 Yrs.</td>
</tr>
<tr>
<td>8</td>
<td>Dr. Vyas Natwar L.</td>
<td>MBBS, MS, FAIS</td>
<td>Associate Professor</td>
<td>General Surgeon</td>
<td>13 Yrs.</td>
</tr>
<tr>
<td>9</td>
<td>Dr. Lisha Suraj</td>
<td>MBBS, DNB, AIG-ES, MAS</td>
<td>Associate Professor</td>
<td>General Surgeon</td>
<td>10 Yrs.</td>
</tr>
<tr>
<td>10</td>
<td>Dr. Jadhav Raviraj</td>
<td>MBBS, MS</td>
<td>Associate Professor</td>
<td>General Surgeon</td>
<td>10 Yrs.</td>
</tr>
<tr>
<td>11</td>
<td>Dr. Jadhav Ashish T.</td>
<td>MBBS, MS</td>
<td>Associate Professor</td>
<td>General Surgeon</td>
<td>10 Yrs.</td>
</tr>
<tr>
<td>12</td>
<td>Dr. Sujit Prasad</td>
<td>MBBS, MS</td>
<td>Assistant Professor</td>
<td>General Surgeon</td>
<td>7 Yrs.</td>
</tr>
<tr>
<td>13</td>
<td>Dr. Binal Kumar Saxena</td>
<td>MBBS, MS</td>
<td>Assistant Professor</td>
<td>General Surgeon</td>
<td>6 Yrs.</td>
</tr>
<tr>
<td>14</td>
<td>Dr. Subhash P. Desai</td>
<td>MBBS, MS</td>
<td>Assistant Professor</td>
<td>General Surgeon</td>
<td>6 Yrs.</td>
</tr>
<tr>
<td>15</td>
<td>Dr. Sanish Shringarpure</td>
<td>MBBS, MS</td>
<td>Assistant Professor</td>
<td>General Surgeon</td>
<td>9 Yrs.</td>
</tr>
<tr>
<td>16</td>
<td>Dr. Atul K. Govardhan</td>
<td>MBBS, MS</td>
<td>Assistant Professor</td>
<td>Plastic Surgeon</td>
<td>7 Yrs.</td>
</tr>
<tr>
<td>17</td>
<td>Dr. Neeraj Patni</td>
<td>MBBS, MS, Mch</td>
<td>Assistant Professor</td>
<td>Neuro Surgeon</td>
<td>7 Yrs.</td>
</tr>
<tr>
<td>18</td>
<td>Dr. Arun Pol</td>
<td>MBBS, MS</td>
<td>Assistant Professor</td>
<td>General Surgeon</td>
<td>6 Yrs.</td>
</tr>
<tr>
<td>19</td>
<td>Dr. Adnan Shaikh</td>
<td>MBBS, MS, M.Ch.</td>
<td>Assistant Professor</td>
<td>General Surgeon</td>
<td>½ Yrs.</td>
</tr>
</tbody>
</table>

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 :

<table>
<thead>
<tr>
<th>Programme</th>
<th>Student teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS</td>
<td>1:6.5</td>
</tr>
<tr>
<td>MBBS</td>
<td>1:6.5</td>
</tr>
</tbody>
</table>

15. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Filed</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jr. Office Assistant</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Peon</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Store Keeper</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

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 collatorative 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
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/institute/institute: Nil

29. Awards/recognition 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:**

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**

<table>
<thead>
<tr>
<th>Name of the Program (refer to question no. 4)</th>
<th>% of students from the same university</th>
<th>% of students from other universities within the State</th>
<th>% of students from universities outside the State</th>
<th>% of students from other countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS – 2011</td>
<td>91</td>
<td>6</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>BDS – 2012</td>
<td>88</td>
<td>4</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>BDS – 2013</td>
<td>91</td>
<td>7</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>BDS – 2014</td>
<td>97</td>
<td>1</td>
<td>2</td>
<td>0</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Percentage against enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011</td>
</tr>
<tr>
<td>UG to PG</td>
<td>18 %</td>
</tr>
<tr>
<td>PG to M.Phil / DM / M Ch/DNB</td>
<td>none</td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td>none</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>none</td>
</tr>
<tr>
<td>Employed</td>
<td>-</td>
</tr>
<tr>
<td>Campus selection</td>
<td>-</td>
</tr>
<tr>
<td>Other than campus recruitment</td>
<td>100%</td>
</tr>
<tr>
<td>Entrepreneurs</td>
<td>-</td>
</tr>
</tbody>
</table>

36. **Diversity of staff**

<table>
<thead>
<tr>
<th>Percentage of faculty who are graduated</th>
<th>100% graduation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Of the same university</td>
<td>92 (9%)</td>
</tr>
<tr>
<td>From other universities within the State</td>
<td>15 (73%)</td>
</tr>
<tr>
<td>From universities from other Stated</td>
<td>4 (18%)</td>
</tr>
<tr>
<td>From universities outside the country</td>
<td>Nil</td>
</tr>
</tbody>
</table>
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. Mayur Mhatre, neurosurgeon, training in Germany.
- Dr. Sameer Kadam doing CVTS.
- Dr. Mehul Damaniya doing FRCS Opthalmology.
- Dr. Khushwant Popli doing Mch CVTS.
- Dr. Vinod Shrama Mch CVTS.

44. Give details of student enrichment programme (special lectures/workshops/seminar) involving external experts:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Venue</th>
<th>Date</th>
<th>Topic</th>
<th>External expert</th>
<th>Target audience</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MGM</td>
<td>08.03.14</td>
<td>Nuclear Medicine</td>
<td>Dr. Natasha Singh</td>
<td>Teacher and Students</td>
</tr>
<tr>
<td>2</td>
<td>MGM</td>
<td>29.12.14</td>
<td>Acute Abdomen</td>
<td>Dr. Jignesh Gandhi</td>
<td>Teacher and Students</td>
</tr>
</tbody>
</table>

- 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, Bhaja 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)**

<table>
<thead>
<tr>
<th></th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Associate Professors</td>
<td>01</td>
<td>01</td>
</tr>
</tbody>
</table>

11. **Faculty profile with name, qualification, designation, area of specialization; experience and research under guidance**

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. of Years of Experience</th>
<th>No. of Ph.D./M.Phil./MD students guided for the last 4 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Olvyna D’Souza</td>
<td>MD - 1995</td>
<td>Prof and HOD</td>
<td>Anaesthesiology</td>
<td>14 Yrs.</td>
<td>4</td>
</tr>
<tr>
<td>Dr. Vishwas Sathe</td>
<td>MD – 2010</td>
<td>Associate Professor</td>
<td>Anaesthesiology</td>
<td>5 yrs. 5 Month</td>
<td></td>
</tr>
</tbody>
</table>

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 cam-
    pus
   ● 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** -
   a) National Committees - None
   b) International committees - None
   c) Editorial Boards - None
   d) 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.

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

<table>
<thead>
<tr>
<th>Name of the Programme (refer to question no.4)</th>
<th>% of students from the same university</th>
<th>% of students from other universities within the state</th>
<th>% of students from universities outside the State</th>
<th>% of students from other countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS-2011</td>
<td>91</td>
<td>6</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>BDS-2012</td>
<td>88</td>
<td>4</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>BDS-2013</td>
<td>91</td>
<td>7</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>BDS-2014</td>
<td>97</td>
<td>1</td>
<td>2</td>
<td>0</td>
</tr>
</tbody>
</table>

### 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

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Percentage against enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011</td>
</tr>
<tr>
<td>UG to PG</td>
<td></td>
</tr>
<tr>
<td></td>
<td>18%</td>
</tr>
<tr>
<td>PG to M.Phil./DM/M.ch/DNB</td>
<td>None</td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td>None</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>None</td>
</tr>
<tr>
<td>Employed</td>
<td></td>
</tr>
<tr>
<td>Campus selection</td>
<td></td>
</tr>
<tr>
<td>Other than campus recruit</td>
<td></td>
</tr>
<tr>
<td>Entrepreneurs</td>
<td></td>
</tr>
</tbody>
</table>

### 36. Diversity of staff

<table>
<thead>
<tr>
<th>Percentage of faculty who are graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>of the same university</td>
</tr>
<tr>
<td>from other universities within the state</td>
</tr>
<tr>
<td>from universities from other states</td>
</tr>
<tr>
<td>from universities outside the country</td>
</tr>
</tbody>
</table>
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 (maximum10)
   ● 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 Col-
     ledge 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, motil-
     ity 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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DENTAL COLLEGE AND HOSPITAL
KAMOTHE, NAVI MUMBAI