K.V.G. DENTAL COLLEGE & HOSPITAL SULLIA, D.K.

DEPARTMENT OF ORAL PATHOLOGY AND MICROBIOLOGY

DEPARTMENT PROFILE
1. **Name of the Department**: Department of Oral Pathology and Microbiology

2. **Year of establishment**

   Under graduate course – October 1991  
   Post graduate course – June 2012

3. **Is the Department part of a School/Faculty of the university?**

   Yes. Rajiv Gandhi University of Health Sciences, Bangalore

4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)**

<table>
<thead>
<tr>
<th>Program</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDS</td>
<td>SINCE 1991</td>
</tr>
<tr>
<td>MDS</td>
<td>SINCE 2012</td>
</tr>
<tr>
<td>DMLT</td>
<td>SINCE 2006</td>
</tr>
</tbody>
</table>

5. **Interdisciplinary programmes and departments involved with**

   Departments of Oral Pathology & Microbiology is involved in the interdisciplinary programmes of:

   1. Staff & postgraduate students attend the interdepartmental meetings held in the college auditorium.
      - In collaboration with Dept of. Public Health Dentistry & Periodontics post graduate students present special cases reported in the department.
      - Dr.Supriya.H presented a case report on Castlemans disease on 3/3/15
      - Dr.Suhasini presented short study findings on Sex determination using Barr Bodies on 3/3/15
   2. Postgraduate students attend training programme at Department of Onco Pathology, Malabar Cancer centre, Thalassery.
   3. Postgraduate students attend training programme at Department of Onco diagnosis & Pathology, Kidwai Cancer & Research centre, Bengaluru.
   4. KVG Medical college & Hospital – Postgraduate students attend the Central Lab postings to get trained in hematology, biochemical & microbiological laboratory investigations.
5. Department of Oral & Maxillofacial Surgery, KVG Dental College - Postgraduate students attend and assist various surgical treatments performed.

6. Department of Oral Medicine & Radiology, KVG Dental College - Postgraduate students attend the various Case discussions and assist in performing various Lab investigations like FNAC & biopsy

6. Examination System: Annual/Semester/Trimester/Choice Based Credit System

BDS: Annual (as per RGUHS and DCI norms)
MDS: At the end of 3rd year (as per RGUHS and DCI norms)

7. Participation of the department in the courses offered by other departments
   The department is in collaboration with department of Prosthodontics in training dental technician students.

8. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

<table>
<thead>
<tr>
<th>Teaching posts</th>
<th>Sanctioned</th>
<th>Filled</th>
<th>Actual (including CAS &amp; MPS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>1</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Reader</td>
<td>2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Senior Lecturer</td>
<td>3</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Others(Lecturer)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

9. 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 (On Nov 30th 2016)</th>
<th>No. of Ph.D./M.Phil/MDS students guided for the last 4 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Harishchandra Rai</td>
<td>MDS</td>
<td>Professor and HOD</td>
<td>Oral Pathology</td>
<td>14yrs. 11M</td>
<td>6</td>
</tr>
<tr>
<td>Dr. Shaila M</td>
<td>MDS, Phd</td>
<td>Professor</td>
<td>Oral Pathology</td>
<td>10 Yrs 5M</td>
<td>3</td>
</tr>
<tr>
<td>Name</td>
<td>Qualification</td>
<td>Designation</td>
<td>Specialization</td>
<td>No. of Years of Experience (On Nov 30th 2016)</td>
<td>No. of Ph.D./M.Phil/MDS students guided for the last 4 years</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>---------------</td>
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<td>---------------------------------------------</td>
<td>-------------------------------------------------------------</td>
</tr>
<tr>
<td>Dr. Anita Dayakar</td>
<td>MDS</td>
<td>Reader</td>
<td>Oral Pathology</td>
<td>9Yrs. 5 M</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Gaurav Ghosh</td>
<td>MDS</td>
<td>Reader</td>
<td>Oral Pathology</td>
<td>5Yrs. 5 M</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Charan Kaje</td>
<td>MDS</td>
<td>Reader</td>
<td>Oral Pathology</td>
<td>5yr 2M</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Preethi Purushotham</td>
<td>MDS</td>
<td>Sr.Lecturer</td>
<td>Oral Pathology</td>
<td>1 yr 6M</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Supriya H.</td>
<td>MDS</td>
<td>Sr.Lecturer</td>
<td>Oral Pathology</td>
<td>3M</td>
<td>-</td>
</tr>
</tbody>
</table>

10. Programme-wise Student Teacher Ratio

- BDS- 10:1
- MDS- 3:5
- PG Diploma – nil
- DDM-nil

11. 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 (including CAS &amp; MPS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical</td>
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<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Attender</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>
Publications of the staff & post graduates of the department

2012
2. Mulki S, Dayakar A. Melanocytic lesions of Oral Cavity. JIDAS. 2012; 4
3. Mulki S, Dayaka A. Giant cell lesions: A review. II Author. JIDAS.2012; 4(3)
4. Pai P, Mundoor MD, Mulki S, Dayakar A. Correlation between ABO blood group phenotypes & periodontal diseases: prevalence in southkanara district, Karnataka state, India. J of Indian soc periodontology 2012;16(4) :519-523
5. Ghosh G - Hemangioma of the tongue- a case report. Dental era a journal of dentistry.2012;2(1)

2013

2014

**2015**


**2016**

3. PD Suhasini, **Mulki S, Rajalekshmi V, Supriya H**. Life prevails over death: Is it good for tumors? EJBP.2016;3(3):244-250

<table>
<thead>
<tr>
<th>Faculty</th>
<th>h-index</th>
<th>No. of Citations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof(Dr.)Harishandra Rai-</td>
<td>2</td>
<td>19</td>
</tr>
<tr>
<td>Prof(Dr.)Shaila.M</td>
<td>2</td>
<td>19</td>
</tr>
<tr>
<td>Dr. Anitha Dayakar</td>
<td>2</td>
<td>6</td>
</tr>
</tbody>
</table>

**TOTAL SCORE OF THE DEPARTMENT - 6**

23. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

- Prof (Dr) Harishchandra Rai gave a guest Lecture during the Clinico Pathological Conference, held at MCODS, Manipal university, Manipal. Dec, 2012.
- Prof (Dr) Harishchandra Rai gave a guest Lecture during the Clinico Pathological Conference, held at A J Institute of dental sciences, Mangalore. March 2013.
- Prof (Dr) Harishchandra Rai gave a guest Lecture on “Oral biopsy-in private practice” during the CDE program held at IDA branch puttur, 2014.
- Prof (Dr) Harishchandra Rai visited V.S Dental college as external examiner for Undergraduate III BDS practical examination in June 2015.
- Prof (Dr)Harishchandra Rai visited Anoor Dental college as external examiner for postgraduate university examination in August 2016.
- Prof (Dr.) Shaila .M visited Hassanamba Dental College as LIC Inspector in May 2015.
- Prof (Dr.) Shaila .M visited RV Dental college as external examiner for PG MDS Practical examination in July 2016 under RGUHS.
- Dr.Anitha Dayakar visited College of Dental Sciences, Davangere as external examiner for 1st BDS Dental Anatomy& Histology examination in july 2015.
- Dr.Anitha Dayakar visited Dayanand Sagar College of Dental Sciences, Bangalore as external examiner for 1st BDS Dental Anatomy& Histology examination in july 2016.
- Dr.Gaurav Ghosh visited S.V Dental College, Bengaluru as external examiner for III
24. Faculty serving in
   1. National committees b) International committees c) Editorial Boards d) any other (please specify)
      - Prof(Dr.)Harishchandra Rai – 1. Life member of IAOMP
        2. Life member of IDA
        3. Member of Board of studies of Yenapoya University
      - Prof(Dr.)Shaila M – 1. Life member of IAOMP
        2. Life member of IDA
      - Dr.Anitha Dayakar-1. Life member of IAOMP
        2. Life member of IDA
      - Dr.Charan Kaje-1. Life Member of IAOMP
        2. Life Member of IDA
      - Dr.Gaurav Ghosh-1. Life Member of IAOMP
        2. Life Member of IDA
      - Dr.Preethi Purushotham-1. Life Member of IAOMP
      - Dr.Supriya .H- 1. Life Member of IAOMP
        2. Life Member of IDA

25. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).
    Faculties are encouraged to attend Conferences/conventions. The various conferences attended by each faculty members are as follows:

    **Prof(Dr.)Harishchandra Rai**
    2. 40th Karnataka state dental conference at B.C road, Bantwal.dec 2012
    3. XIII pg convention at Tirupathi from 9/07/13 to 11/07/13
    4. 41st KSDC conference at Madikeri from 22/11/13 to 24/11/13
    5. XXIII national conference of IAOMP held at Bangalore from 28th -30th November 2014
    6. 43rd Karnataka state dental conference at B.C road, Bantwal.Dec 2015

    **Prof (Dr.) Shaila .M**
2. International 33rd annual conference of Indian association of biomedical scientists (IABS) in Deralakatte from November 1-3, 2012 on 'Recent trends and advances in biomedical research - an integrated approach.'

3. 40th Karnataka state dental conference held at B.C.Road, Bantwal .Nov 30th -Dec 2nd 2012.

4. 41st Karnataka state dental conference held at hotel crystal court, Madikeri, Nov 22-24,2013.


6. 43rd Karnataka state dental conference at B.C road, Bantwal.Dec 2015

Dr.Anitha Dayakar
2. International 33rd annual conference of Indian association of biomedical scientists (IABS) in Deralakatte from November 1-3,2012. 'Recent trends and advances in biomedical research - an integrated approach.'
3. 40TH Karnataka state dental conference held at B.C.Road, Bantwal .Nov 30th -Dec 2nd 2012
5. 2ND interstate and 42ND Karnataka state dental conference organized by IDA.D.K branch held on November 28th -30th 2014 at Mangalore.
6. 43rd Karnataka state dental conference at B.C road, Bantwal.Dec 2015

Dr.Charan Kaje
1. 40th Karnataka state dental conference at B.C road, Bantwal.Dec 2012
2. 20th National conference of the Indian society of oral Implantologists held at Mumbai, October, 2013.
3. 41st Karnataka state dental conference held at Madikeri. November 2013
4. 67th Indian dental conference held at Hyderabad, February, 2014
5. FDI annual world congress held at New Delhi, September 2014.
6. 2nd Interstate and 42nd Karnataka state dental conference held at Mangalore. November 2014
8. 43rd Karnataka state dental conference at B.C road, Bantwal.Dec 2015
Dr. Preethi Purushotham

1. 40th Karnataka state dental conference at B.C road, Bantwal. Dec 2012
3. 41st Karnataka state dental conference held at Madikeri. November 2013
4. 67th Indian dental conference held at Hyderabad, February, 2014.
5. 43rd Karnataka state dental conference at B.C road, Bantwal. Dec 2015

Dr. Supriya H

1. 41st KSDC conference at Madikeri from 22nd - 24th September 2013.
2. National pg convention at Kolkata from 17th-19th July 2014
3. IAOMP conference at Bangalore from 28th - 30th November 2014
4. 13th IAFO national conference at Mysore from 18th-20th September 2015
5. International symposium on head and neck at Manipal from 3rd - 4th October 2015
6. 43rd KSDC conference at BC road from 18th - 20th December

❖ Workshops/ Hands on courses: The various workshops attended by faculty members are:
   • Workshop & hands on course on “TISSUE MICROARRAY” at Yenapoya dental College & Hospital, Mangalore on 8/03/14
   • “FORENSIC ODONTOLOGY: CLUES OF YESTERDAY, EVIDENCE FOR TODAY” on 25th July by department of Oral Medicine & Radiology, Manipal College of dental sciences, Attavar, Mangalore
   • IMMUNOHISTOCHEMISTRY: an advise conducted by department of oral pathology KVG dental College on 19th February 2016.
   • CLINPATHCME 2016 organized by Department of Pathology, KVGMC, Sullia on 4th June 2016
   • Teachers Training program- All Staff members attended teachers training program held at KVG auditorium, KVGDC on 15/09/16-16/09/16.

❖ CDE programs.: The various CDE Programmes attended by Faculty members are:

2012:
   • Scientific symposium on “ORAL SYSTEMIC HEALTH “ at KVGDC on 2/7/12
   • CDE program on “ANTERIOR ESTHETICS WITH COMPOSITES” lecture/hands on course held at KVG dental college & hospital, Sullia on 16th July 2012.
   • Symposium on “ORAL CANCER” at KVG DC on 26/07/12
   • Various CDE program held at Indian dental association, Sullia branch, from April 2012 to Nov 2012.
- CDE program on “HIV AND HEPATITIS” at KVG DC, Sullia on 14/09/12
- CDE program on “PERIODONTAL MICROBIOLOGY” at KVG DC on 1/10/12.
- CDE program on “PAEDOCONSCIENTIA-III” held at KVG dental college & hospital, Sullia Nov 2012.
- CDE program on “SIGN-OUTS EVERY REPORT COUNTS “ at Manipal college of dental sciences, Manipal on 15/12/12

2013
- CPD program on “MUSEUM TECHNIQUES” held at MCODS, Mangalore on 23/02/13
- CDE program on “IHC-THE FINAL SEAL “ at A.J institute of dental sciences, Mangalore on 28/03/13
- CDE programme on “ENCORE –ANTERIOR ESTHETICS WITH COMPOSITES” at KVG DC on 2/07/13
- CDE programme on “CURRENT CONCEPTS IN MANAGEMENT OF APHTHOUS ULCER” at MCODS, Mangalore on 27/7/13
- CDE programme on “FORENSIC ODONTOLOGY” at Yenapoya dental college, Mangalore on 26/09/13

2014
- CPD program on “DIAGNOSIS AND ETHICS- A STRADDLE FOR ORAL CANCER CARE” on 13th Dec 2014 at Manipal University. Gyan O Path-Decoding the slide conducted by Department of Oral Pathology and Microbiology at AB Shetty Memorial institute of dental sciences on 24th February, 2014.
- Tissue microarray conducted by Department of Oral Pathology and Microbiology at Yenopoya college of Dental sciences on 8th March, 2014.
- Prosthetica 14 conducted by Department of Prosthodontics, KVG Dental college on 21st March, 2014.
- Evidence based plaque control and surgical Periodontics conducted by Department of Periodontics, KVG Dental college on 25th March, 2014.
- Forensic odontology conducted by Department of Oral pathology and microbiology, KVG Dental college on 27th March, 2014.
- Remineralisation –is it forever? conducted by Department of Conservative dentistry and Endodontics, KVG Dental college on 4th April, 2014.
- Paedoconscientia IV-Symposium on treatment of cleft lip and palate conducted by Department of Pediatric Dentistry, KVG Dental college on 2nd September, 2014.
2015

• ORAL CANCER, CURRENT STATUS & RESEARCH OPPORTUNITIES, CDE programme conducted in Yenopaya university on 23rd March, 2015

• Attended SMILE TORCH programme conducted by dept of orthodontics on 26/06/15. Attended, CPD programme on IMMUNOGUARDS: MAGIC BULLETS OF OUR BODY held on 12th August 2015 at Manipal college of dental sciences, Mangalore.

• Attended “INTERNATIONAL SYMPOSIUM ON HEAD AND NECK TUMORS-TRANSLATION FROM CANCER BIOLOGY TO CANCER MEDICINE” on 3rd and 4th October 2015 by department of oral pathology and microbiology at Manipal college of dental sciences, Manipal.

• Attended CDE programme on ‘RADIODIAGNOSIS: PAST, PRESENT, FUTURE’ held on 24th November 2015 at KVG dental college and hospital, Sullia.

• Attended CDE programme by dept of Pedodontics on YOGASANNA FOR COMPLETE HEALTH on 26/11/15

• Attended CDE programme on ‘PHOTOGRAPHY IN CLINICAL DENTISTRY-THE ART AND SCIENCE’ held on 5/12/15 at KVG dental college and hospital, Sullia.

• Attended 43rd Karnataka state dental conference held on 18th-20th December at B.C road hosted by Puthur branch.

• Attended CDE programme conducted by dept of Prosthodontics on “PROSTHETICA-15”

2016

• Attended CDE programme on ‘IRRIGATION AND IRRIGATION DEVICES’ held on 19th January 2016 at KVG dental college and hospital, Sullia.

• Attended CDE programme & workshop conducted by dept of Oral pathology on IMMUNOHISTOCHEMISTRY: AN ADVICE on 19/02/16

• Attended CDE programme on SPACE INFECTION by dept of OMFS on 23/02/16

• Attended CDE programme conducted by dept of Public health dentistry on ‘U CAN CARVE YOUR OWN FUTURE’ on 17/03/16

• Attended CDE programme conducted by Dept of Pedodontics on the topic DIRECT PULP CAPPING on 24/03/16
• Attended CDE programme on “IMPLANTOLOGY AT TODAY’S” conducted by dept of Oral & Maxillofacial Surgery on 13/05/16.

• Attended CDE programme on “ORAL BIOPSY: EXPERIENCE & EXPECTATIONS” on 26/07/2016 at KVG dental college & hospital.

26. Student projects

• Percentage of students who have done in-house projects including inter-departmental projects.

| Post Graduate students- short study: | Completed 4 (57%) | Ongoing 3 (43%) |

1. Dr.Vivek Javagal : A comparative study of glycogen positive cells in buccal smears of type 2 diabetes patients(COMPLETED)

2. Dr.Suhasini PD :Sex determination using barr bodies using feulgen stain(COMPLETED)

3. Dr.Shreedevi : Cytomorphological spectrum of cervical lymphnode fine needle aspirate in tertiary cancer centre.(COMPLETED)

4. Dr.Sreejyothi :Extranodal lymphnode in the Head & neck region.A retrospective single centre study over 3 years. (COMPLETED)

5. Dr.Elizabeth Sojan : Assessment of biopsy awareness among the general dental practitioners(ONGOING)

Long study topics of postgraduates are:

1. Dr.Sreejyothi H.K: Cytomorphological analysis of keratinocytes in oral habits. (ONGOING)

2. Dr.Shreedevi: Evaluation of antifungal potential of ethanolic extract of Ixora Coccinea: an invitro study (ONGOING)
<table>
<thead>
<tr>
<th>Project Title</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>A correlative study of Syndecan-1 expression in different grades of oral epithelial dysplasia</td>
<td>completed</td>
</tr>
<tr>
<td>Expression of Survivin in different grades of oral squamous cell carcinoma – an IHC study</td>
<td>completed</td>
</tr>
<tr>
<td>Histopathological correlation of micronuclei with different grades of epithelial dysplasia of the oral cavity by exfoliative cytology</td>
<td>completed</td>
</tr>
<tr>
<td>Microwave assisted tissue fixation &amp; processing in tissues of different thickness-a comparative study</td>
<td>completed</td>
</tr>
<tr>
<td>Effect of local &amp; commercial arecanut &amp; tobacco products on DNA damage using comet assay</td>
<td>completed</td>
</tr>
<tr>
<td>A correlative study of Human Papilloma virus -16 in oral SCC using PCR</td>
<td>completed</td>
</tr>
<tr>
<td>Detection &amp; clinicopathological correlation of Human Papilloma virus -16 in oral SCC using PCR</td>
<td>completed</td>
</tr>
<tr>
<td>Assessment of GLUT-1 expression in different grades of oral epithelial dysplasia and oral squamous cell carcinoma projecting as a marker for tumor progression</td>
<td>ongoing</td>
</tr>
</tbody>
</table>
27. Awards / recognitions received at the national and international level by

- Faculty – Dr.Charan Kaje:
  1. Received best local branch secretary award at 41st state dental Conference held at Madikeri in 2013.
  2. Received best local branch president at 67th National dental Conference held at Delhi in February 2015.
  3. Received best local branch president at 43rd state dental Conference held at B.C Road in December 2015

- Doctoral / post doctoral fellows – Dr.Shaila .M. was awarded Phd degree from NITTE university on 17/09/16

- Students
  1. Sunil Martin Stevens of 2009 batch bagged 10th Rank in Oral Pathology in the year 2011-2012
  3. Salma Majeeda Ottakath bagged 9th Rank in Oral Pathology in the year 2012-2013

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

- Triple O symposium in June 2012 conducted at KVG Dental College and Hospital
- CDE On Forensic Odontology : clues of yesterday , evidence for tomorrow on 27/03/14 conducted at KVG Dental College and Hospital
- Workshop on “Immunohistochemistry: An Advice” on 19/02/16 at KVG Dental college
- CDE on “Biopsy: experience & expectations” on 26/07/16 at KVG Dental College.

29. Code of ethics for research followed by the departments

All researchers have to take clearance/ permission from the Institutional ethical committee.

30. 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>2012-2013 MDS Batch</td>
<td>100%</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>2013-2014 MDS</td>
<td>100%</td>
<td></td>
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<td></td>
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</tbody>
</table>
### Name of the Programme

(Refer to question no. 4)

<table>
<thead>
<tr>
<th>Batch</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>2014 – 2015 MDS Batch</td>
<td>100%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2015 – 2016 MDS Batch</td>
<td>100%</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 31. Student progression

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Percentage against enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>2012-33%</td>
</tr>
<tr>
<td></td>
<td>2013-33%</td>
</tr>
<tr>
<td></td>
<td>2014-nil</td>
</tr>
<tr>
<td></td>
<td>2015-33%</td>
</tr>
<tr>
<td></td>
<td>2016-none</td>
</tr>
</tbody>
</table>

#### 32. 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>

#### 33. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

- Dr. Shaila M - completed and awarded Ph.D from NITTE university on 17/09/16.
- Prof(Dr.) Harishchandra Rai pursuing Ph.D from Pacific University, Udaipur
- Dr. Anitha Dayakar pursuing Ph.D from NITTE university
34. Present details of departmental infrastructural facilities with regard to

1. Library
   a) No. of books – 56
   b) No. of titles- 33

2. Internet facilities for staff and students ----Wifi connection available

3. Total number of class rooms---5 theory classrooms with audio visual aids are available. For PG s, an AC seminar hall is present with ICT facility.

4. Class rooms with ICT facility--- All classrooms are with audiovisual aids.

5. Students’ laboratories

   - Well equipped Immunohistochemistry lab with incubator, refrigerator and other apparatus
   - Well equipped Microbiology Lab with incubator, hot air oven, petridishes.
   - Well equipped Haematology lab with instruments for estimation of Random Blood Sugar, Erythrocyte sedimentation rate, Haemoglobin estimation, Peripheral blood smear and centrifuge.
   - Pathology laboratory with processing unit, hot air oven, semiautomatic microtome, slide warming table
   - Microwave oven for quick tissue processing.
   - Preclinical lab for carving demonstration and regular laboratory accommodating 40 students.
   - Laboratory with 90 compound light microscopes for slide discussion of oral histology & pathology.

6. Research laboratories - 1

The department laboratory is well equipped with:

   - Compound microscopes (Total-15), one each allotted to postgraduates & staff.
   - Olympus trinocular research microscope model cx41 with bright field, phase contrast, polarizer, dark field and digital micro photography septase:
   - Penta head attachment for cx41 research microscope.
   - LCD Television for slide discussion of postgraduates.
   - Computer with color printer & scanner.

35. List the distinguished alumni of the Department

   a. Dr.Mahesh- Senior Lecturer, RVS Dental College, Coimbatore.
   b. Dr.Vivek-General Practitioner
   c. Dr.Lubna Nazneen-General Practitioner
   d. Dr.Suhasini.PD-General Practitioner
   e. Dr.Rajalekshmi-General Practitioner
36. Details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

1. Triple O symposium in July 2012 conducted at KVG Dental College and Hospital
2. CDE on “Forensic odontology: Clues of Yesterday, evidence for tomorrow” on 27/03/14 conducted at KVG Dental College and Hospital with Prof(Dr.) Ashith Acharya, HOD Dept of Forensic Odontology, SDM Dharward as guest speaker.
3. Workshop on “Immunohistochemistry: An Advice” on 19/02/16 at KVG Dental College with Dr. Nirmala Rao, Prof & Dean of MCODS Manipal, Dr. Urmila Khadiankar Prof, Department of Pathology, KMC Mangalore and Mr. Sridhar L, CEO nucleus Technologies, Bangalore as guest speaker.
4. CDE on “Biopsy: experience & expectations” on 26/07/16 at KVG Dental College with Dr. Muraleemohan Choonthar, HOD, Dept. Oral & Maxillofacial Surgery, A.B Shetty Memorial Dental College & Dr. Dinkar Desai prof, Dept. of Oral Pathology, A.J. Institute of Dental Sciences as guest speakers.

37. Participation of students and faculty in extension activities

- The faculties and students participate regularly in weekly screening and treatment, field visit and dental camps.
- Chairing various scientific sessions by faculty, Scientific paper & poster presentation by faculty & post graduate students at national and state conferences are as follows:

1. **Prof(Dr.) Harishchandra Rai:**
   - Participation and contributing as chairperson during the scientific paper session in XXI National conference of IAOMP at Bambolin, Goa. Oct, 2012
   - Participation and contributing as Chairperson during the scientific paper session in 40th Karnataka state dental conference at B.C Road, Bantwal. Dec 2012
   - Chairing scientific session on “Tissue Microarray” at Yenapoya dental college & hospital, Mangalore on 8/03/14
   - Chairing scientific session at 41st KSDC conference held in Madikeri from 22/11/13 to 24/11/13
   - As chairperson during the scientific paper session in 43rd KSDC conference held at B.C. road, Dec 2016

**Paper presentations:**
- Paper presentation during the scientific paper session in 40th Karnataka state dental conference at B.C Road, Bantwal. Dec 2012
Coauthored for Dr. Lubna Nazneen for Paper presentation at 41st KSDC Conference held at Madikeri (22-11-13 to 24-11-13) Topic “Case presentation on PLGA.”

Coauthored for Dr. Mahesh Rao for Paper presentation at 41st KSDC Conference held at Madikeri (22-11-13 to 24-11-13) Topic “Clinicopathologic correlation of Oral Squamous cell carcinoma with age, sex, site and habits of the patient.”

Coauthored for Dr. Suhasini PD for Paper presentation on the topic “Radicular cyst turning to SOT” at 43rd KSDC Conference, BC Road December 2015

Coauthored for Dr. Rajalekshmi. V for Paper presentation on the topic ”Dental Stem Cells” at 43rd KSDC Conference, BC Road December 2016.


Coauthored for Dr. Supriya. H for Paper presentations: A key to diagnosis: Biopsy – an overview at 43rd KSDC Conference, BC Road December 2015.

Coauthored with Dr. Sreejyothi. HK for Paper presentation 43rd KSDC CONFERENCE held at B.C.Road from 18-12-2015 to 20-12-2015. Topic: “Gene Therapy For Oral Squamous Cell Carcinoma: A Promising Future.”

Coauthored with Dr. Sreedevi for Paper presentation at 43rd KSDC CONFERENCE held at B.C.Road from 18-12-2015 to 20-12-2015. Topic: “Immunohistochemistry”

Poster presentations:

Coauthored for Dr. Lubna Nazneen for Poster presentation at XXI IAOMP National conference held at Goa (26-10-12 to 28-10-12) Topic: “Tooth Morphogenesis: Unveiling Genes & molecules behind it”

Coauthored for Dr. Mahesh Rao for Poster presentation at XXI IAOMP National conference held at Goa (26-10-12 to 28-10-12) Topic: “Focal cemento-osseous dysplasia vs cemento-ossifying fibroma- a diagnostic dilemma.”

Coauthored for Dr. Vivek Javagal for Poster presentation at XXI IAOMP National conference held at Goa (26-10-12 to 28-10-12) Topic: “Nanobiosensors: A big role in Oral Cancer detection”

Coauthored for Dr. Suhasini PD for Poster presentation on the topic “Migration of neural crest cells for the development of oral structure at 41st KSDC Conference held at Madikeri (22-11-13 to 24-11-13)

Coauthored for Dr. Suhasini PD for Poster presentation on the topic” Anatomical perspective of tooth: A tool for identity” at IAFO Conference, Mysuru October 2015
Coauthored for Dr.Rajalekshmi.V for Poster presentation on the topic “Biopsy awareness among general dental practitioners “at 41st KSDC Conference held at Madikeri (22-11-13 to 24-11-13)

Coauthored for Dr.Rajalekshmi.V for Poster presentation on the topic “DNA from dental pulp: a light at end of tunnel “at IAFO Conference, Mysuru October 2015

Coauthored for Dr.Supriya.H for Poster: Tooth for truth at 41ST KSDC Conference at Madikeri ,September 2013.

Coauthored for Dr.Supriya.H for Poster presentation on Dental stem cells –A promising tool of future at National PG convention , Kolkatta , July 2014

Coauthored for Dr.Supriya.H for poster presentation on DNA from dental pulp: a light at end of tunnel at IAFO Conference, Mysuru October 2015

Coauthored with Dr.Sreejyothi.HK for Poster presentation at XXI IAOMP National conference held at Bangalore (28-11-14 to 30-11-14 )-Topic: “Touch Imprint Cytology And Frozen Section:As an Intra operative Diagnostic tool.”

Coauthored with Dr.Sreejyothi.HK for Poster presentation at XV P.G Convention held at Vadodara from 10-07-15 to 11-07-15 .-Topic: “Role of Human Papilloma Virus in Oral Cancer”

Coauthored with Dr.Sreejyothi.HK for Poster presentation at International Symposium on “ Head & Neck tumours” held at Manipal college of dental science,Manipal from 3-10-2015 to 04-10-2015.-Topic : “Spontaneous Regression Of Cancer : A Miracle”.

Coauthored with Dr.Sreedevi for Poster presentation at XXI IAOMP National conference held at Bangalore (28-11-14 to 30-11-14 )Topic: “PCR – A Molecular key in diagnosis of oral disease”

Coauthored with Dr.Sreedevi for Poster presentation at International Symposium on “ Head & Neck tumours” held at Manipal college of dental science,Manipal from 3-10-2015 to 04-10-2015. Topic: “Case report on Papillary squamous cell carcinoma”

Coauthored with Dr.Elizabeth Sojan for Poster presentation at” International symposium on head and neck tumors-Translation from cancer biology to cancer medicine” on 3rd and 4th october 2015 organised by Department of Oral pathology and Microbiology at Manipal college of Dental sciences, Manipal.topic-“cancer stem cells “-a breakthrough in cancer therapy

Coauthored with Dr.Elizabeth Sojan for Poster presentation at 43rd Karnataka State Dental Conference on 18th-20th December 2015 at B.C road hosted by Puthur branch.Topic- “Newer diagnostic aids in potentially malignant disorders.”
2. Prof(Dr.) Shaila. M:

- Chaired a scientific session in the 40th Karnataka state dental conference-B.C road held from 30th-2nd December 2012

  **Paper Presentation:**
  - 33RD Annual conference of Indian association of biomedical scientists (IABS) in Deralakatte from November 1, 2012. The theme of the conference is 'Recent trends and advances in biomedical research - an integrated approach.' Paper presentation – Reliability of epithelial cells to detect dysplasia.
  - 40th Karnataka state dental conference held at HOTEL RANGOLI, B. C road, Bantwal on November 30th, December 1st and 2nd - 2012. Paper presentation – GENERAL DENTAL PRACTITIONERS PERSPECTIVE – ORAL CANCER SCREENING.
  - 41 Karnataka state dental conference held at Hotel Crystal Court, Madikeri, Nov 22-24, 2013. Presented paper. NEW APPROACH FOR DIAGNOSING DYSPLASIA IN ORAL POTENTIALLY MALIGNANT DISORDERS
  - Scientific paper presentation titled oral exfoliated cells in oral cancer detection during the “INTERNATIONAL SYMPOSIUM ON HEAD AND NECK TUMORS-TRANSLATION FROM CANCER BIOLOGY TO CANCER MEDICINE” organized on 3rd and 4th October 2015 by the department of oral pathology and microbiology at Manipal college dental sciences, Manipal.
  - Co-authored along with Dr. Sreejyoti. Scientific paper presentation titled SPONTANEOUS REGRESSION OF CANCER: A MIRACLE during the “INTERNATIONAL SYMPOSIUM ON HEAD AND NECK TUMORS-TRANSLATION FROM CANCER BIOLOGY TO CANCER MEDICINE” organized on 3rd and 4th October 2015 by the department of oral pathology and microbiology at Manipal college dental sciences, Manipal.

  **Poster presentations:**

3. Dr. Anitha Dayakar:

- Chairing scientific paper presentation session at 40th Karnataka state dental conference held on 30th November-2nd December 2012 at B.C road.
- Chairing scientific paper session in 43rd KSDC conference at B.C road, Bantwal held in December 2015
Poster presentations:

- Poster presentation during the “INTERNATIONAL SYMPOSIUM ON HEAD AND NECK TUMORS- TRANSLATION FROM CANCER BIOLOGY TO CANCER MEDICINE” organized on 3rd and 4th October 2015 by the department of oral pathology and microbiology at Manipal college of dental sciences, Manipal.

- Co authored –along with Dr. Elizabeth scientific poster presentation titled “CANCER STEM CELLS “-A BREAKTHROUGH IN CANCER THERAPY during the “INTERNATIONAL SYMPOSIUM ON HEAD AND NECK TUMORS-TRANSLATION FROM CANCER BIOLOGY TO CANCER MEDICINE” organized on 3rd and 4th October 2015 by the department of oral pathology and microbiology at Manipal college of dental sciences, Manipal.

Paper presentations:

- Presented a Scientific paper on “Canalicular Adenoma” at National IAOMP conference held at Goa from 27-29 October 2012

- Scientific Paper presentation “ Stem cells- Back to the future” during 40th Karnataka State Dental Conference held on 30th November-2nd December 2012 at B.C. Road, Bantwal.

- Guided PG student Dr. Sreejyothi for Paper Presentation at XIV IAOMP National PG Convention Organized by Dr. R. Ahmed Dental College and Hospital, Kolkata held on 19th and 20th July, 2014

4. Dr. Charan Kaje:

- As chairperson during the scientific paper session in 40th state dental conference held at B.C road in December 2012.
- As chairperson during the scientific paper session in 41st state dental conference held at Madikeri in November 2013.
- As chairperson during the scientific paper session in 42nd state dental conference held at Mangalore in November 2014
- As chairperson during the scientific paper session in 43rd state dental conference held at B.C road December 2015.

5. Dr. Supriya.H:

Paper presentations

- Title: Enigmatic odontogenic tumor –a case report at IAOMPA Conference, Bengaluru November 2014
• **Title**: A key to diagnosis: Biopsy – an overview at 43rd KSDC Conference, BC Road December 2015

**Poster presentations:**

• Title: Tooth for truth at 41st KSDC Conference at Madikeri, September 2013.

• Title: Dental stem cells – A promising tool of future at National PG convention, Kolkatta, July 2014

• Title: DNA from dental pulp: a light at end of tunnel at IAFO Conference, Mysuru October 2015

**Paper & Poster presentations by postgraduates.**

1. Dr. Lubna Nazneen

• Poster presentation at XXI IAOMP National conference held at Goa (26/10/12 to 28/10/12) Topic: “Tooth Morphogenesis: unveiling Genes & molecules behind it”

• Paper presentation at 41st KSDC Conference held at Madikeri (22/11/13 to 24/11/13) Topic: “Case presentation on PLGA”

2. Dr. Mahesh Rao

• Poster presentation at XXI IAOMP National conference held at Goa (26/10/12 to 28/10/12) Topic: “Focal cemento-osseous dysplasia vs cemento-ossifying fibroma- a diagnostic dilemma.”

• Paper presentation at 41st KSDC Conference held at Madikeri (22/11/13 to 24/11/13) Topic: “Clinicopathologic correlation of Oral Squamous cell carcinoma with age, sex, site and habits of the patient.”

3. Dr. Vivek Javagal

• Poster presentation at XXI IAOMP National conference held at Goa (26/10/12 to 28/10/12) Topic: Nanobiosensors: A big role in Oral Cancer detection”

• Paper presentation at 41st KSDC Conference held at Madikeri (22/11/13 to 24/11/13) Topic: A comparative study of glycogen positive cells in buccal smears of type 2 diabetes patients

4. Dr. Suhasini PD

• Poster presentation on the topic “Migration of neural crest cells for the development of oral structure at 41st KSDC Conference held at Madikeri (22/11/13 to 24/11/13)

• Poster presentation on the topic” Anatomical perspective of tooth: A tool for identity” at IAFO Conference, Mysuru October 2015

• Paper presentation on the topic “Radicular cyst turning to SOT” at 43rd KSDC Conference, BC Road December 2015

5. Dr. Rajalekshmi V
• Poster presentation on the topic “Biopsy awareness among general dental practitioners “at 41st KSDC Conference held at Madikeri (22/11/13 to 24/11/13)
• Poster presentation on the topic “DNA from dental pulp: a light at end of tunnel “at IAFO Conference, Mysuru in October 2015
• Paper presentation on the topic ”Dental Stem Cells” at 43rd KSDC Conference, BC Road on 20/12/15.

6. Dr.Supriya.H:
• Poster: Tooth for truth at 41ST KSDC Conference at Madikeri ,September 2013.
• Poster : Dental stem cells –A promising tool of future at National PG convention , Kolkatta , July 2014
• Poster : DNA from dental pulp: a light at end of tunnel at IAFO Conference, Mysuru October 2015
• Paper presentations: Enigmatic odontogenic tumor –a case report at IAOMPA Conference , Bengaluru November 2014
• Paper presentations : A key to diagnosis: Biopsy –an overview at 43rd KSDC Conference, BC Road December 2015

7. Dr.Sreejyothi.HK
• Poster presentation at XXI IAOMP National conference held at Bangalore (28-11-14 to 30-11-14 ) -Topic: “Touch Imprint Cytology And Frozen Section:As an Intra operative Diagnostic tool.”
• Poster presentation at XV P.G Convention held at Vadodara from 10-07-15 to 11-07-15 -Topic: “Role of Human Papilloma Virus in Oral Cancer”
• Poster presentation at International Symposium on “ Head & Neck tumours” held at Manipal college of dental science,Manipal from 3-10-2015 to 04-10-2015.-Topic : “Spontaneous Regression Of Cancer : A Miracle”.
• Paper presentation 43rd KSDC CONFERENCE held at B.C.Road from 18-12-2015 to 20-12-2015.-Topic: “Gene Therapy For Oral Squamous Cell Carcinoma-A Promising Future.”

8. Dr.Sreedevi
• Poster presentation at XXI IAOMP National conference held at Bangalore (28-11-14 to 30-11-14 )Topic: “PCR – A Molecular key in diagnosis of oral disease”

- Paper presentation at 43rd KSDC CONFERENCE held at B.C.Road from 18-12-2015 to 20-12-2015. Topic: “Immunohistochemistry”

9. Dr. Elizabeth Sojan:

- Poster presentation at” International symposium on head and neck tumors-Translation from cancer biology to cancer medicine” on 3rd and 4th October 2015 organised by Department of Oral pathology and Microbiology at Manipal college of Dental sciences, Manipal. Topic-“cancer stem cells “-a breakthrough in cancer therapy

- Poster presentation at 43rd Karnataka State Dental Conference on 18th-20th December 2015 at B.C road hosted by Puthur branch. Topic- “Newer diagnostic aids in potentially malignant disorders.”

38. Highlighting the contributions of the department in generating new knowledge, basic or applied.

Staff members publish scientific papers and do presentations in state level and national conferences.
Department has been training the interns in exfoliative cytology and basic staining techniques.
DEPARTMENT INFRASTRUCTURE

Research laboratory with Penta Head Microscope

Research laboratory with LCD Television connected to microscope and other facilities like computer, printer and scanner.
Pathology Laboratory for Tissue fixation, processing and staining.

Immunohistochemistry lab
Well furnished Seminar room accommodating 15 students at a time with LCD screen & OHP projector

Department Museum with specimens
Well equipped Department library

Post graduate study room
Routine procedures of the Department

Grossing Demonstration with Prof.(Dr.) Harishchandra Rai

Discussion & reporting with Prof.(Dr.) Harishchandra Rai
- Discussion & reporting with Prof( Dr.) Shaila .M

- Discussion & reporting with Dr. Anitha Dayakar
Discussion & reporting with Dr. Gaurav Ghosh

Clinical case discussion with Prof(Dr.) Harishchandra Rai
Clinical case discussion with Dr. Anitha Dayakar.
Diagnostic procedures done in the department

- Cytological Smear
- Biopsy
- FNAC
- Blood investigations
  - Peripheral Smear
  - Total RBC & W.B.C count
  - Differential count
  - PCV
  - Bleeding Time
  - Clotting time
  - Hb Estimation
  - Random blood sugar
  - ESR

Postgraduates performing Fine needle aspiration cytology
Preparation of Cytology smear by interns.

Postgraduates doing Blood Investigations
• Postgraduate students Dr. Vivek & Dr. Rajalekshmi doing IHC Investigations
• Postgraduate student Dr. Supriya doing microbiology laboratory work

• Technician Mr. Raghav doing laboratory work with intern
- Technician Mr. Shivaprasad doing laboratory work with intern

- Attender Mr. Doddaya doing sterilization procedure
Symposium on “Oral cancer” conducted by Dept. of Oral pathology, Oral maxillofacial surgery and Oral Medicine on 27/09/12
Dr. Anitha Dayakar giving lecture.

Faculty members who delivered lecture in Triple O Symposium.
• The Dental exhibition conducted on behalf of oral hygiene day on 2\textsuperscript{nd} Aug 2013.

• Dr. Anitha Dayakar & PG students Dr. Vivek & Dr. Mahesh receiving 2\textsuperscript{nd} prize for oral hygiene day exhibition 2013.
Dental Technician, Mr. Shivaprasad introducing the advanced diagnostic equipments to students.

PG student Dr. Suhasini educating school children on oral hygiene habits.
• Prof. Dr. Harishchandra Rai, HOD, Dept. of Oral Pathology & Microbiology delivered the welcome address.

• Chief guest Prof (Dr). Ashith Acharya inaugurating the function by lighting the lamp.
Dr Ashith Acharya delivered a informative talk on Forensic odontology and its application in medicolegal cases.

Faculty members & postgraduates with the chiefguest.
Prof(Dr.) Harishchandra Rai welcoming the gathering.

Inauguration by lighting the lamp
Dr. Urmila Khadilkar delivered a lecture on “IHC IN SMALL ROUND CELL TUMORS OF HEAD & NECK”.

Talk by Dr. Nirmala Rao on “IHC IN ORAL DIAGNOSIS”
Hands on workshop guided by Mr. Sridhar L demonstrating IHC procedures & staining.

Delegates performing IHC staining
Rural Dental Camp conducted on 27.03.16

- Rural Dental Camp was conducted by the department in collaboration with Dept. of Oral Medicine & Radiology & Dept. of Oral & Maxillofacial Surgery on 27.03.16 in Ujire.
- Screening of local population of Ujire was carried out.
- Dr. Anitha Dayakar delivered oral cancer awareness talk on the occasion.

Dr. Anitha Dayakar doing screening for local population of Ujire.
Faculty members with chief guests of the day, Prof (Dr.) Muralimanohar Choontar & Prof (Dr.) Dinakar Desai.

Dr. Anitha Dayakar introducing the guest speaker Prof (Dr.) Dinakar Desai.
Talk by Prof(Dr.) Muralimanohar Choontar

Talk by Prof(Dr.) Dinakar Desai
Principal, Prof( Dr.)Moksha Nayak visiting the department exhibition.

Postgraduate students, Dr.Sreejyothi and Dr.Elizabeth educating students.
Interns educating the students.