

Evaluative Report of Department of Oral and Maxillofacial Pathology

NAME OF THE DEPARTMENT: Department of Oral and Maxillofacial Pathology

1. **Year of establishment:** 1992
2. **Is the Department part of a college / Faculty of the University?**
The Department of Oral and Maxillofacial Pathology is an integral part of D A Pandu Memorial R V Dental College and Hospital which in turn is affiliated to Rajiv Gandhi University of Health Sciences, Bangalore
3. **NAMES OF PROGRAMMES OFFERED (UG, PG, PHARMD, INTEGRATED MASTERS;M.PHIL, PH.D, INTEGRATED PH.D, CERTIFICATE, DIPLOMA, PG DIPLOMA, D.M./M.CH., SUPER SPECIALITY FELLOWSHIP, ETC.):**
 - Undergraduate programme: Bachelor of Dental Surgery [BDS]
 - Postgraduate programme: Master of Dental Surgery [MDS] in Oral Pathology & Microbiology
4. **Interdisciplinary programmes and departments involved:**
 - a) *Clinico-Pathologic meetings:*
The Department participates in Clinico-pathologic meetings with the Departments of:
 - Oral Medicine and Radiology
 - Oral and Maxillofacial Surgery
 - Periodontics
 - Pedodontics
 - Conservative dentistry and EndodonticsThese meetings involve interaction between faculty as well as postgraduate students of the departments and case discussions.
 - b) *Posting of postgraduate students in departments of:*
 - Oral Medicine and Radiology
 - Oral and Maxillofacial Surgery of D.A.P.M. R.V.Dental College & Hospital
 - c) *Postgraduates attend basic science classes taken by medical faculty*
 - d) *Posting of postgraduate students in*
 - *Sevakshetra Hospital, Bangalore*
 - *Dental camps in & around Bangalore.*
 - *Higher centres of learning e.g. St John's Hospital, Kidwai Memorial institution, NIMHANS, Bangalore.*
 - e) *Posting of interns in*
 - *Sevakshetra Hospital, Bangalore*
 - *Dental camps in & around Bangalore.*
 - f) *Assisting post graduate of other departments in their dissertation and short term studies*
5. **Courses in collaboration with other universities, industries, foreign institutions etc.:** Nil

6. Details of programs discontinued, if any, with reasons – None

7. Examination system:

- Annual examination system is followed, in accordance with the guidelines of Dental Council of India [DCI] and Rajiv Gandhi University of Health Sciences [RGUHS], Karnataka.
- For Undergraduates course (BDS), Annual examination pattern is followed
The examinations include :
 - Three internal assessment examinations for periodic assessment
 - One annual university examination
 Both internal assessment and university examinations consist of:
 - Written paper
 - Viva Voce
 - Practical assessment
- For Postgraduate course (MDS), Examination is conducted at the end of 3 years
 - Year end examination is conducted at the department level
 University examinations (UG & PG) consist of:
 - Written paper (Theory)
 - Viva Voce
 - Practical assessment

8. Participation of the department in the courses offered by other departments:

The faculty of our department attended continuing dental education programmes, workshops (including FAIMER, TOT) and enrichment courses conducted by other departments.

9. Number of teaching posts sanctioned, filled and actual:

	SANCTIONED	FILLED	ACTUAL (INCLUDING CAS & MPS)
Professor	01	01	01
Associate Professor / Reader	02	03	03
Assistant Professor	Nil	-	-
Lecturer	01	-	-
Tutor /Clinical instructor	Nil	-	-

10. Faculty Profile With Name, Qualification, Designation, Area Of Specialization, Experience And Research Under Guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr Veerendra	MDS	Professor and Head	Oral Pathology &	16years 8 months

Kumar B		of the department	Microbiology	
Dr Suma S	MDS	Reader	Oral Pathology & Microbiology	7years 9months
Dr Sarita Y	MDS	Reader	Oral Pathology & Microbiology	7years 9months
Dr Madhura M G	MDS	Reader	Oral Pathology & Microbiology	7years 4 months

11. List of senior visiting fellow, adjunct faculty, emeritus professors: Not applicable

12. Percentage of classes taken by temporary faculty- program-wise information
Not applicable

13. Programme-Wise Student Teacher Ratio:

PROGRAMME	YEAR	SUBJECT	NO. OF STUDENTS	NO. OF TEACHERS	STUDENT - TEACHER RATIO
UNDERGRADUATE [BDS]	I BDS	Oral anatomy and histology (including physiology and embryology)	60	04	15:1
	II BDS	Oral Pathology and Microbiology	60	04	15:1
	III BDS	Oral Pathology and Microbiology	60	04	15:1
POSTGRADUATE [MDS]	MDS	Oral Pathology and Microbiology	03	04	1:1

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

	Sanctioned	Filled	Total
Lab technician	2	2	4
Lab assistant	1	1	
Administrative staff	Nil	1	
Support staff (attender)		1	

15. Research thrust areas as recognized by major funding agencies : Nil

16. 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:

NIL

17. Inter-institutional collaborative projects and associated grants received:NIL

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

The department in collaboration with Department of Oral Medicine and Radiology has conducted a project titled “The role of curcumin on the expression of COX-2 and TGF beta in oral submucous fibrosis- A clinical trial.” The project has thus received grants from the following agencies:

Agency	Amount
Rajiv Gandhi University of Health Sciences	Rs. 75,000/-
Rashtreeya Sikshana Samiti Trust	Rs 75,000/-

19. Research facility / centre with

State recognition - Nil
 National recognition - Nil
 International recognition -Nil

20. Special research laboratories sponsored by / created by industry or corporate bodies:

NIL

21. Publications :

- Number of papers published in peer reviewed journals (last four years)
- ✓ National -16
- ✓ International -1
- Monographs- Nil
- Chapters in books – Dr. Veerendra Kumar B has provided picture credits in one book
- Books edited- Nil
- Books with ISBN with details of publishers-Picture credits were provided for a book titled “Diagnostic Oral Medicine “ Published by Wolters Kluver ,ISBN no: 9788184732658
- Number listed in International data base (For eg. Web of science,Scopus Humanities,International Complete,Dare Database-International Social sciences Directory ,EBSCO host, Medline etc)-6
- Citation index- average/ range

Name of faculty	Citation index
Dr. Veerendra Kumar B	1
Dr. Suma S	1
Dr. Sarita Yanduri	
Dr. Madhura MG	

- SNIP
- SJR
- Impact factor- average/range
- h- index
- Citation Index

Journal Name	SNIP	SJR	IMPACT FACTOR	h-index
Indian Journal of dental advancements	-	-		
Journal of Indian Academy of Dental Specialists	-	-		
RGUHS Journal of Dental Sciences	-	-		
Journal of Pierre Fauchard Academy	-	-		
Indian Journal of Dental Research	2009-0.617 2010-0.45 2011-0.645	2009-0.215 2010-0.197 2011-0.236	2011- 0.711	14
International Journal of Clinical Dental Sciences	-	-		
Karnataka State Dental Journal	-	-		

22. Details of patents and income generated: Nil

23. Areas of consultancy and income generated:

- Our department receives biopsy specimens from private clinics for which diagnosis is done. The processing of cases is done free of cost for the benefit of patients.
- Post graduates from other institutions will be paying nominal fee towards services used in the department for their research work.

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

One faculty (**Dr Madhura M G**) was

- **Deputed** to Visit ‘National Institute of Nutrition’ (NIN) and ‘Centre for Cellular & Molecular Biology’ (CCMB), Hyderabad on 13th and 14th March 2012 for Research collaboration between these institutes and DAPM R V Dental College & Hospital, Bangalore

- **Deputed** to Visit ‘National Ayurveda Dietetics Research Institute, Bangalore ’ (NADRI - B) , on 17th May 2012 for Research collaboration between this institute and DAPM R V Dental College & Hospital, Bangalore

Another faculty (**Dr Suma S**) was

- **Deputed** with other institutional faculty to visit Chemistry and Microbiology departments in NMKRV college for women and SSMRV degree college in Mar – Apr 2011

25. Faculty Serving In

- a) **National committees** b) **International committees** c) **Editorial Boards** d) **Any other (specify)**

a) Faculty serving in National Committees:

Faculty	Role / National Committee
Dr. Veerendra Kumar B, Professor and Head	Fellow of General Academy of Higher Education, Manipal (FAGE)
	Founder Member of Indian Academy of Orofacial Genetics
	Executive committee member of Indian Dental Association, (IDA) Bangalore branch. (2002 – 2006,2010, 2011)
	Currently Vice President of IDA, Bangalore branch
	Currently Hon. Assistant Secretary of IDA, Karnataka State Branch
	Ex- Honorary Treasurer, IDA, Bangalore Branch
	Life member, Indian Dental Association
	Life member, Indian Association of Oral and Maxillofacial Pathologists
	Life Member, Indian Academy of Aesthetic and Cosmetic Dentistry.
	Life member, Indian Society of Oral Implantologists.
	National Co-ordinator for Scientific Committee, National “OOO” CDE, conducted by SGT Dental College, Hospital and Research Centre, Gurgaon in association with AIIMS, New Delhi, on 5 th – 6 th April 2013
	Executive committee member of Indian Academy of Oral & Maxillofacial Pathology
	Member of Conference Organising Committee for 23 rd National IAOMP Conference at Bangalore, 2014
Dr. Suma S, Reader	Life member, Indian Association of Oral and Maxillofacial Pathologists
	Life Member, Indian Dental Association (IDA)
	Life member, VaidyaKalaranga
	Life member, Indian Academy of Aesthetic and Cosmetic Dentistry
	Member of Conference Organising Committee for 23 rd National IAOMP Conference at Bangalore, 2014
Dr. Sarita Y, Reader	Life member, Indian Association of Oral and Maxillofacial Pathologists
	Life Member, Indian Dental Association (IDA)
	Member of Conference Organising Committee for 23 rd

	National IAOMP Conference at Bangalore, 2014
Dr. Madhura M G, Reader	Life member, Indian Association of Oral and Maxillofacial Pathologists (From 2006)
	Life Member, Indian Dental Association (IDA) (From March 2013)
	Life member of Karnataka Cancer Society (From May 2012)
	Life member, Vaidya Kalaranga (From 2008)
	Member of Conference Organising Committee for 23 rd National IAOMP Conference at Bangalore, 2014

b) Faculty serving in International Committees:

Faculty	Role / International Committee
Dr. Veerendra Kumar B, Professor and Head	Fellow of Pierre Fauchard Academy (USA)

c) Faculty serving in Editorial Board:

Faculty	Role / International Committee
Dr. Veerendra Kumar B, Professor and Head	Associate Editor, Indian Journal of Dental Advancements
	Reviewer, Bangalore Dental Journal, an official publication of the Indian Dental Association
	Member of Editorial Board, Karnataka State Dental Journal, an official publication of the Indian Dental Association
	Reviewer, RGUHS Journal of Dental Sciences, an official publication of the RGUHS, Karnataka
Dr. Suma S, Reader	Assistant editor, RGUHS Journal of Dental Sciences, an official publication of the RGUHS, Karnataka
	Reviewer, Journal of Oral and Maxillofacial Pathology, an official publication of the Indian Association of Oral and Maxillofacial Pathologists.
Dr. Sarita Y, Reader	Reviewer, RGUHS Journal of Dental Sciences, an official publication of the RGUHS, Karnataka
Dr. Madhura M G, Reader	Reviewer, RGUHS Journal of Dental Sciences, an official publication of the RGUHS, Karnataka
	Member of Editorial team for College magazine - 'PENDENT'

d) Others:

Faculty	Role / International Committee
Dr. Veerendra Kumar B, Professor and Head	Member of Board of Studies in Dental (UG) with effect from 31-07-2012 for a period of three years
	Team Member, Local Inquiry Committee, Rajiv Gandhi University of Health Sciences, Karnataka
	In panel of examiners of Kuvempu University, Bangalore University, Manipal Academy of Higher education (MAHE), RGUHS, JSS University
	Inspector, Dental Council of India

	Honorary Member, Institutional Review Board, D A Pandu Memorial R V Dental College & Hospital, Bangalore
	Head, Student Welfare Committee, D A Pandu Memorial R V Dental College & Hospital, Bangalore
Dr. Suma S, Reader	Member, Student Welfare Committee, D A Pandu Memorial R V Dental College and Hospital, Bangalore
	Master of Ceremonies for various scientific and cultural programmes in the institution and University
Dr. Sarita Y, Reader	Member of committee for Preclinical Studies at Dr.D.Y.Patil Dental College and Hospital.
	Served as verification officer at the Registration Evaluation Office of Rajiv Gandhi University of Health Sciences
	Member of Women Welfare Cell of DAPM RV Dental College
	Member, Student Welfare Committee, D A Pandu Memorial R V Dental College and Hospital, Bangalore
Dr. Madhura M G, Reader	Member, Student Welfare Committee, D A Pandu Memorial R V Dental College and Hospital, Bangalore (From 2013 till date)
	Master of Ceremonies for various scientific and cultural programmes in the institution and University (From 2008 till date)
	Staff Coordinator for various Cultural and literary events conducted by RGUHS (From 2008 till date)
	Member of Organizing Committee (Joint Secretary) for KALA-SHRUNGA – Intercollegiate Cultural and Literary meet held at D A Pandu Memorial R V Dental College organized by Rajiv Gandhi University of Health Sciences in association with D A P M R V Dental College from 3 rd to 5 th December 2007.
	Entertainment Co – Chairman for 29 th Annual Convention and CME Programme of KSMD on ‘Current Trends in the Diagnosis and Management of Common Clinical Problems’ on 27 th December 2008 at Bangalore Medical College, Bangalore
	Co – Ordinator for SAMAROH SAMARAMBH –Inter – state Youth exchange and home stay programme for Youth of North Eastern States at D A P M R V Dental College, Bangalore, on 30 th July 2008
	Member of Organizing committee in AMBARA – State level inter-collegiate Cultural Fest, September 2008, held at GDC&RI and D A P M R V Dental College, Bangalore
	Deputed to Visit ‘National Institute of Nutrition’ (NIN) and ‘Centre for Cellular & Molecular Biology’ (CCMB), Hyderabad on 13 th and 14 th March 2012 for Research collaboration between these institutes and DAPM R V Dental College & Hospital, Bangalore

	Deputed to Visit ‘National Ayurveda Dietetics Research Institute, Bangalore ’ (NADRI - B) , on 17 th May 2012 for Research collaboration between this institute and DAPM R V Dental College & Hospital, Bangalore
	Member, Library Advisory Committee, D A Pandu Memorial R V Dental College and Hospital, Bangalore (From 2013 till date)

26. Faculty recharging strategies (Refresher / Orientation programs, workshops, training programs and similar programs)

1. All faculty in the department constantly upgrade their knowledge by attending various enrichment programmes:
2. Hands-on Course on “Veneers- Using Light Cure Composites” held at R V Dental College, Bangalore, Karnataka, India, on 21st February 2003
3. Training as a Inspector, Dental Council of India
4. Training of Trainers Workshop in Educational Science and Technology held on 23rd to 25th June 2009 at D.A. Pandu Memorial R.V. Dental College and Hospital, Bangalore, Karnataka
5. Seminar on “Basic Life Support (BLS /CPR) Provider Programme” conducted by Paramedics Research Institute for Management of Emergencies (PRIME) at D.A. P.M R.V Dental College, Bangalore held on 15th and 16th Feb, 2010.
6. Pre-conference course on “Photography in Dentistry”, on 29th Nov 2012 , 40th Karnataka State Dental Conference, A J Institute of Dental Sciences, Mangalore
7. Pre-conference course on “Giving hope to hopeless teeth – Rotary Endodontics”, on 30th Nov 2012 , 40th Karnataka State Dental Conference, Manipal College of Dental Sciences, Mangalore
8. Training of Trainers Workshop for the Faculty of Dentistry in Educational Science and Technology, held from 22nd – 25th September, 2008 at Bangalore Medical College & Research Institute, Bangalore.
9. Fire drill at DAPM RV Dental College, Bangalore on 24th January 2009.
10. Training in Immunohistochemistry, muscle & nerve histochemistry, basics of neuropathology; in Department of Neuropathology, NIMHANS, Bangalore, 20th April to 19th May 2009
11. Demonstration of electron microscopy (including tissue processing & ultramicrotomy), cryofixation & cryosectioning, and Fluorescent in situ Hybridization in Department of Neuropathology, NIMHANS, Bangalore, 20th April to 19th May 2009
12. Basic Life Support / CPR provider programme, conducted by PRIME, CTC, 15th – 16
13. Workshop in ‘Innovations in Medical / Dental Education’ by FAIMER faculty, on 19th – 20th August 2011, D A P M R V Dental College, Bangalore
14. Training workshop on Tobacco Cessation counselling for dental professionals [RGUHS & NIMHANS) 10th – 11th July, 2012 at D A P M R V Dental College, Bangalore

15. CDE and Hands on Courses on “ Advances in Forensic odontology “ on 25th and 26th July 2013 conducted by MS Ramiah Dental College, Bangalore
16. Faculty Development programme on “ Guidelines for developing a research proposal held at Dept of Business management ,DY Patil university, Navi Mumbai on 20th May 2008.
17. Attended Training of Trainers programme for Dental college teachers organized by Rajiv Gandhi University of health sciences in association with D A Pandu Memorial R V Dental College, Bangalore, 23rd-25th June 2009.
18. Basic life support provider programme conducted at DAPM RV Dental College ,Bangalore on 15th and 16th February 2010.
19. Hands on training on ‘Immunohistochemistry and other Histotechniques’, from 18th March to 17th April 2009 in the Dept of Neuropathology, NIMHANS, Bangalore.
20. Training in “ Immunohistochemistry” at Triesta Reference Laboratory ,HCG, Bangalore on 20th April 2010.
21. Orientation programme for MDS Course conducted by Rajiv Gandhi University of Health Sciences at Bangalore on 28th and 29th July 2010.
22. Workshop on Medical /Dental Education by FAIMER held at D A P M R V Dental College, Bangalore on 19th and 20th August 2011.(8 credit points)
23. **Diploma course** on “Recombinant DNA Technology and Genetic Engineering” at Wingene Biotech Research Labs (R), 21st Aug – 24th Sep 2008, Bangalore
24. Demonstration and training in use of Research Microscope , 10-12-2007
25. Training in use of Image Analysis software, Jan 2008
26. Training of Trainers Workshop for Dental college teachers in Educational Science and Technology organized by Rajiv Gandhi University of health sciences in association with D A Pandu Memorial R V Dental College & Hospital, Bangalore, 25th Feb – 27th Feb 2009
27. Hands on training on ‘Immunohistochemistry and other Histotechniques’, from 18th March to 17th April 2009 in the Dept of Neuropathology, NIMHANS, Bangalore
28. Demonstration of electron microscopy (including tissue processing & ultramicrotomy), cryofixation & cryosectioning, in the Department of Neuropathology, NIMHANS, Bangalore, 18th March to 17th April 2009
29. Preconference course on ‘Use of Problem based learning in Dental education’ at the 35th National Conference of the Indian Society of Periodontology held at NIMHANS Convention Centre, Bangalore on 27th October 2010
30. Preconference Course on ‘Writing & designing of the Research Projects and applying to various funding agencies including ICMR’, conducted by ICMR Faculty at 20th National Conference of Indian Association of Oral and Maxillofacial Pathologists, 18th – 20th Nov 2011 at Hyderabad, Andhra Pradesh. **(6 Credit Points)**
31. Training workshop on Tobacco cessation counselling for dental professionals at DAPM R V Dental College, Bangalore on 10th & 11th July 2012

27. Student projects:

- **Percentage of students who have taken up in-house projects including interdepartmental projects:**
 - a. 100% undergraduate and postgraduate students have taken up in-house short term research projects.
- **Percentage of students doing projects in collaborations with other universities / industry / institute : Nil**

28. Awards / recognitions received at the national and international by :

Faculty : - 2 faculty have received awards at State level conferences :

Dr. Suma S: Best paper award: Aetiology of temporomandibular disorders: Not quite an open and shut case! 38th Karnataka State Dental Conference and FDI-IDA CDE 2010, 19th-21st November, 2010, Bangalore

Dr. Madhura MG : Best Paper award : “ Dentinal Changes in Attrition and Abrasion – A Combined Light and Scanning Electron Microscopic Study” at FDI – IDA CDE 2010 and the 38th Karnataka State Dental Conference from 19th – 21st November 2010, at Jnana Jyothi Auditorium, Bangalore

- **Doctoral /post doctoral fellows-** Nil
- **Students – Nil**

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

Nil

30. Code of ethics for research followed by the departments :

As per RGUHS & ICMR

31. Student profile program-wise:

	DENTAL ANATOMY AND DENTAL HISTOLOGY (DADH)					ORAL PATHOLOGY				
	2009	2010	2011	2012	2013	2009	2010	2011	2012	2013
Total number of students appeared for the exam	128	74	75	56	69	93	50	40	47	74
Total number of MALE students appeared	48	15	27	21	18	34	14	13	11	21

Total number of FEMALE students appeared	80	59	48	35	51	59	36	27	36	53
Total pass percentage (%)	78.9	85.1	78.7	89.3	79.7	92.5	90	90	97.9	94.6
Pass percentage of MALE students (%)	79.2	93.3	66.7	85.7	55.56	88.2	92.2	84.6	90.9	90.5
Pass percentage of FEMALE students (%)	78.8	83.1	85.4	91.4	88.2	94.9	88.8	92.6	100	96.2

32. Diversity of Students

	BDS				
	2009 – 2010	2010 - 2011	2011 - 2012	2012 - 2013	2013 - 2014
Percentage of students from the same university (%)	45	35	33	37	35
Percentage of students from other universities within the state (%)	3	2	2		7
Percentage of students from universities outside the state (%)	45	53	47	58	56
Percentage of students from other countries (%)	7	10	18	5	2

	MDS				
	2009 - 2010	2010 - 2011	2011 - 2012	2012 – 2013	2013 – 2014
Percentage of students from the same university (%)	60	45	57	53	47
Percentage of students from other universities within the state (%)	20	25	26	13	16
Percentage of students from universities outside the state (%)	20	30	17	34	37
Percentage of students from other countries (%)	-	-	-	-	-

33. How many students have cleared civil services and defence services examinations, net, gate, usmle, plab, gpat, nclex, cgfns, ielts and other competitive examinations? Give details category-wise.

- **Defense Services: 02**
- **Civil services:**
- **NET:**
- **GATE:**
- **USMLE:**
- **PLAB:**
- **NCLEX:**
- **IELTS:**
- **OTHERS:**

34. Student progression :

Student progression	Percentage against enrolled
UG to PG	Oral pathology – 5 % ,Overall- 16%
PG to Mphil ,DM/MCh/ DNB	Nil
PG to post doctoral	Nil
Employed Campus selection Other than campus recruitment	N.A.
Entrepreneurs	N.A.

35. Diversity of staff:

Percentage of staff who are graduates	
of the same university	50%
from other universities within the State	25%
from universities from other States	25%
from universities outside the Country	-

- **Number of faculty who were awarded M.Phil, DM ,MCh, Ph.D, D.Sc, and D.Litt during the assessment period:**
- Nil
- **Present Details Of Departmental Infrastructural Facilities With Regard To**
 - a) **Library**
 - b) **Internet facilities for staff and students**
 - c) **Total number of classrooms**
 - d) **Classrooms with ICT facility and “smart” classrooms**
 - e) **Student’s laboratories**
 - f) **Research laboratories**

LIBRARY:

Books	Subject	No. of titles	No. of Books
Central Library(Pertaining to Specialty)	Oral pathology& microbiolog	148	437
	Oral anatomy and histology	27	181
	TOTAL	175	618
Department Library	Basic sciences	15	17
	Oral biology	19	24
	Oral pathology	36	53
	Oral microbiology & immunology	05	08
	Laboratory techniques	12	14
	Related books	22	29
	MCQs	02	02
	TOTAL	111	147

- **DEPARTMENT LIBRARY:** The department has a self-sufficient, well maintained library consisting of the specialty books as well as books on basic subjects as well as seminars. The faculty has also added their personal books to the library. The books include textbooks, atlases and manuals. A collection of CD-ROMs is also available.
- **CENTRAL LIBRARY:** The central library of the institution also has a good collection of books, CDs and Journals related to our speciality.

INTERNET FACILITY FOR STAFF AND STUDENTS:

- **In the department:** A Wi-Fi internet connection is available for the use of the staff in the department.
- **In the central library:** Internet connection is available for the use of staff as well as students.

TOTAL NUMBER OF CLASSROOMS:

- For Undergraduates: 04 classrooms, one for each year.
- For postgraduates: a seminar hall

CLASSROOMS WITH ICT FACILITY AND 'SMART' CLASSROOMS:

- **All classrooms are ICT-enabled and the facilities available include:**
- LCD projector
- Screen
- Laptop (in the department)
- OHP projector (in the department)
- White board
- Mike system
- Podium
- Internet connection (Wi-Fi enabled campus)
- Smart board

STUDENTS' LABORATORIES:

- Undergraduate laboratory consists of two sections:
 - i. for Dental Anatomy
 - ii. for Oral Histology and Oral Pathology: equipped with Monocular, Binocular & trinocular microscopes and CCTV.

RESEARCH LABORATORIES:

- Stereomicroscope
- Pentahead Research Microscope with CCD camera
- Immunohistochemistry
- Image analysis softwares: Progress and Image Pro-express

36. List of doctoral, post-doctoral students and Research Associates - NIL

- a) from the host institution / university
- b) from other institutions / universities

36. Number of postgraduate students getting financial assistance from the university: Nil

37. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

- 1) Annual assessment undertaken by LIC (as per the guidelines of RGUHS) and DCI inspectors
- 2) Assessment by DCI was carried out before beginning of a new program.

The new program started:

Master of Dental Surgery (MDS) Course

Methodology exercised before starting MDS:

Expansion of the department w.r.t

- Infrastructure
- Major equipments
- Consumables
- Department library
- Staffing Pattern

Restructuring of the MDS Curriculum at the University (RGUHS) level

38. Does the department obtain feed back from

a. faculty on curriculum as well as teaching learning evaluation ? If yes, how does the department utilize the feedback.

- Yes
- Regular intradepartmental faculty meetings are held where the curriculum is discussed and changes made according to the needs of the students. The performance of the students is also regularly evaluated in these meetings and necessary changes are made in the teaching learning methods.
- Discussions are also conducted with allied departments regarding the syllabus and interdepartmental coordination is maintained for the benefit of the students.

b. students on staff ,curriculum and teaching learning evaluation and how does the department utilize the feedback?

- Yes, feedback forms are taken from students and appropriate changes are made to overcome any deficiencies in the teaching techniques.

c. alumni and employers on the programs offered and how does the department utilize the feedback ?

- Nil

39. List the distinguished alumni of the department:

- Dr. Suma S currently working as a Reader in the department is an Undergraduate alumni from this institution

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

Undergraduate and postgraduate students attend workshops, guest lectures, symposia and conferences at state, National and International levels.

List of various Scientific programmes attended by Post Graduates

	Conferences attended	XXI National Conference of Indian Association of Oral and Maxillofacial Pathologists, 26 th – 28 th 2012, Grand Hyatt, Goa I National Midterm Conference of IAOMP, Chennai, 24 th to 26 th Jan 2013 XXII National conference of Indian Association of Oral and Maxillofacial Pathologists, 8 th -10 th November, 2013, Renaissance Mumbai Convention Centre Hotel, Mumbai.
	PG conventions attended	XII National PG Convention of the Indian Association of the Oral and Maxillofacial Pathologists, 14 th – 15 th July 2012, Le Meredian, Pune, Maharashtra XIII National Post Graduate Convention of Indian Association of Oral & Maxillofacial Pathologists hosted by CKS Theja Institute of Dental Sciences & Research , held at Minerva Grand, Thirupati on 10 th & 11 th July 2013

<p>CDE/guest lectures/symposia/ slide seminar attended</p>	<p>CDE Programme “Pathbites”, on 07-06-2012, at V S Dental College and Hospital, Bangalore CDE Programme “Master class in oral pathology, medicine and microbiology” and “publish or perish” 10th -11th August 2012, at MS Ramaiah Institute of Technology, Bangalore Pathognana II, 24-09-2012 at JSS Dental College, Mysore PROLOGUE-2012 PG Orientation Programme, 29th – 30th August 2012, at Rajiv Gandhi University of Health Sciences, Karnataka Workshop – PCR AND ITS APPLICATIONS on 6/11/2012 – at Aristogene Biosciences, Bangalore Colgate – “Future Dental Professionals”, 10-11-2012 CDE Program “SIGN OUTS” on 15/12/12 at Manipal College of Dental Sciences, Manipal CDE programme at Oxford Dental College, Hospital and Research Centre, Bangalore on 3rd September 2013 CDE Program “Triple Talk” at Sri Rajiv College of Dental Sciences, Bangalore on 12th Sep 2013</p>
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41. List the teaching methods adopted by the faculty for different programmes including clinical teaching:

- **UNDERGRADUATE PROGRAMME:**

The Curriculum followed is in accordance with RGUHS and is well focussed.

The **teaching methods** adopted for Undergraduate programme include:

- Didactic Lectures
- Practical exercises
- Seminar presentations
- Quiz
- Buzz groups
- Demonstrations of certain laboratory procedures
- Case discussions

To aid in the above mentioned teaching methods, the following **teaching/learning media** are used:

- White board / black board
- Overhead projector
- Power point presentations
- Videos
- Models & charts: A set of acrylic tooth models is used to teach the normal anatomy of each tooth to the students. Charts describing anatomy of each tooth are also used. Similarly, we use charts depicting various oral diseases.
- Teeth specimens: Normal tooth specimens are used in teaching dental anatomy and are used as spotters. Tooth specimens with anomalies are used as spotters for oral pathology teaching.
- Plaster cast spotters: Cast models of normal dentition are used as spotter for dental anatomy classes, wherein the students learn to identify the teeth present in the dentition (deciduous & permanent) and to calculate the dental age. Correspondingly, cast models showing various anomalies of teeth are used in oral pathology as spotters.
- Microscopic slides, trinocular microscope, CCD camera & CCTV: A CCD camera is attached to the trinocular microscope. The camera is also connected to a television. This provides a live feed of the slide onto the television. The microscopic slides are described to the student using this set up before they see the fixed focus.
- Fixed focus of microscopic slides & diagram templates: after the slide discussion using the CCTV, the slides are shown in a fixed focus to the students. These are also a part of the spotters in their curriculum. The fixed focus includes the most representative and relevant area of the microscopic slide.
- Discussion & demonstration of carving techniques: The anatomy of each tooth is discussed with each student before the carving of the tooth on a wax block. The staff members demonstrate and teach a stepwise carving technique to the students allotted to them.
- Smart board

POSTGRADUATE PROGRAMME:

The **teaching methods** used in postgraduate training include:

- Lectures in applied basic sciences
- Assignments
- Seminar presentations
- Journal clubs
- Case discussions
- Slide discussions
- Haematology exercises
- Histopathology exercises including routine tissue processing, routine stains, special stains, histopathology reporting, etc
- Posting in haematology, histopathology, dermatology, oncology units.
- Posting in Oral Medicine and Radiology, Oral and Maxillofacial Surgery departments of the institution.
- Short-term research projects

- Scientific presentations: paper and poster presentations, case presentations in State, National and International conferences/Continuing Dental Education programmes.
- Smart board
- The **teaching / learning media** used are similar to that for undergraduate programme, in addition:
- A Postgraduate slide box is maintained which consists of microscopic slides of various oral pathologies.
- Research microscope, which is penta-headed is used for slide discussions and short term research projects.

42. How does the department ensure that the program objectives are constantly met and the learning outcomes are monitored?

- Regular undergraduate and post graduate schedules are made and displayed to the students which have allowed us to ensure that the program objectives are met.
- Our department conducts regular class tests, viva voce and internal assessment exams for evaluation of the undergraduate students. Tests are conducted using different techniques and formats other than those followed by the University in order to motivate the students.
- Our department conducts regular tests for the postgraduate students and assessment forms are maintained for each student, thus helping to evaluate them at every level.

43. Highlight the participation of students and faculty in extension activities.

The undergraduates and postgraduates are posted for both screening and treatment camps in mobile dental vans.

44. Give details of “beyond syllabus scholarly activities” of the department:

- One faculty member (Dr Madhura M G) has completed Diploma course on “Recombinant DNA Technology and Genetic Engineering” at Wingene Biotech Research Labs (R), 21st Aug – 24th Sep 2008, Bangalore
- Attending Workshops / Enrichment Courses
- Scientific Publications
- Scientific Presentations
- Delivering Guest lectures
- Chairing of scientific sessions at conferences / conventions
- Judging of scientific presentations at conferences/ conventions
- Faculty as members of / serving in
 - National committees
 - International committees
 - Editorial boards
 - University
- TV talks
- Health talks
- Seminar presentations for undergraduate students

45. State whether the program/ department is accredited /graded by other agencies? If yes, give details.

Nil

46. Briefly highlight the contributions of the department in generating new knowledge, basic or applied:

The Department generates new knowledge through:

- Research projects
- Dissertations
- Short-term research projects
- Scientific publications
- Scientific presentations by faculty and students

47. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

Strengths:

- Competent and committed faculty
- Organised teaching program; Effective teaching aids – Eg. Power point presentations, Internet videos and so on
- Latest equipment and infrastructure
- Well-equipped department library
- More number of student distinctions

Weaknesses:

- Inadequate staff for research projects
- Lack of hard tissue microtome
- Lack of Biochemical analyzer

Opportunities:

- Participation in faculty development and enrichment programs
- Inviting faculty from other universities
- Student exchange programmes
- Conducting CDE programmes and Conferences
- Community based programs – Eg. Screening camps, Awareness programs

Challenges:

- Improving patient statistics
- Improving student's performance and attendance further
- Need for inter-institutional as well as research collaborations
- Setting up of Laboratory for molecular studies
- Need to obtain research grant for both faculty and students

48. Future plans of the department:

- To increase publications and presentations (both faculty and student)
- Conducting CDE programmes and Conferences

- To undertake research projects – basic and applied
- To have collaborations with research organizations
- To do molecular studies
- To start post doctoral course
- To enhance research activities - setting up of central research lab in the institution