



**D.A.PANDU
MEMORIAL
R.V.DENTAL
COLLEGE**

**No.CA-37, 24th Main, I Phase, J P Nagar,
Bangalore -560078**

**Re-Accreditation
Report (RAR)**

VOLUME I

**National Assessment & Accreditation
Council**

Nagarbhavi, Bangalore – 560 072

2014



RASHTREEYA SIKSHANA SAMITHI TRUST
D. A. PANDU MEMORIAL R. V. DENTAL COLLEGE

- ✧ Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka
- ✧ Recognised by Dental Council of India, New Delhi
- ✧ Accredited by National Assessment Accreditation Council (NAAC)
"B" Grade with a CGPA of 2.76
- ✧ Included under section 2 (f) of the UGC ACT-1956

Ref. : DAPM RVDC /

Date :

10.05.2014

Declaration by the Head of the Institution

I certify that the data included in this Re-Accreditation Report (RAR) are true to the best of my knowledge.

This RAR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this RAR during the peer team visit.

Dr.M.R.Dinesh
Principal

No. CA 37, 24th Main, 1st Phase, J.P. Nagar, Bangalore - 560 078. INDIA
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RASHTREEYA SIKSHANA SAMITHI TRUST D. A. PANDU MEMORIAL R. V. DENTAL COLLEGE

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Ref. : DAPM RVDC /

Date :

CERTIFICATE OF COMPLIANCE

This is to certify that **D A Pandu Memorial R V Dental College, Bangalore** fulfils all norms.

1. Stipulated by the affiliating University (Rajiv Gandhi University of Health Sciences, Bangalore) and/or
2. Regulatory Council / Body (Dental Council of India, New Delhi) and
3. The affiliation and recognition is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Dr.M. R. Dinesh
Principal

Date: 10.05.2014
Place: Bangalore

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PREFACE

D.A.P.M R V Dental College is one of the 27 leading institutions managed by the RashtreeyaShikshanaSamiti Trust (RSST), which strongly believes in its motto **‘Excellence in Education and Service to Humanity.’** The trust was established by Sri M.C. Sivananda Sharma in the year 1940.

Our institution was established in the year 1992 with a vision to **“Impart quality Dental education that will imbibe confidence, commitment, conviction, courtesy and courage in students and provide them with values, knowledge and skills to treat dental diseases.”**

Dentists in today’s world are constantly intrigued by the changing demands and advancement in technologies and they need to adapt accordingly to such an environment and be lifelong learners in terms of skill and competence. D.A. Pandu Memorial R.V. Dental College and Hospital is accordingly committed to help its dental graduates understand the nuances of dentistry and explore newer technologies with a holistic approach towards their profession, and emerge as dentists of “global competence.”

In its quest to excel in the field of dental education, our institution was one of the first few dental institutions in the Country to have undergone the process of obtaining NAAC accreditation in the year 2009. Since then, the institution has taken various steps to improve and further the institutional achievements to the next level.

This re- accreditation report (RAR) is an effort by the faculty of our institution to portray the institutional efforts and achievements in the last five years to sustain and enhance the quality of dental education and treatment provided.

I would also like to state that the process of preparing the re- accreditation report has motivated us to work in cohesion to scale newer heights in the field of dental education and patient management.

Dr Dinesh.M.R

Principal & Chairman IQAC

CONTENTS

Sl.No.	Contents	Page Number
A	Executive Summary	1
	SWOC Analysis of the Institution	6
B	Profile of the institution	9
C	Criteria-wise Analytical Report	
	Criteria I - Curricular Aspects	27
	Criteria II - Teaching-Learning and Evaluation	50
	Criteria III - Research, Consultancy and Extension	79
	Criteria IV - Infrastructure and Learning Resources	111
	Criteria V - Student Support and Progression	140
	Criteria VI - Governance, Leadership and Management	155
	Criteria VII - Innovations and Best Practices	182
D	Annexures	
	Organisation Chart	
	Quality sustenance & enhancement	
	Faculty Profile	
	Institution Budgets	
	Master Plan of the Institute	
	Approval from Regulatory Authorities	
	Photo Gallery	
	Abbreviations	

EXECUTIVE SUMMARY

D APandu Memorial R V Dental College is one of the premier Dental Institutions in the country providing quality education in the field of dentistry. The college was started in 1992 and has a dedicated group of young, experienced and enthusiastic faculty to train the students. It has been recognized by various national and international forums for providing exceptional education. It has made a name for its community dental health programs and continuing dental education programs in the nearby locality and in Bangalore.

The primary goal of our institution is to train students to become professionally dedicated and socially responsible oral health care providers. The institution has a vision to excel in all its activities, create an atmosphere of learning, induce healthy challenges, encourage sustainable accomplishments and ensure enriching rewards to everyone – students, parents and teachers.

Our Institution is situated in the heart of the city in 5.7 acres campus and is affiliated to Rajiv Gandhi University of Health Sciences and is recognized by the Dental Council of India. It has an intake of 60 undergraduate students and offers post graduate courses in all 9 specialties of Dentistry. Along with this, PhD programs, post-graduate Diploma courses, fellowship and certificate courses in Aesthetic Dentistry and Implantology are offered.

Being the chairman of IQAC and Head of the Institution, the Principal administers, supervises and implements various functions under the leadership of Board of Management and the Governing Council, which are the principle authorities. By this method of participative management, the predetermined objectives of the institution are achieved. IQAC is the principle planning body of the institution and is responsible for planning, executing, implementing and monitoring the standards of education, teaching-learning-methods, interdepartmental co-ordination, research, examinations and continuous performance appraisals of staff and students within the institution.

The institution follows the curricular objectives of RGUHS and DCI. The standards and innovations in teaching-learning and evaluation methods practiced in the institution are proposed in the board of studies of the affiliated university to which the college is affiliated through the Board of Studies members of our Institution. This contributes to a greater extent in the overall development and refinement of academic curriculum of the affiliated university.

The Institution gives priority for extension activities to impart value based education. To inculcate value systems, social accountability, responsibility and ethics in students, it also provides necessary infrastructure facilities, teaching-learning resources and organizes community outreach programs and CDE programs periodically.

The curriculum plan of our institution is aimed at providing focused dental education, while regularly integrating newer teaching/learning methods and continuously assessing learning outcome as well as the student/staff

performance in terms of knowledge, attitude and skills, and having a holistic approach towards student progression.

Admission of students is transparent and merit-based, through entrance test and qualifying examinations as per Government of Karnataka and COMED-K. An orientation program is arranged for I BDS and I MDS students on the day of inauguration of their classes; they also attend the orientation program organized by the University.

The institution has separate undergraduate and postgraduate curriculum committees to oversee the curriculum plan. These committees schedule and display the annual calendar of events at the beginning of every academic year. For the undergraduates, a staff co-ordinator is appointed annually, who interacts with the various departments teaching that year for timetables, internal assessments, clinical postings, parent-teacher meetings and arrangements for University examinations.

We have a well-qualified faculty comprising professors, readers and lecturers with a student-teacher ratio of 4:1. Faculty retention is good with low attrition rate and many faculty members have been a part of the institution since its inception. The number of faculty is in fact more than that prescribed by the Dental Council of India.

The teaching-learning process encompasses a focused teaching schedule in synchrony with calendar of events, along with ICT-enabled classroom complex (with four classrooms), use of innovative teaching-learning methods (smart board teaching, web-based learning, seminars, group discussions, buzz groups, quiz, assignments, projects, case studies and many more), training of teachers in teaching/learning/evaluation, teaching beyond syllabus (continuing dental education programs and enrichment courses organized in the institution), experiential learning (through dental camps organized in urban and rural areas), and interdepartmental interactions

The evaluation of learning outcome is through continuous performance appraisal, internal assessments, posting-end tests, class tests, and mock exams (for PGs), thereby enabling the identification of underperformers and advanced learners. A student information system has been established wherein every student's attendance and internal assessment marks are uploaded. This can be accessed by faculty, students and parents. Parent-teacher meetings are arranged with parents of underperformers regularly to identify their problems and help solve them. Remedial classes are also conducted for underperformers and slow learners. Advanced learners are felicitated during the graduation day celebrations with awards instituted by the faculty. A gold medal has also been instituted by the management for the Best Outgoing Student.

The faculty members of the institution are encouraged to pursue further studies, attend faculty development programs, present scientific papers and posters and publish scientific articles, by way of sabbaticals, financial incentives and awards.

Student/staff progression is augmented through co-curricular and extra-curricular activities. Cultural and sports events, yoga classes, personality development programs and career guidance programs are organized in the institution regularly.

The success of the above practices is evident by increase in number of University ranks, improvement in pass percentage, number of scientific presentations and publications, and number of awards for scientific presentations achieved over the years.

Research is one of the top priorities of our institution. Various research projects are being pursued and publication of the studies in various national and international journals by the faculty and students is encouraged by the institution by means of providing facilities and incentives for presentation and publication (in the form of sponsorship, special casual leave). Financial support is earmarked every year for research activities by the college management. The Institution has an Institutional Review Board (IRB) and an Ethical committee to oversee research activities by the faculty and students. The institution encourages and facilitates submission of proposals to funding agencies for research activities. Easy access to infrastructural facilities and library sources are available in the institution.

The institution has various ongoing and completed projects which are funded and associated with various national bodies like Indian Institute of Science and Indian Council of Medical Research (ICMR). ICMR has also granted and funded research projects for undergraduates. The faculty of the institution has published more than 277 publications in international and national journals from 2009 till date. Our faculties are reviewers in reputed national and international journals. Many of the faculty have contributed chapters and have written textbooks.

Our institution is centrally located and easily accessible. We have exemplary facilities for teaching-learning process. We have a sprawling campus of 5.7 acres that houses the college and hospital building, staff quarters, guest house, boys and girls hostels, auditoriums, Wi-Fi facility, canteen, indoor and outdoor sports facilities, gym, ICT-enabled classroom complex, about to be commissioned 250 bedded medical hospital, well-maintained garden and parking facility for patients, staff and students.

The college and hospital building has four wings, which houses 9 departments with 219 dental chairs, adequate pre-clinical laboratories, clinical areas, patient-waiting areas, patient education material, seminar rooms, and state of the art equipment.

The institution has provided facilities for indoor and outdoor sports and also has an in house gymnasium. The infrastructure of the institution has been designed for the ease of access and clarity for the students and patients into administrative block, clinics, class rooms, auditorium, and hostel. The hostel complex has an inbuilt gymnasium which is open for both faculty and students.

The institution has a spacious library which is spread over an area of four thousand four hundred and thirty four sq.ft with seating arrangements of over hundred people along with fully automated and Wi-Fi facilities and well stocked with books, journals, CDs, DVDs and periodicals to meet the changing needs of the students as well as faculty. There is library advisory committee which periodically looks into the needs of the library. The library is a member of HELINET consortium of RGUHS.

The institution has an engineering section with a qualified engineer and adequate support staff for supervising and maintaining the infrastructure of the institution. Budgetary allocation is made annually for maintenance and up gradation of infrastructure. A well-structured system (comprising Hospital Committee/ IQAC AND HODs) is in place for deciding the infrastructural requirements and timely implementation. Phased renovation and up gradation of all the 9 departments have been carried out in the last two years. In addition to the existing seven hundred and fifty capacity auditorium a new state of the art two hundred and twenty five capacity auditorium has been added. A class room complex with four ICT enabled class rooms with facilities like smart boards and visualizers are made available.

The administration and examination section are fully computerised to handle the processes of admission, student information and examination process. All the departments are provided with computers, laptops, LCD projectors and speciality related software.

Information about the location, facilities, and programs available, faculty information has been updated on the college prospectus which is published every year and the same information is made available on the college website, which is updated regularly. The students are given opportunities to attend orientation programs, interactive sessions with the head of the institution and teaching faculty where the feedbacks and suggestions are obtained from them. As an academic achievement the institution has been consistently able to get excellent results with more than 95% Pass percentage. Out of the 190 ranks announced by the RGUHS, 53 have been secured by our students. Students securing ranks, distinction and first class are rewarded suitably by management on Republic Day every year. Career guidance lectures are conducted on a regular basis where international faculty and the alumni of the institution successful in various areas like dental practice, research and entrepreneurship are invited to the institution for conductance of such programs. Grievance redressal system, anti-ragging cell, sexual harassment cell, woman-welfare committee are established and monitored by IQAC and these committees oversee students' grievances. Indoor and outdoor sports facilities are provided within the campus. Sports and cultural events are conducted annually and also the students are encouraged to compete in various cultural fests at other institutions. Health facilities like Group insurance are provided for students. Health fitness facilities like in campus gymnasium and also a tie-up with a reputed multi-gym in the close vicinity of the institution where the students can have fitness and health maintenance under the supervision of trained instructors is provided.

IQAC has constituted various committees to oversee the administrative and academic activities. The committees meet regularly and chart out programs for the academic year. Feedbacks are collected and same is evaluated. An effective evaluation and assessment system is in place. Both teaching and non-teaching faculty are evaluated. Faculty appraisal forms are evaluated by Heads of the Departments, Principal and then by the management.

Faculty and students are encouraged to present and publish articles and are rewarded on every Republic Day. Various welfare schemes are provided for faculty and students. Decentralized administration and participative management is the hallmark of the institution.

Our institution prides itself of many good practices which have resulted in quality dental education and community services. The infrastructure provided is adequate, well-maintained and upgraded regularly. Efforts are made to maintain an eco-friendly campus with rain water harvesting, well-maintained garden and developing an eco-friendly equipment for dental camps. There has been consistent increase in number of scientific presentations and publications, number of University ranks, awards over the years. 158 continuing dental education programs have been organized since the inception, including workshops for training of faculty in innovative teaching/learning/evaluation methods. Yoga classes are organized within the campus. The college magazine, Pendent, is published annually.

One among the core responsibilities of a dental college is to serve the community around it. In this regard, our institution has done yeomen service through its community outreach programs providing free, regular, incremental dental care to urban as well as rural community.

Thus, the institution has been able to deliver standardized dental education and consistently impart oral health care and education to the community.

“I can’t do it” never accomplished anything. “I will try” has performed wonders.

SWOC Analysis of the Institute

Strengths and Opportunities	
<p style="text-align: center;">Strengths</p> <ul style="list-style-type: none">❖ The institution is under the aegis of RashtreeyaSikshanaSamithi Trust, which has more than seven decades of legacy in imparting quality education.❖ The dental hospital is centrally located within the city and is easily accessible❖ Dental care is provided using latest technology at subsidized cost, thus taking a significant step towards minimizing inequality in oral health care.❖ Most of the DCI approved Courses/teaching programs in all the specialties of dentistry are offered under one roof, thereby making it one of the most sought after institution.❖ The institution has conducted maximum number of CDE programs and workshops for promoting evidence based education and practice.❖ The institution is equipped with state of art teaching facilities and has to its credit, knowledgeable, highly qualified, skilled, committed, and student friendly faculty with national and international experience.❖ Collaboration with various premier research institutions and hospitals available for pursuing research interests of the faculty and students.❖ Free oral care provided for differently abled patients, senior citizens as well as those from low socio-economic strata apart from creating awareness about general and dental health in the community; thus has a strong presence in the local community.❖ The institution has a strong alumni association which has members both within the country and abroad. It has contributed to the overall development of the institution.	<p style="text-align: center;">Opportunities</p> <ul style="list-style-type: none">❖ The emerging trends and changing needs of dental fraternity, has created new opportunities for the institution to increase the number of courses offered and widen its scope for catering to more number of students pursuing higher dental education.❖ Collaborations with overseas Universities has enabled staff and student exchange programs for advanced learning and higher training (in the form of fellowships and PhD).❖ Ability to improve the current infrastructure to accommodate training, teaching and research requirements to be one among the most advanced contemporary clinical and research institutes.❖ Facility to upgrade and increase the working hours of the library to encourage the students to utilize the facilities to its fullest.❖ The outreach program offered by the institute is well established with the manpower trained in provision of health care as well as in Advocacy Initiatives. The undergraduate and postgraduate program offered by the institution trains the students to function at the downstream level to undertake oral health promotional initiatives suitable for different target groups and also focus on the upstream level focusing on the importance of advocacy initiatives with the Government of Karnataka, Government of India, WHO and Civil Societies like Rotary, CAMHADD CTPHCF etc.

Weaknesses and Challenges	
<p>Weaknesses</p> <ul style="list-style-type: none"> ❖ A 200 bedded multispecialty hospital with state of the art health care facilities located on the campus is in the final stages of completion, but is yet to become operational. ❖ The research policy, the research budget and the research infrastructure in the institution has been functional with all statutory requirements in place. However, certain changes and upgradation of the research policy, budget and infrastructure of the institution is further needed for it to become one of the premier centre for education and research. 	<p>Challenges</p> <ul style="list-style-type: none"> ❖ Sensitization of policy makers regarding current needs of students and faculty to improve dental education as a whole. ❖ Successful survival and achieving excellence amidst increasing number of dental colleges (in India) and foreign universities offering graduate, post graduate and post-doctoral programs. ❖ Periodic up-gradation of equipment and manpower in line with advances in technology and integration of newer technology and techniques in undergraduate and post graduate training. ❖ Adapting to the policies of regulatory bodies.

RE-ACCREDITATION REPORT (RAR)

SUBMITTED TO: National Assessment and Accreditation Council

2014



PROFILE OF THE INSTITUTION

1. Name and Address of the Institution

Name	D.A.PANDU MEMORIAL R.V. DENTAL COLLEGE
Address	CA-37, 24 th Main, J P Nagar 1 st Phase
City	BANGALORE
PIN	560078
State	Karnataka
Website	www.rvdentalcollege.org

2. For Communication

Designation	Name	Telephone with STD Code	Mobile	Fax	E-mail
Principal	Dr.M.R.DINESH	(080) 22445754	9880056639	(080) 26658411	drdinesh@yahoo.co.in
Vice Principal	Dr.K.SHASHIK ALA	(080) 22445754	9844186635	(080) 26658411	shashbang2007@rediffmail.com
Steering Committee / IQAC Co-ordinator	Dr. S. DEEPAK	(080) 22445754	9886766741	(080) 26658411	deepak0279@gmail.com

3. Status of the Institution

Autonomous College

Constituent College

Affiliated College

State University

State Private University

Central University

University U/S 3 of UGC (A Deemed to be University)

Institution of National Importance

Any other (specify)

4. Type of University

- Unitary
- Affiliating

5. Type of College

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

6. Source of Funding

- Central Government
- State Government
- Grant-in-Aid
- Self-Financing
 - Trust
 - Corporate
 - Any Other (specify)

7 (a)	Date of establishment of the Institution	d	d	m	m	y	y	y	y
		0	1	0	8	1	9	9	2

7 (b)	In case of university, prior to the establishment of the university, was it a / an
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- (i) Autonomous College Yes
No
- (ii) Constituent College Yes
No
- (iii) Affiliated College Yes
No
- (iv) PG Centre Yes
No
- (v) De novo Institution Yes
No
- (vi) Any other (specify)
.....

NOT APPLICABLE

7 (c)	In the case of college, university, to which it is affiliated	Rajiv Gandhi University of Health Sciences, Bangalore
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8	State the vision and the mission of the institution	<p>Vision To impart quality Dental education that will imbibe confidence, commitment, conviction, courtesy and courage in students and provide them with values, knowledge and skills to treat dental diseases.</p> <p>Mission To become an institute of excellence in Dental education and to bring out quality Dental practitioners who will be an asset to the society.</p>
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9 a)	Details of UGC recognition / subsequent recognition (if applicable)		
	Under Section	Date, Month and Year (dd/mm/yyyy)	Remarks (if any)
	i. 2(f)	NOT APPLICABLE	
	ii. 12B		
	iii. 3		

9 b)	Details of recognition / approved by statutory / regulatory bodies other than UGC (MCI, DCI, PCI, INC, RCI, AYUSH, AICTE, etc)
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	The details of recognition / approved by statutory / regulatory bodies – Dental Council of India / Govt of Karnataka / Rajiv Gandhi University of Health Sciences are as follows:
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Under Section Letter No.	Date, Month and Year (dd/mm/yyyy)	Validity	Program/ Institution	Remarks
F. No.V.1201/46/2003/DE GOI, MHFW, New Delhi	25.02.2010	Permanent	BDS	Recognition of BDS Degree from 40 to 60 Seats
GOI, MHFW. New Delhi	05.07.2007	Permanent	MDS	8 Specialities
F. No.V.12017/26/2007/DE GOI, MHFW, New Delhi	21.03.2013	Renewal	MDS	Increase of MDS Seats in Pedodontics, Orthodontics, Oral Medicine & 2 nd Year in Oral Pathology
F. No.V.12017/26/2007/DE GOI, MHFW, New Delhi	28.03.2013	Renewal	MDS	Increase of MDS Seats in Conservative, Periodontology
F. No.V.12017/56/2008/DE GOI, MHFW, New Delhi	28.06.2012	Permanent	PG Diploma	Conservative Dentistry
F. No.V.12017/56/2008/DE GOI, MHFW, New Delhi	20.10.2011	Permanent	PG Diploma	Orthodontics
F. No.V.12017/56/2008/DE GOI, MHFW, New Delhi	30.04.2013	Renewal	PG Diploma	2 nd Year Prosthodontics

Under Section Letter No.	Date, Month and Year (dd/mm/yyyy)	Validity	Program/ Institution	Remarks
RGU/ACA/AFF/DAPMRVDC/CERTI/2012-13	03.08.2012	Continuation of Affiliation	Certificate Course	Continuation of Affiliation to Aesthetic Dentistry & Implant Dentistry
ACA/AFF/PHD/RVDC/2009-10	18.08.2008	Permanent	Ph.D	Conservative & Oral Medicine
ACA/D-11/2013 – 2014	27.08.2013	Continuation of Affiliation	BDS, MDS & PGD	Continuation of Affiliation to BDS, MDS & PGD
RGU/ACA/AFF/DAPMRVDC/PHD/OMS/2011-12	30.06.2011	Permanent	Ph.D	Oral & Maxillofacial Surgery
ACA/D11/RVDC/2009-10	13.09.2013	Continuation of Affiliation	MDS	Increase of Seats Conservative Dentistry & Periodontics
RGU/ACA/AFF/DAPMRVDC/PHD/OMS/2011-12	30.06.2011	Permanent	Ph.D	Orthodontics

Under Section Letter No.	Date, Month and Year (dd/mm/yyyy)	Validity	Program/ Institution	Remarks
GO No.HFW 125 MME 91	08.06.1992	Sanction of BDS Course	BDS	Sanction of Dental College with 40 seats intake
HFW 123MPS 98	07.07.1999	Essentiality & Feasibility Certificate	MDS	Sanction of MDS Pedodontics with 2 seats
HFW 163MPS 2002	12.11.2002	Essentiality & Feasibility Certificate	MDS	Sanction of MDS Community Dentistry (2 Seats); Prosthodontics (3 Seats); Oral Surgery (4 Seats) and Increase of MDS Seats in

					Conservative (4 to 7 Seats); Oral Medicine (3 to 4 Seats); Orthodontics (3 to 4 Seats)
	HFW 163MPS 2002	14.01.2003	Essentiality & Feasibility Certificate	MDS	Sanction of Permission to MDS Periodontics
	HFW 49 MPS 2003	14.01.2003	Essentiality & Feasibility Certificate	BDS	Sanction of Increase of BDS Seats from 40 to 60
	HFW 310 MPS 2010	29.06.2010	Essentiality & Feasibility Certificate	MDS	Increase of intake MDS Orthodontics (4 to 6 Seats); Pedodontics (2 to 3 Seats); Oral Pathology (2 to 3 Seats)
	HFW 226 MFS 2011	13.07.2011	Essentiality & Feasibility Certificate	MDS	Starting MDS Oral Pathology (3 Seats); PG Diploma Prosthodontics (2 Seats);
The Certificates of Recognition / Approval / Continuation of Affiliation / Essentiality & Feasibility Certificate are enclosed					

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

Yes



No



If yes, name of the agency | World Health Organisation

		d	d	m	m	y	y	y	y
	Date of Recognition	0	1	1	2	2	0	1	1

Nature of Recognition

Trisector Partnership in support of the Health Promoting Schools initiative at D.A. Pandu Memorial R V Dental College, Dept of Public Health Dentistry, Bangalore. This initiative applies and adapts the principles and confirm continuing support of WHO Oral Health Program with the support of the CAMHADD Trisector Preventive Health Care Foundation (CTPHCF) and Dental Public Health Group at the University College, London.

11 Does the institution have off-campus centres?

Yes No

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

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

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12 Does the institution have off-shore campuses?

Yes No

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

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

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13 Location of the campus and area:

		Location*	Campus Area in Acres	Built-up Area in Sq. Mts.
i.	Main Campus Area	Urban	5.2	15,204 SqMts
ii.	Other Campuses in the Country	NA	--	--
iii.	Campuses Abroad	NA	--	--

**14 Number of Affiliated / Constituent Institutions in the University:
NOT APPLICABLE**

Types of Institution	Total	Permanent	Temporary
Ayurveda	Not Applicable	Not Applicable	Not Applicable
Dentistry			
Homeopathy			
Medicine			
Nursing			
Pharmacy			
Physiotherapy			
Siddha			
Unani			
Yoga & Naturopathy			
Others (Specify and provide details)			

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

Yes No Number

NOT APPLICABLE

16 Furnish the following information:

	Particulars	Number
a.	Accredited colleges by any professional body/ies	NA
b.	Accredited course / department by any professional body/ies	
c.	Affiliated Colleges	NA
d.	Autonomous Colleges	NA
e.	Colleges with Postgraduate Departments	NA
f.	Colleges with Research Departments	NA
g.	Constituent Colleges	NA
h.	University Departments	NA
	Under Graduate	NA
	Post Graduate	NA
	Research Centres on the Campus and on Other Campuses	NA
i.	University Recognised Research Institutes / Centres	NA

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

Yes No

If the institution uses any other nomenclatures, specify?

D.A.Pandu Memorial R V Dental College & Hospital

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

The academic programs offered and student enrolment by D.A.Pandu Memorial R.V. Dental College during the Academic Year 2013-14 is as follows: (Enclose the list of academic program offered and approval / recognition details issued by the statutory body governing the program)

	Programs	No of Program	No. of Students Enrolled
	UG	1	59
	PG	9	27
	DNB		
	Integrated Masters		
	Integrated Ph.D		
	PharmD		
	M.Phil		
	Ph.D		
	Certificate	3	5
	Diploma	2	5
	PG Diploma		
	D.M. / M.Ch	3	3
	Sub / Super Speciality Fellowship		
	Any Other (Specify)		
	TOTAL	18	101

19	Provide information on the following general facilities (campus – wise)
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- Auditorium/seminar complex with infrastructural facilities Yes No
- Sports Facilities Yes No
- Outdoor Yes No
- Indoor Yes No
- Residential facilities for faculty and non – teaching staff Yes No
- Cafeteria Yes No

- Health Centre
- First Aid Facility Yes No
- Outpatient Facility Yes No
- Inpatient Facility Yes No
- Ambulance Facility Yes No
- Emergency Care Facility Yes No
- Health Centre Staff Yes No

- Qualified Doctor: Full Time Part Time
- Qualified Nurse: Full Time Part Time

- Facilities like banking, post office, book shops etc. Yes No
- Transport facilities to cater to the needs of the students and staff Yes No
- Facilities for persons with disabilities Yes No
- Animal House Yes No
- Incinerator for Laboratories Yes No

- Power House Yes No
- Fire Safety Measures Yes No
- Waste Management Facility,
particularly bio-hazardous Waste Yes No
- Potable Water and Water Treatment Yes No
- Any Other Facility (Specify) Yes No

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

	Working Days				Teaching Days			
	2010	2011	2012	2013	2010	2011	2012	2013
Number Stipulated by the Regulatory Authority	240	240	240	240	240	240	240	240
Number by the Institution	293	293	289	287	275	275	271	269

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

21 Has the institution been reviewed or audited by any regulatory authority? If so, furnish copy of the report and action taken there upon (last four years).

Yes. The institution undergoes an internal and external audit, every year. Copies of the audit report for the years 2009-2010, 2010-2011, 2011-12 and 2012-2013 are enclosed.

22 Number of positions in the institution.

Positions	Teaching Faculty							Non-Teaching Staff	Technical Staff
	Professor	Associate Professor / Reader	Assistant Professor	Lecturer	Tutor / Clinical Instructor	Senior Assistant			
Sanctioned by the DCI	17	25		1 5	2				
Recruited									
Yet to \Recruit									
Sanctioned by the Management/Society or other authorized bodies	24	19		2 3	2				

Recruited									
Yet to Recruit									
Stipulated by the regulatory authority									
Cadre Ratio									
Recruited									
Yet to Recruit									
Number of persons working on contract basis									

23 Highest Qualification	Qualification of the Teaching Staff											
	Pr ofe sso		As so cia		As sis tan		Le ctu rer		Tu tor		Se nio r	
	M	F	M	F	M	F	M	F	M	F	M	F
Permanent Teachers												
D.M./ M.Ch.												
Ph.D./D.Sc./D.Litt/ MBBS/M.D./M.S.		4										
PG (M.Pharm./ PharmD, DNB, M.Sc., MDS., MPT, MPH, MHA)	12	5	8	11			8	13	1	1		
AB/FRCS/FRCP/ MRCP/MRCS/FDSRCS	1											
M.Phil.												
UG												
Temporary Teachers												
D.M./ M.Ch.												
Ph.D./D.Sc./D.Litt/M.D./ M.S.												
PG (M.Pharm./ PharmD, DNB, M.Sc., MDS., MPT, MPH, MHA)												
AB/FRCS/FRCP/ MRCP/MRCS/FDSRCS												
M.Phil.												
UG												

Highest Qualification	Professor		Associate Professor/Reader		Assistant Professor		Lecturer		Tutor / Clinical Instructor		Senior Resident	
	M	F	M	F	M	F	M	F	M	F	M	F
Contractual Teachers												
D.M./ M.Ch.												
Ph.D./D.Sc./D.Litt /M.D./ M.S.												
PG (M.Pharm./ PharmD, DNB, M.Sc., MDS., MPT, MPH, MHA)												
AB/FRCS/FRCP/ MRCP/MRCS/FD SRCS												
M.Phil.												
UG												
Part-Time Teachers												
D.M./ M.Ch.												
Ph.D./D.Sc./D.Litt / MBBS/ M.D./ M.S.	2						2					
PG (M.Pharm./ PharmD, DNB, M.Sc., MDS., MPT, MPH, MHA)												
AB/FRCS/FRCP/ MRCP/MRCS/FD SRCS												
M.Phil.												
UG												

24	Emeritus, Adjunct and Visiting Professors
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	Emeritus		Adjunct		Visiting	
	M	F	M	F	M	F
Number	--	--	--	--	--	--

25	Distinguished Chairs Instituted:
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Department	Chairs
--	--

26	Hostel
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Boys' Hostel

(i)	Number of Hostels	1
(ii)	Number of Inmates	39
(iii)	Facilities	5

Girls' Hostel

(i)	Number of Hostels	1
(ii)	Number of Inmates	105
(iii)	Facilities	

Overseas Students Hostel

(i)	Number of Hostels	--
(ii)	Number of Inmates	--
(iii)	Facilities	--

Hostel for Interns

(i)	Number of Hostels	--
(ii)	Number of Inmates	--
(iii)	Facilities	--

PG Hostel

(i)	Number of Hostels	--
(ii)	Number of Inmates	--
(iii)	Facilities	--

27	Students enrolled in the institution during the current academic year, with the following details:
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The students enrolled in the institution during the current academic year, i.e., 2013-14 is as follows:

Students	UG	PG			Integra ted Master s	M.P hil	Ph. D.	Integra ted Ph.D
		PG	PG D*	CC*				
	*M *F	*M *F	*M *F	*M *F	*M *F	*M *F	*M *F	*M *F
From the state where the institution is located	M 1 F 22	M 4 F 10		M 1 F 2	--	--	M 2 F 3	--
From other states	M 10 F 24	M 5 F 10	M 0 F 3	M 0 F 2	--	--	--	--
NRI students	F 1	--	--	--	--	--	--	--
Foreign students	F 1	--	--	--	--	--	--	--
Total	59	29	3	5	--	--	5	--

*M-Male *F-Female; PGD = Post Graduate Diploma; CC = Certificate Course

28	Health Professional Education Unit / Cell / Department
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Year of Establishment	1992
Number of continuing education programs conducted (with duration)	163
(i) Induction	
(ii) Orientation	
(iii) Refresher	
(iv) Post Graduate	

29 Does the University offer Distance Education Programs (DEP)?

Yes No

If yes, indicate the number of programs offered.

Are they recognized by the Distance Education Council?

NOT APPLICABLE

30 Is the institution applying for Accreditation or Re-Assessment?

Accreditation Re-Assessment

Cycle 1 Cycle 2 Cycle 3
 Cycle 4

31 Date of Accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4)

		d	d	m	m	y	y	y	y
CYCLE 1		1	5	0	6	2	0	0	9

Accreditation Outcome / Result	Accredited by National Assessment Accreditation Council (NAAC) “B” Grade with a CGPA of 2.76
---------------------------------------	----------------------------------------------------------------------------------------------

Enclose copy of Accreditation Certificate(s) and Peer Team Report)	Copy Enclosed
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32 Does the University provide the list of accredited institutions under its jurisdiction on its website? Provide details of the number of accredited affiliated / constituent / autonomous colleges under the University.

NO

33	Date of Establishment of Internal Quality Assurance Cell (IQAC) and Dates of Submission of Annual Quality Assurance Reports (AQAR).
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		d	d	m	m	y	y	y	y
	IQAC	2	8	0	2	2	0	0	8

		d	d	m	m	y	y	y	y
	AQAR (i)	3	1	0	1	2	0	1	4

		d	d	m	m	y	y	y	y
	AQAR (ii)	3	1	0	1	2	0	1	4

		d	d	m	m	y	y	y	y
	AQAR (iii)	3	1	0	1	2	0	1	4

		d	d	m	m	y	y	y	y
	AQAR (iv)	3	1	0	1	2	0	1	4

34	Any other relevant data, the institution would like to include (not exceeding one page).
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Since its inception in 1992, the institution has been spearheading the cause of dental education with the help of highly committed faculty and exemplary infrastructure. Apart from regular courses, the institution has conducted 162 continuing dental education (CDE) programs for faculty and students at institutional/regional/state and national levels, with 49 CDE programs conducted between June 2009 and March 2014.

The quality of dental education is well reflected in the recent rank list announced by the Rajiv Gandhi University, wherein our institution has obtained 51 out of 190 ranks. To encourage excellence in education the managing trust has instituted a gold medal for best outgoing student (awarded annually) while our faculty has instituted various endowment awards for academic excellence.

As a part of social responsibility, the institution has conducted 256 community outreach programs benefitting about 53,000 patients since June 2009. In addition, it has three satellite centres located at Sriramanahalli Village, KSRTC Centre and Sevakshetra Hospital.

Research promotion has been an area of improvement with the Institution currently having 5 departments and 6 guides recognized for PhD program. Further, the institution is currently associated with esteemed organizations such as

- University College, London
- Commonwealth Association of Mentally Handicapped and Developmental Disabilities
- Commonwealth Tri Sector Preventive Health Care Foundation
- World Health Organization
- Johns Hopkins University, USA
- Harvard University, USA
- NIMHANS, Bangalore
- Indian Institute of Sciences, Bangalore
- Showa University School of Dentistry, Tokyo, Japan

The institution was the first few among all the dental colleges of India to have undergone NAAC accreditation. It is an institution looked upon as a benchmark for institutional standards and a student admitted in this institution has all the opportunities to reach pinnacles in dentistry. Under the able guidance of the trust, management committee and the world-class faculty, D. A. Pandu Memorial R V Dental College and Hospital is strongly committed to follow the motto “Excellence in Education and Service to Humanity” to ensure international standards both in education being imparted to the students and treatment being offered to its patients.

1.1 Curricular Planning, Design and Development

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

Yes.

D. A. Pandu Memorial R V Dental College, with a vision to excel in all its activities, envisions creating an atmosphere of involved learning, instilling a spirit of enquiry, inducing healthy challenges, encouraging sustainable accomplishments and ensuring enriching rewards to everyone –students, parents, teachers and associates.

To achieve the above vision, the following goals and objectives have been emulated by the college:

- To be efficient, effective and community acceptable
- To excel in service, education and research
- To incorporate many programs so that more learners are benefited and indirectly the community.
- To induce paradigm shift in community thought process and educate that many oral diseases are preventable, curable, and treatment is affordable.

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

The institution follows an academic program in accordance with the regulations of the Rajiv Gandhi University of Health Sciences [RGUHS] Karnataka, Bangalore and the Dental Council of India [DCI]. However, the following refinements have been made to include goals and objectives of the institution and hence follow an integrated system of dental education.

- The institution has a well-established protocol for diagnosis and management of oral diseases affecting the community. Well-developed infrastructure and expertise help the patients in availing the best treatment at nominal charges. This has found acceptance among the community stakeholders. Regular school oral health programs, screening and treatment camps are carried out in urban and rural areas. This ensures the needs of the community are met with, and exposes students to regional needs.

- The syllabus includes an adequate volume of information concerning dental science, which is imparted to the students through theoretical and clinical exposure. The institution encourages use of innovative teaching/learning methods comprising quiz programs, problem based learning and evidence based dentistry.
- The curriculum is implemented such that students are motivated to enter into the arena of research. UG research programs have also been introduced.
- Continuing Dental Education programs and enrichment courses for faculty as well as student development, with emphasis upon recent advances are conducted regularly.

These measures ensure that the goals and objectives of the institution are imbibed into the academic programs of the institution.

1.1.3 Does the institution follow a systematic process in the design, development and revision of the curriculum?

If yes, details of the process (need, assessment, feedback etc.,)

Yes, the institution follows a systematic process in the design, development and revision of the curriculum in accordance with the RGUHS and DCI.

Design and development of curriculum:

The institution is affiliated to RGUHS and is recognized by DCI. It follows the curriculum based on the regulations stipulated by DCI and RGUHS.

Revision of curriculum:

- Feedback is obtained from students on the curriculum periodically. The results are discussed and deliberated by the IQAC. The obtained suggestions are communicated to the RGUHS for incorporation, if feasible.
- Three of our faculty members are a part of the UG and PG Boards of Studies of the affiliating university. The feedback results are conveyed to the University through them.
- Twelve faculty members of the institution have participated in various curriculum-design-workshops organized by the RGUHS and DCI. This helps in understanding the curriculum formation process and makes it

easier to understand the nuances and suggest revisions in the curriculum in a more organized manner.

1.1.4 How does the curriculum design and development meet the following requirements:-

a. Community needs:

- As a part of the community service program the institution arranges school oral health programs on a regular basis program to educate children about good oral hygiene habits and the importance of dental health and inculcate healthy dental habits at an early age. A total of 55 such programs have been conducted in the last four years. Regular screening and treatment programs for adults are also conducted in urban and rural areas as a part of this program.
- Three satellite centres have been established in different areas of the city, where the dental treatment needs of the community are met.

b. Professional skills and competency:

The professional skills of the students and staff are improvised as given below:

- **Clinical skills:**
 - During the first 2 years of their course, students learn and practice dental procedures on models simulating the oral cavity. Subsequently, in the 3rd year, final year and Internship, they are exposed to patients. Their clinical skills while working on patients are constantly monitored by the supervising faculty and their performance is evaluated. The students develop their practical skills using the state of art technology and instrumentation along with hands-on experience, which helps them to develop professionalism and competency to excel.
 - Continuing dental education programs and workshops are organized regularly to update the knowledge / skills of the faculty as well as post graduate students. In the last four years, several such workshops have been conducted.

Communication Skills:

- Communication skills of students are honed through several modes including discussions and live demonstrations, hands-on experience with patients, project works, and personality development workshops. Four programs on positive psychology and youth awareness were conducted in the last four years, to promote better communication skills.

- **Soft skills:**

- While the students are being trained about clinical skills, the faculty also focuses on improving the communication skills with the patient. Emphasis is also given for the development of soft skills and interpersonal relationships with parents and colleagues, to inculcate a congenial attitude among the students during their clinical training.

c. Research in thrust /emerging areas:

- One of the major goals of the institution is the promotion of research programs for enhancing knowledge about recent advances in dentistry and contributing towards development of better diagnostics and therapeutic options related to oral and dental health. The institution encourages and supports these activities through seed money by the Trust and facilitating funding by University and other Research Bodies. Research projects/ dissertation are mandatory for all post-graduate students. The undergraduate and post- graduate students are also encouraged to carry out additional short-term research projects. Sixty three such short-term projects have been completed since 2009.

d. Innovation:

- The current curriculum followed at the institution facilitates innovation based learning and evidence-based dentistry. Faculty development programs are frequently organized to hone the teaching skills of the faculty. Institution has hosted three programs for training teachers; namely, two training of teachers programs (TOTs) and one program

organised by FAIMER. Students are encouraged to develop innovative/newer techniques for spreading the awareness of oral health in the form of board games, posters etc. to impart oral health education to children and adults.

e. Employability:

- The curriculum has been designed to provide sufficient theoretical and clinical exposure to the students which boosts their confidence and provides ample employment opportunities. Alumni of the institution have conducted several interactive lectures on global opportunities to the students. The training thus provided makes them competent enough to independently manage a private dental practice or a hospital set-up, and face global challenges. The institution has conducted five career guidance lectures in the last four years.

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

- The institution is affiliated to RGUHS and hence has adopted the curriculum designed by it. RGUHS has formulated the curriculum based on the regulations laid down by Dental Council of India.
- Three faculty of the institution are part of the University Boards of Studies and have been actively involved in leading curriculum reforms, to make both the undergraduate and postgraduate courses offered by RGUHS relevant and nationally/internationally comparable.
- The faculty members have also participated in various curriculum reform workshops conducted by various universities and Dental Council of India, New Delhi and the curriculum designed by RGUHS is being used as a bench mark for structuring newer curricula of several other universities across the country.

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

Yes. The curriculum revision process is carried out in accordance with various stakeholders. This includes obtaining feedback regarding the current curriculum and its review and subsequent submission for approval and implementation.

Inputs and feedback received from faculty, students, alumni and peers of different specialties are analysed and submitted to the University through the faculty who are members of the Board of Studies. This has in turn helped in reconstructing different academic programs.

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

The institution encourages allied departments to conduct conferences, continuing dental education programs with varied themes pertaining to the global advances in dental health care and evidence-based dentistry. Reputed national and international dental specialists are invited to conduct these programs and their suggestions (if any) are communicated to the RGUHS, while revision of curriculum is undertaken.

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

Not Applicable as our Institution is affiliated to the RGUHS.

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

Yes, the Institute focuses on additional skill development of its students as well as faculty.

- In the last four years, the Dept of Oral and Maxillofacial Surgery has conducted:
 - 1 CPR training program
 - 2 cleft lip and cleft palate programs and 4 oral cancer camps for the post graduate students.

- Dept of Oral Medicine and Radiology also involves students in programs such as:
 - a. Pre-Cancer and Cancer screening programs
 - b. Assessment of oral health in patients with disorders such as asthma, diabetes and temporomandibular disorders which are common in this region.
 - c. Counseling for Tobacco cessation at community levels
- Dept of Public Health Dentistry trains the students to understand the impact of socio-economic disparities on dental and overall health through its field visits. It also trains the students in health promotion strategies which are tailor-made to suit different population subgroups of the community.
- Students participate in dental camps and school oral health programs organized by the institution, which exposes them to regional needs and helps them form strategies to meet such needs. The institution has conducted 72 such dental camps in the last four years.

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

a. Behavioral and Social Science:

- Psychology is one of the aspects of behavioral sciences and is an integral part of clinical subjects namely Pedodontics, Orthodontics, Community Dentistry and Oral Medicine. This enables the students to understand the patient needs and manage them (particularly pediatric, geriatric and those with special needs) in a more efficient manner.
- The complex correlation of stress and disease has been well established. Such patients are identified and referred to professional experts for optimal management.
- Workshops on building up positive psychology are conducted on a periodic basis. Four programs on positive psychology and youth awareness program have been conducted in the last four years.

- Psycho Oncology postings for PG students help them understand the psychology of cancer patients and cater to their needs accordingly.
- Public health is one of the important fields of social science and the under-graduates/post- graduates are trained in this domain through the Department of Community Dentistry. Apart from rendering theoretical knowledge about community needs, clinical exposure is augmented through camps and school dental health education programs.

b. Medical Ethics /Bio Ethics / Nursing Ethics:

- Medical ethics is dealt with in detail at the under-graduate level to help inculcate ethical behaviour among the graduates. Students entering post- graduation are also exposed to an elaborate session of medical ethics through orientation programs. A workshop on Medical Ethics in Research was conducted in the year 2010 by Dr DK Srinivas in this regard. Ethical practice is also a subject which is commonly discussed during CDE programs.
- It is a routine practice in the institution to obtain a written consent from patients prior to conducting examination and investigations. Detailed information regarding the treatment procedure is provided to the patient and procedures are carried out only after obtaining consent, for ethical compliance. The graduates and post graduates are also encouraged to follow these ethical practices during the course of their employment.
- The Institution has an Institutional Review Board (IRB) and an Ethical committee to oversee research activities by the faculty and students. The anonymity of the patients is maintained during research activities following the norms of ethical principles.

c. Practice Management towards curriculum and /or services:

The institution is working towards management of curricular services through the following measures:

- a) By provision of wireless access of high speed internet to all faculty, PG and UG students.
- b) Integration of IT services for simple yet efficient communication with students and parents.

d. Orientation to research:

Research project in the form of dissertation is mandatory and is a part of the curriculum. Students and faculty are encouraged to conduct research to promote evidence based dentistry. Short – term research projects are also initiated, which inculcates an orientation towards research.

e. Rehabilitation:

Several steps are being taken to rehabilitate the patients diagnosed with habitual disorders and those with oral cancers

- Patients who visit the out-patient department are counselled regarding the ill-effects of adverse habits such as alcohol and tobacco consumption on oral health and are motivated for quitting the same.
- Two workshops on Tobacco cessation has been conducted in the last four years in collaboration with “Tobacco cessation cell”, Deaddiction Centre of NIMHANS, Bangalore.
- A module for tobacco cessation which can be used by dental professionals is being developed in the department of Oral Medicine by one of the Ph.D. scholars, in collaboration with M S Ramaiah Dental College.
- Rehabilitation of patients with extensive loss of tissue structures in the maxillofacial region due to trauma, head and neck cancers etc are carried out through appropriate prosthesis.

f. Ancient scriptural practices: Not Applicable

g. Health Economics:

- Nominal pricing of all the treatment procedures makes it affordable to all strata of the society.

- Prior to the treatment, the treatment protocol is discussed at length with the patients to help them make an informed choice. After initiation of the treatment the treatment procedures are monitored at every stage, to ensure that quality care is offered to the patient.
- Patients have the option of selecting from a wide array of treatment alternatives, based on their financial ability.
- Senior citizens are provided with 50% reduction in all the treatment charges.

h. Medico-legal issues:

- Informed consent is obtained from all patients before initiation of treatment or inclusion in any of the research projects. The patients are made aware of their rights and the risks of dental procedures at all instances. A record of all the cases examined and treated (along with consent forms) is maintained in the institution.
- An **Institutional Review Board** has been established in the institution to oversee ethical and safe practice during research. It is a mandatory procedure for all the research projects (including dissertations) to have ethical clearance from this board before conducting any study to maintain confidentiality/anonymity of patients and prevent harm.
- Orientation programs are periodically conducted by the ethical committee and/or guest speakers (during CDE programs) to increase the awareness about medico legal issues among the faculty and students

i. Enhancement of quality of services and consumer satisfaction:

- Suggestion / grievance boxes have been installed in the institution to obtain feedback from patients.
- Feedback forms also are given to patients and the opinions of the patients are looked into. These are frequently analysed and feasible suggestions are implemented.

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

Evidence – based dentistry is a recent concept in the management of oral conditions and is practiced globally. Our institution strives to follow this concept. The faculty and students are encouraged to discuss these aspects during seminars and CDE programs. The CDE programs also enlighten the students/staff about proven diagnostic and treatment methods for well-known or unknown orofacial disorders. Further, the treatment modalities with proven efficacies are often followed during patient management.

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

The institution has introduced various value- added programs as a part of the internship program. Some of these include:

- Continuing dental education programs and hands-on workshops conducted annually by various disciplines at our institution (52 such workshops in the last four years)
- Seminar presentation by the students (2557 in the last four years)
- Scientific paper and poster presentation at national- and state- level conferences (399 in the last four years)
- Postings at various satellite centres (52 in the last four years)
- CPR training (1 in the last four years)
- Health talks (181 in the last four years)
- Short term research projects (63 in the last four years)
- Hands-on courses (10 in the last four years)

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

a. Vertical and horizontal integration of subjects taught:

Horizontal integration:

Fifty three Clinico-pathological conferences have been conducted in the institution since 2009. In these meets, cases with unusual presentations

requiring multi- disciplinary approach have been extensively discussed by a panel of members from different departments. The inputs obtained from these conferences are shared with the faculty and students for better management of the patients.

Vertical integration:

Students of the preclinical years are frequently made aware of the applications of pre-clinical practices in clinical cases. Relevant clinical cases are discussed for understanding the basic sciences and its applications in clinical scenarios.

b. Problem – based learning (PBL):

The institution encourages the concept of PBL in which students learn about a subject through the experience of problem-solving. Case discussions are frequently held during which the students discuss the optimal diagnostic and therapeutic measures for certain unique cases. The goals are to help students develop flexible knowledge, effective problem-solving skills; self- directed learning, effective collaboration skills and intrinsic motivation.

c. Integration of subjects taught with their clinical application

Following steps are undertaken to help integrate the subjects being taught with clinical application

- Journal club and Clinical meetings are frequently held for UG and PG students to discuss about clinical cases and application of the treatment criteria learnt during theoretical classes
- Subject seminar conducted periodically in all subjects in PG curriculum
- Students/Interns are posted in satellite centers to understand the regional needs and apply their knowledge to arrive at amicable solutions for the local problems related to oral health

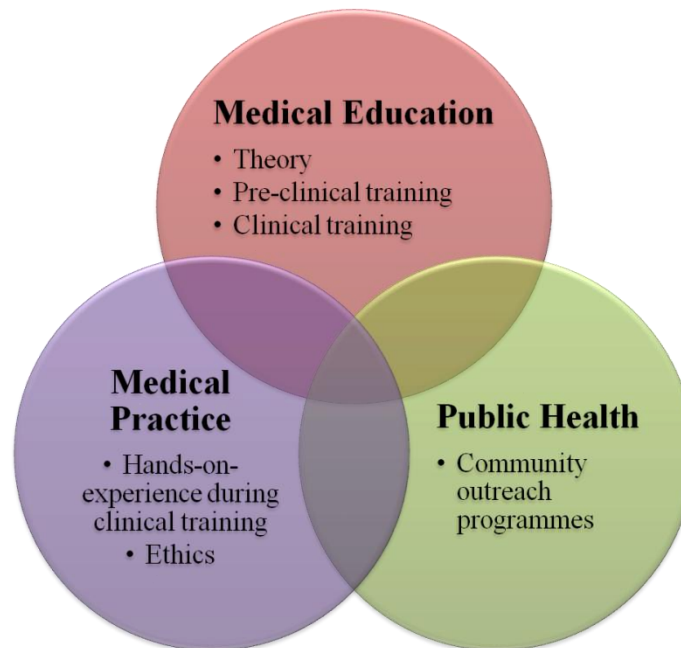
d.Integration of different systems of health care (Ayurveda, Yoga Unani, Homeopathy, etc.) in the teaching hospital.

Ayurveda, an alternative system of health care, has been found to be efficient in managing certain oral conditions. Hence, when conventional allopathic therapy is not satisfactory, Ayurveda has been utilized. For example:

- Turmeric and aloe vera have been used in the management of certain oral mucosal conditions
- *Acacia arabia* has been used for certain gingival diseases

Anxiety and stress have been found to be a triggering factor in certain oral conditions. Hence, patients with such conditions are counselled about the role of yoga as a stress- management technique.

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



One of the important components of the goals and objectives of the institution is to help the society reduce the oral diseases burden and oral health inequity. The activities outlined below are in line with and are integrated to the policies of public health dentistry to integrate medical education and practice with public health.

- School Dental Health Programs for screening and providing Oral Health Care - 55 programs conducted since 2009
- Adoption of rural communities through outreach programs at satellite centres of the institution- 29 programs conducted since 2009
- Cleft lip and palate screening and treatment camps along with Canara Bank Welfare Society - 2 programs conducted since 2009
- Oral Cancer and Pre-cancerous lesions screening camps - 4 programs conducted since 2009

Students and staff participate actively in various social awareness programs. The following program days are observed by the institution and awareness is created among the public about these aspects on the specific days

- AIDS awareness Day
- Diabetic Walk
- Antitobacco Day
- World Vision Day
- Oral Hygiene Day

1.2 Academic Flexibility

1.2.1 Furnish the inventory for the following:

Programs offered on campus

The institution offers almost all the programs in Dentistry as laid down by the Dental Council of India. The details are provided in the table below.

Sl no.	Type of Course	Number of Courses/Specialisation	Course Description
I	Graduate course	01	Bachelor of Dental Surgery
II	Postgraduate courses		
	a. Postgraduate Degree	09	Master of Dental Surgery <ul style="list-style-type: none"> • Oral Medicine and Radiology • Oral and Maxillofacial Surgery • Conservative Dentistry and Endodontics • Prosthodontics, Crown and Bridge • Periodontics • Orthodontic and Dentofacial Orthopaedics • Oral and Maxillofacial Pathology • Pedodontics • Public Health Dentistry

	b. Postgraduate Diploma	03	<ul style="list-style-type: none"> • Orthodontics and Dentofacial Orthopaedics • Conservative Dentistry and Endodontics • Prosthodontics, Crown and Bridge
III	Ph.D	04	<ul style="list-style-type: none"> • Oral Medicine and Radiology • Orthodontics and Dentofacial Orthopaedics • Conservative Dentistry and Endodontics • Oral and Maxillofacial Surgery
IV	IGNOU – PG course	03	Certificate in Oral Implantology
V	Certificate courses by RGUHS	02	<ul style="list-style-type: none"> • Aesthetic dentistry • Implant dentistry
VI	Fellowship programs	03	<ul style="list-style-type: none"> • Cleft lip and palate • Aesthetic facial surgery • Maxillofacial Prosthodontics
VII	Overseas programs offered on campus	01	Membership of the Faculty of Dental Surgery (MFDS) program, of the Royal College of Surgeons, Edinburgh

Total number of courses: 24

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

Sl no.	Provisions	Details
a.	Core options	Not offered by RGUHS
b.	Elective options	As in II b, III, V and VI or above
c.	Bridge course	Not applicable
d.	Enrichment courses	Conducted for both students / faculty in

		various specialities: 78 enrichment programs are conducted by the institution which includes CDES, workshops, conferences, personality development talks and career guidance lectures
e.	Credit accumulation and transfer facility	Option not offered by the affiliated university
f.	Courses offered in modular form	As per RGUHS
g.	Lateral and vertical mobility within and across programs, courses and disciplines and between higher education institutions	Not applicable
h.	Twinning programs/Dual degree programs	Not applicable

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

- other states,**
- socially and financially backward sections,**
- International students?**

Yes

All programs are open to students from other states as well as international students subject to compliance with the eligibility requirements prescribed by RGUHS, DCI and Govt. of Karnataka. Details regarding admissions and courses offered are publicized through the institution website, newspapers, alumni and students. Concession in fees (through scholarship) is provided to economically weaker students (ISR of the institution).

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

- The institution comes under self-financed category and does not receive financial assistance from the State Government or DCI.
- Concession in fees (Scholarship) is provided to economically weaker students. (ISR of the institution)
- Policies regarding admission, fee structure, teacher qualification and salary are in accordance with the regulations of COMED-K, Government of Karnataka
- Teacher qualification as per DCI is adhered to and uniform staff salary structure is practiced

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

No (not permissible as per RGUHS/DCI).

1.2.6 What percentage of programs offered by the institution follow:

- Annual system : UG/PG- 100%
- Semester system: NA
- Trimester system: NA

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

Following programs are conducted on a regular basis to promote inter-disciplinary coordination.

Name of the Program	Program Outcomes
Clinico-pathological meetings	Academic and clinical coordination between Oral Medicine, Oral Pathology and Oral Surgery departments of the institution
CDE programs	Offers interdepartmental discussions related to diagnostic and therapeutical options of various oral and maxillofacial conditions

Interdisciplinary department meetings	Attended by Post Graduate and faculty of involved departments to formulate a holistic approach in the treatments offered
School dental health programs	Conducted in collaboration with various departments of the institution
Satellite centres	Offers an integrated approach, exposure to public health issues and consultancy
Cleft lip and palate screening and treatment camps	Provides opportunity for different departments to work in coalition to address these issues

The following post –graduate programs of the RGUHS are interdisciplinary in nature:

- Cleft Lip and Palate
- Aesthetic Facial Surgery
- Aesthetic Dentistry
- Implant Dentistry
- Maxillofacial Prosthodontics
- Restorative Dentistry
- Oral medicine – Oral Pathology – Oral Surgery (Clinico-pathological meetings)
- Regular Interdisciplinary department meetings attended by Post Graduate and faculty of involved departments.

These programs train students in holistic patient management and ensures student skill development.

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

Several programs are conducted on a regular basis at the institution for enhancing the skills of the practicing professionals and also for career enhancement. These programs include:

- Lectures on recent advances in diagnosis and treatment of oral diseases
- Hands–on workshops by all departments at regular intervals
- Training in basic life support / CPR

- Career guidance by practicing clinicians, professionals employed in various organisation and alumni of the institution
- Periodic orientation programs related to career opportunities in other countries

1.3 Curriculum Enrichment

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

- The Institution obtains feedback from all the stakeholders regarding curriculum revision and the appropriate information is conveyed to the university through the faculty members (three) of our institution who are the members of UG & PG Board of Studies of Rajiv Gandhi University of Health Sciences. Based on such inputs the university revises the curriculum once in about 3 to 5 years.

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

a. multi / inter-disciplinary

None

b. programs in emerging areas

Following courses have been introduced at PG levels to cater to the growing needs of the community.

Stream	Course/Speciality	Year Introduced
Ph.D	Oral & Maxillofacial Surgery	2009
	Orthodontics	2010
MDS	Oral & Maxillofacial Pathology	2012
P.G.Diploma	Prosthodontics & Crown & Bridge	2012

To cater to the increase in demand ratio intake in the following specialities were increased in last four years:

MDS Specialities:

- Orthodontics – 02 seats
- Pedodontics - 01 seat

- Oral medicine & Radiology – 01 seat
- Conservative Dentistry & Endodontics – 01 seat
- Periodontics – 01 seat

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

Opinion and inputs regarding the existing curriculum is sought from all the stakeholders. This information is analysed by the institution. The faculty serving in the board of studies at the RGUHS convey the institution's opinion on curriculum revision to the university. University revises about 5-10% of the syllabus.

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

The institution has introduced several PG diploma courses, certificate courses and Ph.D. Programs for value addition to its students (Please refer Question 1.2.1 for details). The entries to these courses are as per the regulations of the affiliated University.

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

Yes. The details are as follows:

- Pre-cancer and Cancer detection - Dept. of Oral Medicine and Radiology
- Awareness of oral and systemic health implications of diabetes- The Institution
- Health promotion activities - Department of Public Health Dentistry
- "Right to Health" Advocacy drive- Department of Public Health Dentistry in collaboration with WHO, Dept of Public Health, RGUHS and CAMHADD-CTPHCF associations.

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

Several facilities and programs are made available to the students to ensure an overall personality development. Some of these include:

- In-campus gym facility

- Yoga classes conducted in campus by professionals – for students, staff and public.
- Personality development talks
- Career guidance lectures
- Counselling and mentorship
- Sports and cultural competitions held every year
- Participation in intercollegiate sports and cultural activities is encouraged
- State level inter-collegiate sports and cultural meet organized in 2011 (to mark the 20th year of establishment of the institution)

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

Yes, the curriculum ensures that the students are made aware of the issues related to aspects such as patient safety, confidentiality, rights and education. Some of the specific issues addressed are elaborated in the table below.

Aspects	Included in Curriculum
Patient Safety	<ul style="list-style-type: none"> • Standard aseptic and sterilization procedures • Radiation safety measures as prescribed by AERB • Management of patients with special requirements - such as children, geriatric patients, pregnant and lactating women, patients with chronic medical disorders • Emergency treatment procedures and basic life support • Fire drill for emergency evacuation
Patient Confidentiality/Rights	<ul style="list-style-type: none"> • Medical ethics which emphasizes on patient safety, confidentiality, rights and education • Steps to ensure confidentiality with regard

	<p>to patient diagnosis, investigations and management</p> <ul style="list-style-type: none"> • Measures to ensure confidentiality of the patient during case discussions, dissertation/thesis and paper presentation
Patient Education	<ul style="list-style-type: none"> • Preparation of health education models, charts and boards • Patient counselling regarding oral health care • Demonstration of various oral health care measures

1.3.8 Does the curriculum cover additional value systems?

Yes

- Across all dental specialties, it is ensured that the student follows ethical principles of informed consent, autonomy, anonymity and respect
- Students are evaluated for their chair-side interaction with patients, their courteousness, professionalism and attitude
- Students are taught ethical principles of being a humane dentist and that of a progressive researcher
- Students are exposed to the socio-cultural values prevailing in our community through exposure to various population subgroups
- On graduation day, all graduates take the Hippocratic Oath and norms of Code of Conduct

1.4 Feedback System

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

Yes, the institution obtains feedback directly from students in the form of a structured questionnaire and indirectly through parent teacher meetings.

Feedback is obtained regarding curriculum once in a year. The suggestions of the students with regard to the contents of the syllabus and the teaching

methodologies are analysed and communicated to the university through the faculty who are the members of Board of Studies at the RGUHS.

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

Yes. Feedback on curriculum from national and international faculty whenever they visit the college is obtained by Rajiv Gandhi University of Health Sciences.

Further, as a part of Rajiv Gandhi University of Health Sciences, the institution invites academic experts within and outside India for conducting workshops, seminars, and online discussions regarding the curriculum. Their feedback is analysed and the same is conveyed to the university through our faculty who are members of Board of Studies of Rajiv Gandhi University of Health Science for further perusal.

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

Three faculty members of the institution are members of Boards of Studies of the RGUHS. Hence they are involved in the curriculum designing and reforming. These faculty members are also able to convey the suggestions from the feedback obtained on curriculum in the institution.

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

The institution believes in delivering quality education to the students. Towards reaching this goal, the institution undertakes the following measures:

Quality sustenance measures:

- A well-functioning internal quality assurance cell (IQAC)
- Curriculum design in alignment with the Mission and Vision of institution.
- Regular Camps, School Health Programs, Training programs
- Orientation programs for UG & PG

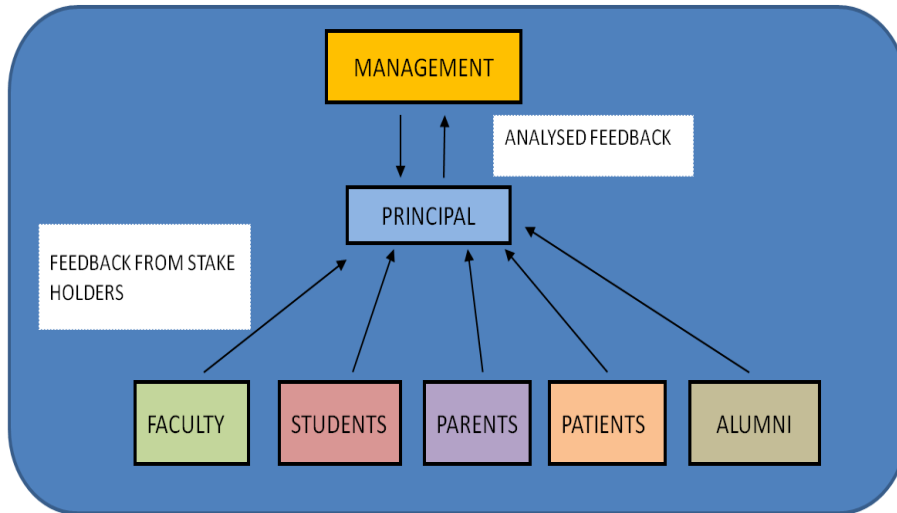
- Continuous performance Assessment
- Emphasis on knowledge, skills, good competency leading to employability

Quality enhancement measures:

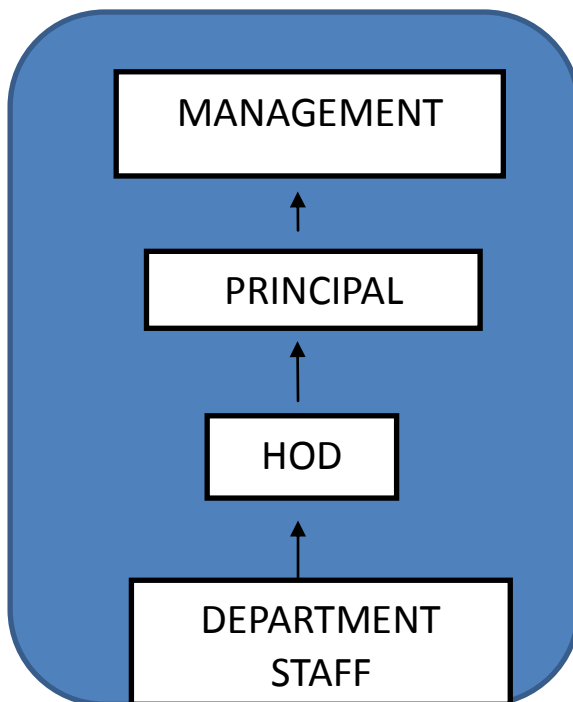
- Feedback system.
- Regular upgradation of infrastructure
- ICT enabled courses
- Remedial classes for slow learners
- Scientific presentations and publication
- Beyond syllabus teaching
- Faculty development and enrichment programs

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

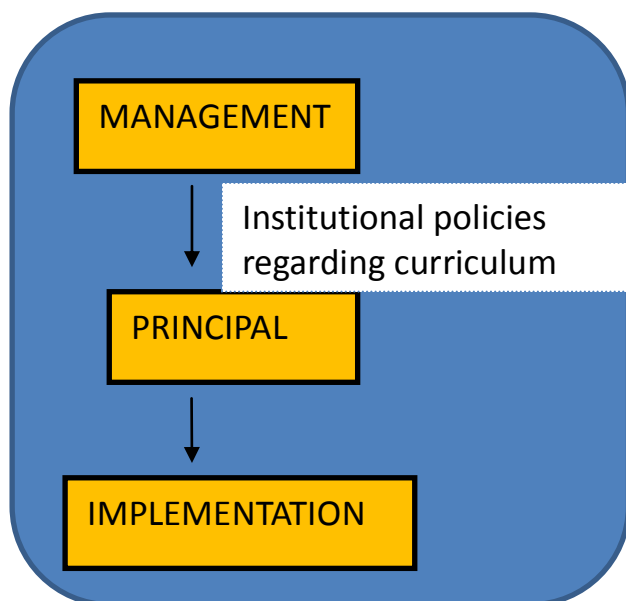
Feedback system as practised in the college is illustrated below:



Self-Appraisal



Implementation



1.4.6 Any other information?

The institution enhances the professional skills of the postgraduate students by exposing them to clinical programs, in addition to the prescribed curriculum. Some of the initiatives by different departments have been elaborated below.

Department	Initiatives Taken
Department of Oral Medicine and Radiology	Training the students in performing ultrasonographic examinations of the oral and maxillofacial region
Department of Orthodontics	Training the students in lingual orthodontics and conducts special training in photographic skills
Department of Oral and Maxillofacial Surgery	Conducts courses in Implantology
Department of Conservative Dentistry and Endodontics	Encourages the students in performing endodontic procedures using endodontic microscope
Department of Preventive Dentistry and Pedodontics	Permits the students to perform rehabilitation of patients under conscious sedation

CRITERION II: TEACHING - LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

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

- The institution strictly follows regulations and seat matrix laid down by Government of Karnataka and COMED-K (of which the institution is a constituent member) during the admission process thus maintaining transparency.
- The details of the courses offered along with that of admission procedure and other related information are available on the institutional website, which is updated on a regular basis. Application forms for admission to most of the courses are also available on the college website.
- Admission related information is published well in advance in national print media and is also available in the college premises for those who visit in-person.

2.1.2 Explain in detail the process of admission (eg: (i) merit , (ii) merit with entrance test , (iii)merit , entrance test , aptitude and interview , (iv) common entrance test ,(v)any other criteria (specify)

The process of admission is mainly based on Merit through the Common Entrance Test conducted by Government of Karnataka and by COMED-K. Few of the seats are filled through the management quota. The seat matrix has been elaborated below.

a. UG Courses:

- 50% through entrance examination conducted by Karnataka Examination Authority, (KEA), Government of Karnataka
- 35% through COMED-K authority
- 15% through Institutional NRI Quota /Management Quota

b. PG Courses:

- 33% of the seats are earmarked for CET candidates
- 42% of the seats for COMED-K candidates
- 25% for Institutional / Management Quota

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

Admission process is conducted by Karnataka Examination Authority through CET and private management college association through COMED-K and admission details are sent to RGUHS which maintains and monitors the admission records.

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

YES.

Admission process is in accordance with RGUHS/DCI regulation after the completion of admission every academic year (the last date of admission is specified by the concerned authorities). The details are sent to RGUHS and DCI. The local inquiry committee (LIC) of Rajiv Gandhi University of Health Sciences, inspects the institution every year before continuing the affiliation for the next year ensuring that admission process, staff profile, clinical material, infrastructure, and equipments are satisfactory.

The students profile is maintained individually to assess the performance and provide support for required students.

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

- **SC/ST**
- **OBC**
- **Women**
- **Persons with varied disabilities**
- **Economically weaker sections**
- **Outstanding achievers in sports and other extracurricular activities**

Seventeen percent of the available seats are given to the government by the institution for accommodating students belonging to these categories. Some of the strategies adopted to increase / improve access for students belonging to these categories have been elaborated below.

Categories	Strategies Adopted
SC/ST/ OBC	Book Bank facility, providing loan facility in the campus, counselling for underperformers
Women	Formation of sexual harassment prevention cell and women welfare cell
Persons with varied disabilities	Ramp facility, wheel chairs, comfort rooms and special parking place; language classes for international students
Economically weaker sections	Relaxation of date of fee collection, providing loan facility in the campus
Outstanding achievers in sports and other extracurricular activities	Financial assistance with awards

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

SI No.	BATCH	UG	PG	PhD	DIPLOMA	CERTIFICATE COURSE	
1.	2009	60	18	02	2	8	
2.	2010	60	18	02	2	6	
3.	2011	60	23		2	6	
4.	2012	60	27	02	3	7	

5.	2013	59	29		3	5	
6.	2014		29		3	2	
	Total	299	144	06	15	34	498

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

The demand ratio is evaluated by the DCI and the same is not available for analysis.

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

No.

2.2 Catering to Student Diversity

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

Yes.

Orientation programmes for UG:

For all fresher's, an orientation program is organized on the day of inauguration of their classes, every academic year to make them aware about the course, facilities available at the college and the faculty who can be contacted in case of any queries. The calendar of events, syllabus and timetable is issued to all the students.

Orientation programmes for PG:

All Post Graduate students of the institution attend an orientation program [PROLOGUE] organized by Rajiv Gandhi University Health Sciences every year. The students are provided with a hand book providing information about the goals, aims and objectives of the course, regulations governing the course and the syllabus and schedule of the course.

While an official feedback register is not maintained about the suggestions regarding orientation programs, any apt oral feedback obtained is incorporated in the subsequent year.

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

- The institution has separate hostel for boys and girls which are well staffed with resident wardens and in-house mess facilities to cater to the varied needs of the students.
- The proficiency in English language of foreign students is assessed and if required, English classes are arranged through an external agency.
- Books for translation of English into foreign languages are available in the library for the benefit of foreign students.
- Any deficiencies in standard of education at under graduate level are addressed in the pre-clinical program for PG students in various departments.
- All the departments are equipped with specially designed dental chairs for students who are left handers.

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

Learning needs of advanced and slow learners are identified usually during the internal assessments, assignments, pre-clinical and clinical exercises conducted on a periodic basis.

Following practices are adopted to respond to the learning needs of the slow learners.

- Student counselling and problem based learning.
- Use of ICT enabled teaching-learning methodologies (like smart board), PPT presentations, remedial classes, one-on-one teaching, group discussion, web-based learning, self-directed learning through assignments, quiz, pick and speak, use of MCQs, text book reading, work sheets, handouts, tutorials and language classes as appropriate.

To cater to needs of advanced learners the following practices are adopted:

- Incentives in form of recognition and awards for academic achievers.
- Encouragement, guidance and financial assistance for participation in the scientific conventions and conferences, scientific publications and presentations, as well as in extra-curricular activities.

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

Yes.

Bridge courses: The institution holds orientation programs at the beginning of the academic year to familiarise the dental curriculum to students. Before beginning with actual dental syllabus, introductory classes are taken to make the students aware of the individual subjects.

Remedial classes: The institution provides remedial classes for underperforming students. These classes are conducted during semi-annual vacation period and also during free hours.

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

YES.

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

NO, since it is a professional college there are no courses offered in local language. However, foreign students/ students from other states are guided/referred to language coaching centres close by for addressing the language needs.

2.2.7. What are the institutions efforts to teach the students moral and ethical values and their citizenship roles?

- Moral and ethical values are part of the RGUHS curriculum (included in the subject of Public Health Dentistry).
- The institution celebrates all the national festivals which help to inculcate national integrity and unity among students.
- The institution promotes and participates in various rallies which creates awareness about social causes and strengthens the moral and ethical values among its students. Such activities also promote the social responsibility amongst the students.
- Participation of students in community extension activities also adds to enhance social responsibility.
- On graduation, all the students take the Hippocratic Oath.

2.2.8. Describe in detail the orientation / foundation courses which sensitize students to national integration, constitution of India, art and culture, empathy, women's empowerment, etc?

- **National integration:** As mentioned earlier, college celebrates all the national festivals which sensitize students to national integration. Independence Day, Republic Day is celebrated every year, by the RSST and all the institutions of the Trust. On this day, the RSST felicitates all the staff and student achievers. All events of the institution end with the National Anthem.
- **Art and culture:** In the month of September every year, cultural programmes are conducted in the institution to encourage and promote art and culture among students. They are also encouraged to attend cultural fests conducted at other institutions.
- For women's empowerment, women welfare committee has been constituted as per the RGUHS regulations.
- Endowment lectures by eminent speakers from different fields are organized every year.

2.2.9. Has the institution incorporated the principles of lifestyle modification for the students based on Eastern approaches in their day to day activities?

- Mental and physical stamina is built up through a holistic approach. The Swami Vivekananda Yoga Kendra conducts Yoga sessions regularly for faculty and students in the campus.
- The institution strictly follows formal dress code to ensure uniformity among students.
- Participation in sports and co-curricular activities is encouraged.

2.2.10. Has yoga /Meditation/Any other such techniques been practiced by students regularly as self – discipline?

Yoga classes are conducted by professionals in the college campus, to encourage the students to practice the same. One of our faculty, Mrs. Lakshmi Narasimhan, has been encouraged to obtain a PhD in Yoga.

2.2.11. How does the institute attend to the diverse health issues [physical and mental] of students and staff?

Health issues of the students and staff are of utmost importance to the institution. To maintain the physical health, facilities provided include the following.

For Students:

- In house sports arena at the students hostel
- Collaboration with the Snap Fitness centre for physical fitness activities
- Encouragement and financial incentives to participate in the sports and cultural events at the institution level and inter college level (which helps to relieve the academic stress)
- Referral to mentors if students are noted to be suffering from acute stress, depression and low self esteem
- Presence of anti-ragging committee to prevent ragging and its associated mental stress
- Women welfare committee to address any grievances of women and for women empowerment.
- Health benefit schemes such as:
 - Accident benefit scheme
 - Medical insurance
 - Physical and mental health counselling when required

For Staff:

- Accident benefit scheme
- Professional indemnity insurance
- Maternity and paternity leave
- Fire and burglary insurance for the equipments
- Counselling services whenever required

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

Based on the performance of the students in the first internal assessment examination, practical and tutorial classes along with faculty feedback, the students are categorised as slow learners and advanced learners.

Remedial classes are planned and teaching methods are simplified to help slow learners.

For advanced learners, steps are taken to further improve their knowledge and skills. The advanced learners are given special assignments and encouraged to take active part in quizzes, competitions and seminars. Students selected at institutional level are sent to participate in state and national level conferences and competitions. They are encouraged to develop research temperament.

All the students are exposed to peer group learning where both the slow and advanced learners are combined. A friendly environment is created to improve the communication skills. A number of group activities like quizzes and presentations and research projects are organized to channelize their potential to accomplish better success.

2.3 Teaching –Learning process

2.3.1 How does the institution plan and organize the teaching–learning and evaluation schedules such as:

- **Academic Plan and Academic Calendar**

The planning process for teaching and learning begins with a meeting of all the HODs, UG / PG committee and course co-ordinators held at the beginning of the academic year. The academic calendar which includes tentative dates of University exams, internal assessment exams, public holidays, vacation period, along with dates of cultural and sports events is prepared during this meeting. The calendar of events and curriculum provided by Rajiv Gandhi University of Health Sciences is followed in this regard. An orientation programme is organized at the beginning of the academic year to inform the students about the academic events.

After preparation of the academic calendar, subjects/topics are allotted to respective faculty by the HOD of individual departments in consultation with the faculty members. Based on the number of working days, teaching days, internal tests and University examinations, a schedule for value added programmes is also prepared.

- **Teaching Plan**

Each department functions according to the teaching plan prepared at the departmental level. The unit wise syllabus is discussed with the faculty of the department and the course work is distributed. The faculty follows a lesson plan, which contains the details of contents to be covered. Timetable is prepared for both theory and clinical training and displayed on the notice board. As the course is delivered, the faculty members record the details of the

actual implementation (date) in the registry provided. The HOD reviews the progress of teaching periodically. If the faculty member/s plan any special classes, the same is to be communicated to the UG/PG Committee to make necessary arrangements.

- **Rotation plan:**

During clinical training and rotatory internship period, the students are posted in various speciality departments on rotation basis. The UG committee prepares these schedules at the beginning of the academic year, in agreement with the RGUHS curriculum.

- **Course plan:**

The institution follows the course plan prepared by the RGUHS as per the norms of DCI. During the course, additional events are added according to the need of the group or individual.

- **Unit plan:**

The departments which have additional units apart from BDS and MDS [such as PG Diploma, Certificate course] also follow the RGUHS Course Guide lines. Faculty for these are assigned and teaching plan is prepared at the beginning of the academic year.

- **Evaluation Blue Print**

- Student evaluation:**

Evaluation of the students is carried out by the following methods:

Undergraduate students:

- a. Three internal assessment examinations, including theory, practical/clinical and viva voce for each subject conducted during each academic year. The dates for internal assessments are announced in the academic calendar. The course co-ordinators prepare the detailed examination schedule well in advance. The students and faculty members are notified via circular and display on notice boards. The faculty evaluate the theory answer scripts and discuss the shortcomings with the respective students. Results of the assessment within 10-15 days from the date of completion of the internal assessment test.
- b. Regular tests conducted by individual departments based on assessment need.
- c. Posting end tests at the end of every clinical posting for the third and final year students.
- d. Continuous performance assessment conducted all through the year where the students are continuously assessed in terms of performance in theory and practical/clinicals, attendance, punctuality, behaviour, performance in internal assessment and seminar presentations (if any).
- e. University examinations at the end of each academic year.

Postgraduate students:

- a. Periodic assessment by means of discussions, presentations, seminars, journal reviews, regular tests and annual theory and practical examinations at the department level.

- b. In the third year, theory, practical/clinical and viva voce mock examinations are conducted, inviting examiners from outside institution, to prepare them for the upcoming university exams.
- c. University examination at the completion of third academic year.

Faculty evaluation:

As part of the measurement and monitoring mechanisms of the teaching process, each faculty is evaluated by his/her students during the course period. Also, each faculty member is allocated special roles and responsibilities, which they have to perform in addition to the teaching activity. The evaluation data is recorded and is analyzed annually based on self-appraisal method and feedback from students. The Dean examines the analysis and also pursues the feedback forms from HOD's for any additional comments/information provided by the students. Based on all these data along with own observation, the Dean advises and counsels the faculty members regarding further improvements.

- **Outpatient teaching**

Every clinical department conducts outpatient teaching to discuss and demonstrate various clinical signs, symptoms, diagnostic and therapeutic management of oral and maxillofacial disorders in a holistic manner. The students are grouped into batches of 4 to 6 students each at UG level, and 2-3 students at PG level. Chair-side teaching which involves case history-taking, group discussion and patient examination are regularly conducted. Dental treatment procedures are a part of curriculum in third, fourth and internship years, thus promoting experiential learning.

The out patients are examined and treated by a specific unit on a given day as per the departmental roster. The students who are posted to that department are supposed to attend the OP from 9:00 AM to 4:00PM. The faculty in-charge allots the cases to the students for presentation, discussion and supervised treatment procedures.

- **In-Patient teaching**

The students are trained to evaluate in-patients as a part of the subjects of general medicine and general surgery at the attached hospital. The students also have to attend clinical postings at these facilities during which they are trained about examination, diagnostic procedures and treatment plan of medical/surgical disorders/conditions.

- **Teaching in community**

By organizing camps either in collaboration with various organizations or independently, at schools, community centres and rural areas, the institution meets oral healthcare needs of the community. Awareness at community level regarding the importance of oral health is created with the use of charts, demonstrations and presentations. This also helps the students to be sensitized to the needs of the community, improves their communicating skills and makes them humble. The institution also has three satellite centres where students are posted on a regular basis to cater to the oral healthcare needs of the community.

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

Yes. At the beginning of each academic session, an academic calendar which includes the course plan (including timetable, examination dates and vacations) and objectives is prepared by the UG and PG Committees, with the help of year wise UG co-ordinators, according to the RGUHS regulations, and is approved by the Dean of the institution. The schedule thus prepared is strictly by all departments. Periodic feedback obtained by the HOD's of all departments ensures the effectiveness of this process. Staff meetings at the department level and HOD meetings with head of the institution are held periodically to oversee the compliance of scheduled programmes.

An orientation program is organized every year for the new batch of students and their parents during which they are made aware of the course objectives and schedules. An introduction of the institution and its faculty is also provided.

All post graduate students of the institution attend an orientation programme organized by the RGUHS. The students are provided with a hand book containing details about the goals, aims and objectives of the course, regulations governing the course, syllabus and schedule of the course.

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

The faculty, UG / PG Committee and year wise co-ordinators ensure that curriculum is completed within the time frame by adhering to the academic calendar and course schedule.

To cater to the students who are slow learners and are lagging in their prescribed clinical / practical quota remedial theory classes are conducted along with additional clinical / practical postings as required to meet the requirements.

2.3.4. How is learning made student centric? Give a list of participatory learning activities that contribute to holistic development and improved student learning besides facilitating lifelong learning and knowledge management

The institution believes that students are the first stake holders of institution and hence all learning activities are student centric. All students are taken into confidence and are guided, counselled and motivated from the beginning of the course. Feedback regarding the course and teaching methodologies are periodically obtained from students and appropriate changes are implemented if found necessary. The availability of ICT enabled classrooms, well equipped labs and ample number of books/periodicals/journals in college library further helps in keeping the students interested in the course.

Participatory learning activities include:

- Research oriented projects
- Sports and cultural events
- Personality development programs
- Group discussions
- Group activities
- Quiz and presentations
- Seminars
- Workshops
- CDE programmes, guest lectures
- Webinars
- Web-based learning activities (campus is Wi-Fi enabled)

Along with steps taken to improve the clinical skills in terms of decision making, problem-solving, and time management, the students are also trained in aspects such as communication skills with the patient and basic diagnostic knowledge. Before entering the clinics, the students are extensively trained in basic theory and simulated practical situations. The students have clinical case discussions and presentations, attend inter-departmental seminars and chair side viva to help them to connect theoretical knowledge with the clinical situation. The faculty members monitor these activities periodically and this would enable the students to supplement their classroom learning effectively.

The college also encourages the use of internet and computers by the staff and students to keep them abreast of the latest developments in their respective field of study.

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

The institution has a policy to promote every department's initiative to invite experts/people of eminence (based on the experience and expertise in the subject) to provide guest lectures and demonstrations in clinical services. As a result, every year several such activities are carried out in the respective subjects by each department.

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

Yes. The institution is Wi-Fi enabled which helps students to use their personal laptops within the campus for learning activities. There is an internet browsing centre in the library to encourage the students to use different e-learning resources in our library, including e-book readers and e-journals. Our institution has subscribed to HELINET consortium which provides unlimited access to scientific journals. Smart board facility with internet connection is also available. .

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

Use of ICT as teaching learning tool is a continuous ongoing process. The

institution is equipped with computer labs, virtual library centre, and is Wi-Fi enabled. In addition, the faculty has access to the following for effective teaching:

- Well stocked and continuously updated central library
- Department libraries
- CD/DVDs – videos for teaching on various subjects
- PowerPoint presentation database in departments
- Smart boards with internet connection
- Online journals and E-Journals subscribed through HELINET consortium
- E-books

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

There is no designated group among the faculty to monitor the trends and issues regarding developments in open source community and integrate its benefit in the institutions educational processes. Nevertheless, suggestions to improve access to such resources are considered by the Dean and management, and appropriate steps are taken whenever feasible.

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

In the last four years, efforts have been made to modify traditional class rooms. Some of these have been elaborated below.

- A new block with four ICT enabled classrooms and one auditorium has been constructed. The classrooms were inaugurated in April 2012. These classrooms are provided with:
 - Gallery type seating for students
 - Wide range of teaching/learning resources: blackboard, white board, LCD projector, Smart board and Wi-Fi connection, thereby enabling E-learning.
- Power connections available for student desks enabling them to use laptops in the classrooms
- Data base of lecture classes and power point presentation is maintained in each department and is updated regularly.
- There is a browsing centre with computers provided in the library.
- Webinars are conducted, with national/international speakers. The students are kept posted about the webinars, learning resources and meetings through the institution website.

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

Yes, there is a provision for counsellors/mentors/advisors for each class or group of students.

a. Mentorship:

- Individual attention is given to each student by the faculty.
- The students are divided into groups and each group is provided with a mentor to provide academic and personal guidance to the students. The mentor continuously assesses student's performance, identifies and encourages advanced learners and initiates remedial measures for slow learners. The mentor interacts with parents of the underperformers as well.

b. Counselling Committee:

- Whenever special counselling is required for the students, they are referred by the mentor to the counselling committee which counsels the student individually.
- In cases where professional help is required, the students are referred outside to specialised centres such as NIMHANS centre for psychosocial well-being.

2.3.11 Were any innovative teaching approaches/methods/practices adopted & implemented by the faculty during the last 4 years? If yes did they improve learning? What were the methods used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching.

A. The innovative teaching method/practices that are being followed in the institution currently have been elaborated below:

- a. ICT and smart board teaching: PowerPoint presentations, videos, etc
- b. Participative learning/ newer teaching methods used:
 - i. Group activities: buzz groups, focussed group discussion, projects
 - ii. Quiz
 - iii. Problem based learning
 - iv. Seminar presentations for UGs and PGs
 - v. Short term research projects for UGs and PGs
 - vi. Pick and speak
 - vii. Role play
 - viii. Textbook reading
 - ix. Open book examinations
 - x. Simulations and demonstrations
- c. Web-based learning is encouraged by:
 - i. Wi-Fi enabled campus
 - ii. Access to HELINET consortium

- iii. E-book readers installed in the library
- iv. Webinars in association with Indian Dental Association and American Dental Association
- v. Encouraging students to have PubMed accounts
- vi. Encouraging students and faculty to participate in online Continuous Dental Education programmes
- d. Experimental learning:
 - i. Outpatient teaching: clinical teaching in third, fourth and internship years
 - ii. Dental camps and school health care programmes

Methods used to evaluate the impact of such practices

Although there are no methods followed to specifically evaluate the impact of such practices, periodic internal assessments, class tests and University examinations do help in assessing the outcomes. An increase in number of University ranks, first classes, along with increase in number of awards for scientific presentations and receipt of grants by ICMR for student research has been noted in the recent years, which eventually reflects the impact of advanced teaching practices.

Recognition of faculty:

Teachers who have contributed significantly in the innovative teaching learning process are recognized by the institution and rewarded suitably in their career progression.

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

Creativity:

- Institution conducts an annual cultural, literary, sports program in the month of September, every year for the students as well as the faculty.
- Organisation and participation in intercollegiate festivals, cultural events and sports meets are encouraged. The students are also provided with financial support for the same.
- Students are encouraged to prepare colourful posters related to healthcare issues to be used during community health awareness programs

Scientific Temper:

Research projects, seminars, papers and poster presentations, along with participation in CDE programmes are encouraged among both UG and PG students in order to create a scientific temper and improve critical thinking among learners. Awards and financial support are given to students / faculty for scientific presentations.

2.3.13 Does the institution consider student projects mandatory in the learning programme? If yes how many programs have they been made mandatory (%)?

Yes, several projects are considered mandatory in the UG and PG courses. Student projects are mandatory in under graduate program in all the departments of which 75% are carried out in the institution while the rest 25% are carried out in external institutions. At PG level, 60% projects are carried out internally while 40% of the programs are carried out in external institutions.

- Number of projects executed within the institution - 166
- Number of projects executed in external institution - 60

The faculty plays the role of supervisor and if the project is carried out at institution/industry other than the constituent colleges, then a co – supervisor is appointed from the partnering organization. The faculty encourage the identification of topic that is clinically relevant and current in nature.

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

The institution has a pool of well qualified staff to meet the requirements of curriculum and meets the stipulated requirements of the DCI and RGHHS. Additional staff is recruited whenever required.

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

The entire faculty in institution are trained in the use of computers, ICT enabled teaching, and web based teaching. The campus is Wi-Fi enabled and facilities like Smart class, LCD screens, laptops, and overhead projectors are accessible to the staff of all the departments for computer aided teaching.

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

Yes.

- Students evaluate every teacher through a questionnaire issued by the institution. A committee of the institution analyses the feedback and provides an evaluation report to each teacher.
- A detailed analysis is obtained by the Head of the institution and is discussed with the concerned teacher in confidentiality to initiate steps for improvement if necessary.

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

Yes. The institute has conducted several webinars for teaching students about clinical procedures.

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

- **ICT enabled flexible teaching system - Yes**
All methods of teaching such as didactic lectures, interactive method, and project based learning, computer assisted learning, and experimental learning, seminars dissertations are used by teachers. ICT based teaching is given a thrust as principal mode of teaching.

Lectures are given using black/white board or use of modern multimedia teaching aids like OHP, multimedia projectors, and internet enabled computer systems which are employed for classroom instructions as well as other student learning experiences.
- **Reflective learning - Yes**
Activities such as group discussions, seminar presentations, and quiz enable reflective learning among students. Clinical training and case discussions promotes analytical thinking among the students and encourages continuous learning.
- **Simulations - Yes**
All dental procedures are initially taught with the use of simulators or study models. Phantom jaws, phantom heads and mannequins which give hands-on experience are used prior to the training on live patients.
- **Evidence based medicine - Yes**
Students and faculty are introduced about recent advances in diagnostic and therapeutic areas through several programs such as seminar presentations, CDE sessions and inter-departmental discussions conducted regularly. Students and staff are encouraged to follow treatments that are proven effective in several studies.
- **Emphasis on development of required skills, adequate knowledge and appropriate attitude to practice medicine - Yes**
The students are encouraged to learn and practise the skills required for the detection and treatment of oral health disorders. They are also mentored to have a patient friendly attitude and be humane.
- **Problem based learning (PBL) - Yes**
Case discussions, seminar presentations, chair-side discussions and group discussions are conducted regularly to develop the analytical skills of the students and improvise their ability to identify the cause of a disorder and choose the appropriate treatment.
- **Student assisted teaching (SAT) - Yes**
Students are encouraged to involve in group discussions, seminars, and workshops in order to bring out interaction and assist teaching/learning.
- **Self-directed learning and skills development (SDL) - Yes**
SDL and skills development is encouraged through projects, tutorials, assignments, clinical discussions and journal clubs.

- **Narrative based medicine** - Yes
A detailed case history of all the patients is taken along with disorder specific history in all departments. This helps in understanding the psychological and personal history of the patient along with possible underlying causes that would have given rise to the current condition/disorder. Thereby, students are encouraged to understand the patient and the disorder better, so that a holistic solution can be made possible.
- **Drug and poison information assistance centre** - Not applicable
- **Ayurveda practices** - Not applicable
- **Yoga practices/ Yoga therapy techniques** - Yes
Basic yoga training is made available within the campus through trained personnel.
- **Naturopathy and its practices** - Not applicable

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

Yes. Records are maintained by trained and qualified personnel which are used for teaching-learning processes.

Following software is available for teaching and learning:

- AKOS
- NEMOCEPH
- EMAGO IMAGING SYSTEM
- IMAGE ANALYSIS
- KODAK SOFTWARE
- PSP
- ULTRASOUND SOFTWARE
- WARP & MORPH

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

Yes, the institution has well documented procedures for case sheet writing, obtaining informed consent and the discharge process of the patients.

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

Yes, the concerned departments produce videos, photographs, radiographs, and histopathology slides which are used for teaching-learning processes.

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

No

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

The institution does not have drug and poison information and poison detection centres.

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

Basic yoga training is provided in the institution.

2.3.25 Laboratories/Diagnostics

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

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

Student’s learning process in the laboratories/diagnostic is monitored through internal assessments, viva voce, assignments and discussions conducted regularly.

The laboratory time table (for different courses) are as below:

2013:

I BDS

D.A.P.M.R.V.DENTAL COLLEGE J.P.NAGAR, BENGALURU TIME TABLE FOR I B.D.S. COURSE (2013 - 2014 REGULAR BATCH) (NEW SCHEME RS 3)					
Date : 03.08.2013					
Day	9A.M. – 10A.M	10A.M – 11A.M	11A.M – 1P.M	1PM To 2PM	2 P.M – 4 P.M
Monday	DADH (L)	Biochemistry (L)	Physiology / Biochemistry (P)	LUNCH	Histology (P)
Tuesday	Physiology (L)	Anatomy (L)	Anatomy (P)		Anatomy (P)
Wednesday	Dental Materials (L) Conservative/Prosthetics	Biochemistry (L)	Anatomy (L)		DADH (P)
Thursday	Physiology (L)	Biochemistry (L)	Anatomy (L)		Anatomy (P)
Friday	Physiology (L)	Anatomy (L)	Physiology / Biochemistry (P)		Dental Materials (P) Conservative / Prosthetics (alternate weeks)
Saturday	DADH (P)	DADH (L)			

II BDS

D.A.P.M.R.V.DENTAL COLLEGE & HOSPITAL J.P. NAGAR, BANGALORE THEORY TIME TABLE FOR II B.D.S COURSE (RS 3) CLASSES COMMENCE FROM 12.08.2013					
Day	9a.m – 10am	10 am – 11 am	11 am – 12.30 pm	12.30 to 1.30	1.30 pm to 3.30 pm
Monday	DM (L) Prosthetics	Gen. Pathology. (L)	Pharmacology (L)	-	DM (P) Batch III
Tuesday	DM (L) Conservative	Microbiology (L)	Pato/Micro/Pharm (L)		Pre-Clinical Operative / Pre-Clinical Prostho (P)
Wednesday	Gen. Pathology. (L)	Microbiology (L)	Pre-Clinical Operative / Pre-Clinical Prostho (P)		DM (P) Batch III
Thursday	Microbiology (L)	Gen. Pathology. (L)	Pato/Micro/Pharm (P)		Pre-Clinical Operative / Pre-Clinical Prostho (P)
Friday	Oral Pathology (L + P)		Pre-Clinical Operative / Pre-Clinical Prostho (P)		Pharmacology (L + P)
Saturday	Pre-Clinical Operative (L)	Pre-Clinical Prostho (L)	DM (P) Batch III		

III BDS

D.A.P.M.R.V.DENTAL COLLEGE & HOSPITAL J.P. NAGAR, BANGALORE TIME TABLE FOR III BDS STUDENTS UNDER RGUBS (ES-1) SCHEME Regular batch)						
DAYS	8.30 TO 9.30	9.30-10.30	10.30-11.30	11.30-12.30	12.30 TO 1.30	1.30-3.30
Monday	Oral Surgery (L)	Oral Pathology (L)	Oral Pathology (P) Batch I Comm. Dentistry Batch II (P)			Dental Clinics
Tuesday	Periodontics	Dental Clinics			Lunch	Dental Clinics
Wednesday	Periodontics (L)	Conservative Dentistry (L)	Oral Pathology (L)	General Surgery / General Medicine Lecture & Clinics At Sevakaashetra Hospital 11.30 to 1.30	Lunch	1.30-2.30 PM Lunch 2.30-3.30 PM Gen. Surgery Dr. Vasanth
Thursday	Public Health Dentistry (L)	Oral Pathology (L)	Oral Pathology (P) batch II Comm. Dentistry Batch I (P)			1.30-2.30 Gen. Medicine (L) Dr. J.P. 2.30-3.30 Gen. Surgery (L) Dr. G.K.S
Friday	Oral Pathology (L)	Oral Medicine (L)	Prosthodontics (L)	General Surgery / General Medicine Lecture & Clinics At Sevakaashetra Hospital 11.30 to 1.30	1.30-2.30 PM Lunch	2.30 to 3.30 Gen. Medicine (L) Dr. Raghavendra Prakash
Saturday	Orthodontics	Orthodontics / Prosthodontics Batch I & II Practicals				1.30 to 2.30 Gen. Medicine Dr. Raghavendra Prakash 2.30 to Gen. Surgery (L) Dr. Shency/Dr. Vasanth

Student staff ratio in the laboratories/diagnostics

Sl. No.	Laboratory/ Diagnostics	Student: staff ratio (Batch wise)
1.	Anatomy	15:1
2.	Biochemistry	30:1
3.	Physiology	15:1
4.	General Pathology & Microbiology	60:1
5.	Oral Pathology	UG-15:1 PG- 1:1
6.	Pre-Clinical Prosthodontics & Dental Materials	15:1
7.	Pre-Clinical Operative & Dental Materials	10:1

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

The regulations and curriculum of Rajiv Gandhi University of Health Sciences prescribe a minimum number of procedures to be carried out by each student and the individual departments monitor the students to perform more than stipulated number of procedures as prescribed by the university. The details of the same are maintained as record books and log books by the students and as treatment records by the institution.

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

The information on complementary and alternative systems of medicine like yoga, physiotherapy, accupressure, accupunture, hydrotherapy, speech therapy, and ENT are orally informed to patients whenever appropriate.

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

The methods used to promote teaching-learning process in the clinical setting are model work exercises, procedures performed on extracted teeth, discussions on various topics, chair side viva voce, and training on simulated patients (phantom heads and typhodont jaws).

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

Yes.

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

Yes.

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

➤ **Number of didactic lectures** for undergraduate training is as follows

Sl no.	Subject	Lecture hours
1	General human anatomy including Embrology, Osteology and Histology	100
2	General Human Physiology, Biochemistry, Nutrition and Dietics	120+70
3	Dental Materials	80
4	Dental Anatomy, Embryology, and oral Histology	105
5	Dental Pharmacology and therapeutics	70
6	General Pathology & Microbiology	55+ 65
7	General Medicine	60
8	General Surgery	60
9	Oral Pathology & Microbiology	145
10	Oral Medicine & Radiology	65
11	Paediatric & Preventive Dentistry	65
12	Orthodontics & Dental Orthopaedics	50
13	Periodontology	80
14	Oral & maxillofacial surgery	70
15	Conservative dentistry & endodontics	135
16	Prosthodontics & Crown & Bridge	135
17	Public health dentistry	60
	Total	1590

➤ **Number of students in each batch**

Course	I year	II year	III year	Total students
Undergraduate	NA	NA	NA	60
Post graduate				
Oral medicine	3	3	2	8
Oral surgery	2	2	2	6
Prosthodontics	3	2	3	8
Conservative dentistry &	5	4	4	13
Endodontics	3	2	2	7
Periodontics	3	3	3	9
Pedodontics	5	5	5	15
Orthodontics	2	2	2	6
Community dentistry	3	3	-	6
Oral pathology				
Ph. D	NA	NA	NA	5
PG Diploma				
Conservative dentistry	1	1	NA	2
Orthodontics	1	1	NA	2
Prosthodontics	1	1	NA	2
Certificate courses				
Aesthetic dentistry	3	NA	NA	3
Implantology	2	NA	NA	2

➤ **Number of rotations**

Nil

➤ **Details of student case study**

No

➤ **Nursing care conference**

Not applicable

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

Mannequins / simulation / skills laboratory for students teaching:

Department	Phantom head	Simulators
Oral & maxillofacial surgery	-	2
Prosthodontics	33	-
Conservative dentistry & Endodontics	37	-
Pedodontics	3	16
Orthodontics	-	6
Periodontics	-	9

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

4 students

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

Department	Per week	Per month	Per year
Oral & maxillofacial surgery	4-5	20	240
Prosthodontics	1	4	52
Conservative dentistry & Endodontics	2	8	96
Pedodontics	4	16	192
Orthodontics	0-1	0-1	4
Periodontics	15	55	660

➤ **Autopsy/ post mortem facility**
Nil

2.4 Teaching Quality

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

- Faculties are encouraged to attend the orientation programs organized by the RGUHS every year.
- Faculty are encouraged to participate in continuing dental education program conducted either within the institution or at other institutions
- Faculty training programmes are organized at the college eg. T.O.T. by Rajiv Gandhi University of Health Sciences.
- Active participation of faculty and students in speciality conference and conventions is encouraged.

2.4.2: Does the institution encourage diversity in its faculty recruitment? Provide the following details

Department	% of faculty from the same institution	% of faculty from other institution within the state	% of faculty from institution outside the state	% of faculty from other countries
Oral Medicine	75%	25%	-	-
Oral & Maxillofacial Surgery	33%	67%		
Prosthodontics	37.5%	37.5%	25%	-
Conservative Dentistry & Endodontics	25%	67%	8%	
Oral Pathology	25%	75%	-	-
Periodontics	20%	80%	-	-
Community Dentistry	50%	50%	-	-
Pedodontics	60%	20%	20%	-
Orthodontics	0%	100%	-	-

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

Applications from eligible candidates all over India (as specified by the RGUHS and DCI) are invited while conducting interviews for appointing new faculty. Appointments are based on detailed interviews to assess the qualifications, experience and overall quality of the individuals. A total of 27 faculty members have been appointed in the last four years.

2.4.4 How many emeritus/adjunct faculty/visiting professors are on the rolls of the institution?

None at present

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

- All teachers are encouraged and sanctioned study leave to pursue higher studies.
- Faculty members, who are invited to present their posters/papers at national/international conference/seminars/workshops, are granted permission and are offered financial support from the college.
- The departments are encouraged to organize national/international conferences by providing financial support
- The college encourages the teachers to take up research projects.
- Leaves are also granted to teachers to attend orientation and refresher courses as well as for attending national/international conferences
- College promotes faculty development by granting them deputation to attend conferences, CDE programmes and seminars.
- The college encourages the faculty in every possible way to establish and develop professionally.

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

A total of 17 faculty members have received fellowship awards from various national and international universities during the last four years.

2.4.7 How many faculties underwent professional development programs during the last four years?

All the faculty have been given an equal opportunity to attend development program

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

Institution does not have a direct role in curriculum development, teaching learning methods, examination reforms, content/knowledge management etc, as it is bound by the regulation of the RGUHS.

However the institution indirectly contributes to curriculum development, teaching learning methods, examination reforms, content/knowledge management, by providing feedbacks in the work shop conducted by the University. The institution along with the university has organized CDE programs, workshops for the above purposes on several occasions.

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

Yes. Following mechanisms are employed to retain and encourage the faculty

- Uniform pay scale for each grade/post
- Welfare schemes for staff
- Incentives in the form of awards, financial assistance for research projects, academic excellence, publications and presentations
- Sabbatical leaves sanctioned for pursuing research / fellowship projects abroad
- Staff quarters within the campus
- Education facilities offered to staff children at institutions run by the Trust including higher education
- Staff recruitment and promotions are done in a well-defined transparent manner
- Provide free treatment for staff and their family

Annual attrition rate among the faculty is less than 1%.

2.4.10 Does the institution have a mechanism to encourage

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

***faculty exchange programs with national and international bodies?**

If yes, how have these schemes helped in enriching the quality of the faculty?

The institution encourages faculty to visit overseas universities, national and international bodies for the purpose of enriching their academic excellence. Incentives in the form of sabbatical leave are provided to these faculties for obtaining the same. These have resulted in many contemporary approaches in the treatment facilities provided in the institution.

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

Yes

The institution supports policies and practices to enhance recruitment, retention, and advancement of health science professionals. Attempts have been made to foster a positive and complete work environment through programs and career-development opportunities that include support at critical work/life transition points.

Career-development programs are held for the students, faculty and alumni at the institute to help address barriers in career advancement and to create awareness about the various career development prospects. Experts on career options for health science professionals have been invited at various programs to guide the budding dental professional.

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

Several steps are undertaken to have a synergistic relation with other PG institutes for generating required number of specialists and super specialists. The clinical and research work are carried out in association with various other universities, medical and research institutes such as Showa University, Japan; Kidwai Memorial Institute of Oncology; The National Institute of Mental Health and Neuroscience (NIMHANS); Bangalore Institute of Oncology (BIO); and VittalMallya Scientific Research Foundation. This helps students to gain in-depth knowledge about their speciality and also aids in career advancement.

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

Yes

CDE programs and hands on workshop are conducted to enrich the faculty on recent aspects of sub-specialities on a regular basis. Some of the courses conducted in this regard include hands on course on lingual orthodontics, digital radiography, and aesthetic dentistry.

2.5 Evaluation Process and Reforms

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

Information about the evaluation process is briefly explained to the students and parents during the orientation program (conducted for each UG and PG programme) and also during parent teacher meeting.

The evaluation process is discussed and explained to all the faculties at the beginning of the year and prior to the conduct of the internal exams and final exams by the Examination committee. The regulations and instructions issued by the university are circulated among the staff and students for information and a copy is displayed on the College notice board.

Students are also informed about the process of evaluation of examination, projects and viva-voce frequently throughout the period of study. As per Rajiv Gandhi University of Health Sciences, the schedule for internal tests and dates of submission of assignments are included in the calendar of events and the same is informed to the students well in advance.

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

Three internal assessment exams instead of two internal assessments comprising all components of theory, viva voce, practical/clinical are conducted to have a continuous process of evaluation.

The internal assessment papers are discussed with individual students after evaluation for ensuring transparency.

Mock exams for PG students are conducted in all the departments with the help of external experts.

Video recording of theory, viva voce components of the University examinations are done.

Online papers are sent by University half an hour before the examination. Multiple evaluations are done to eliminate variability.

Facilities to obtain photocopy of the answer script is available at the University.

2.5.3 What is the average time taken by the University for Declaration of examination results? In case of delay, what measures have been taken to address them? Indicate the mode/ media adopted by the Institution for the Publication of examination results (e.g.)

Average time taken by the university for declaration of results is 1-2 months. To avoid delay in this process, university makes sure that there is timely dispatch of the answer scripts to the valuation centre. University also directs the valuation centres to complete the valuation process within the stipulated

time. It is also made compulsory for the eligible examiners to evaluate the scripts. Online entry of marks is done for speedy declaration of results.

Results declared by Rajiv Gandhi University of Health Sciences are put up on the University website. A hard copy sent to the institution is put up on the notice board.

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

- Several measures are taken by the university and the institution to ensure transparency in the evaluation process. Some of these are given below. For practical / clinical examination, one internal examiner from the institution and an external examiner from outside the state are appointed. The appointments are kept confidential.
- For PG examination, there are two internal and two external examiners.
- Bar coding of theory answer scripts are done by university and distributed to different institutions for evaluation. Papers are evaluated by two examiners and in case of wide variations, 3rd valuation is carried out.
- Photocopy of the answer scripts could be obtained by the university on request.
- Internal assessment examination answer papers are discussed with respective students after evaluation process.

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

Several rigorous steps are followed by the university to ensure confidentiality during examinations.

- Setting up of question papers is kept confidential by the university.
- Theory question papers are made available online which can be downloaded and printed with SMS enabled keys just 30 minutes before the theory examination.
- Answer booklets are sealed and sent to the university. The answer booklets are bar coded by university and distributed to different institutions for evaluation. Evaluators are thus unaware of the students' identity.
- Papers are evaluated by two examiners for undergraduates and four examiners for post graduates and in case of wide variations, 3rd or 5th valuation is carried out. For UG practical / clinical examination, one internal examiner from the institution and an external examiner from outside the state are appointed. For PG examination, there are two internal and two external examiners. These appointments are kept confidential.

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

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

Yes. The time table and hall ticket generation is carried out by the university. Invigilators are appointed from the faculty of the college while the squad is appointed by the university. The question papers for the examinations are downloaded on the day of examination while the internal marks are uploaded to the university website by the institution.

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

Yes. The institution has high speed broadband connection to download the question papers. Supply of examination material and logistics is handled by the university.

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

Yes. The attendance and other related details are sent to the university. The results are processed by the university and the certification is provided by the university.

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

Some of reforms introduced by the university recently include the following

- Online entry of practical / clinical marks by all institutions.
- Multiple evaluation of bar coded answer scripts and online entry of marks.
- Photocopy of evaluated answer scripts provided on request at the University level.

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

Photocopy of valued answer scripts along with facilities for re-totalling is available on appeal at university level.

Institution has a well-staffed separate examination section in administrative office which caters to the needs of students during institutional and university examinations.

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

Yes, there is a column in the invigilator's diary to enter details of any malpractice during examination which is duly signed by the invigilator and the room superintendent.

Novel practices to ensure transparency during examinations:

- CCTV footage made compulsory during theory examination
- A.V. recording of viva voce during University examination.

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

The examination section works independently during the entire examination process which ensures confidentiality. The examination time table is followed with no delays in either conduct of examination or declaration of results. An elaborate system of coding is followed at the University for ensuring confidentiality of the answer scripts. An online method of entering marks related to theory, practicals/clinical and viva voce has ensured speedy processing of results.

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

*** Compatibility of education objectives and learning methods with assessment principle, methods and practices.**

Teachers are encouraged to take a feedback from the students after the lecture at regular intervals. Based on the feedback, the teachers are evaluated for the method of teaching, teaching tools used, pace of the teaching and level of interaction and changes in teaching method is brought about if found necessary.

Discussions with the students are held after a lecture to understand their level of understanding and accordingly reinforce the concepts taught earlier.

*** Balance between formative and summative assessments.**

The students are assessed using both formative and summative approach at different levels.

Formative assessment of students is done on a day to day basis following regular theory classes and practical and also at regular intervals through class tests and internal assessments. Students are also assessed for their understanding of the topic, clinical/practical skills, communication skills and analytical skills through group discussions, seminar, tests and case

discussions. Internal assessments are held at regular intervals as per the rules and regulations laid down by the DCI and RGUHS.

UG and PG courses are concluded with a summative assessment through university examination in which both theoretical knowledge and practical skills are assessed. However, while announcing the results, weightage is given for both internal assessment and university exams as per the university rules.

*** Increasing objectivity in formative assessments**

Formative assessment is carried out at regular intervals throughout the year with clearly defined criteria. Questions with different levels of difficulty are chosen for theory examinations during internal assessment, keeping in mind the different learning ability and levels of students' (e.g. slow learners and advanced learners). To avoid subjective variations in the evaluation, questions are discussed among staff members prior to the evaluation and key points in the answers are determined. Further, examiner bias during practical examinations is prevented by changing the evaluators on a regular basis. During the clinical and practical examinations, students are assessed based on predetermined criteria there by increasing the objectivity.

*** Formative (theory /oral/clinical/practical) internal assessment, choice based credit system, grading/marking.**

Formative internal assessment is based on marking method.

*** Summative (theory /Orals/clinical /practical)**

Summative examinations are conducted by Rajiv Gandhi University of Health Sciences, Karnataka twice a year (during June/July and December/January). Two examiners handle the practical/ clinical exams, out of which one is appointed by the university (external examiner) and the other is appointed by the institution (internal examiner). Theory papers are evaluated by two examiners. If there is any discrepancy, it will be evaluated by a third valuator.

*** Theory structure and setting of question papers Essays, long answers, short answers and MCQs etc. Question bank and key answers**

For B.D.S.:

There are three types of questions:

1. Long Essay (structured): Two questions carrying 10 marks each
2. Short essays (Brief answers): Eight questions carrying 5 marks each
3. Short answers (answered in few lines or to the point): Five questions carrying 2 marks each

For M.D.S.:

Subject is divided into four papers.

Paper I to Paper III will have two types of questions:

1. Long essay (Structured): Two questions carrying 20 marks each
2. Short essays (Brief answers): Five questions carrying 7 marks each

Paper IV (Essay) will have two questions out of which one has to be answered. That question will carry 75 marks.

The question papers are formed by the university and the previous year's question papers are available in the library for the students' reference

*** Objective Structured Clinical Examination (OSCE)/**

The university has not implemented OSCE for the examination. Hence, the examination is conducted based on aspects such as performing a clinical procedure on the patient, identification of spotters, chair side discussions and viva (to make it more objective), as prescribed by the university.

*** Objective Structured Practical Examination (OSPE)**

The university has not implemented OSPE for the examination. Hence, the examination is conducted based on aspects such as doing a procedure on the model, laboratory tests, spotter, table side discussions and viva (to make it more objective), as prescribed by the university..

***Any other**

Students are asked to present seminars at regular intervals to know their level of understanding. They are also asked to demonstrate various procedures to understand their clinical skills.

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

CCTV cameras are installed in the class rooms to monitor any kind of malpractice during examinations. Students are refrained from using any type of electronic gadgets or carrying any material relevant to the subject into the examination hall. Students' identity is cross checked with the identity card. During clinical/ practical exams, proceedings of viva voce are recorded to avoid any malpractices. No cases of malpractice have been reported in our institution till now.

2.6 Student performance and learning outcomes

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

Yes.

The graduate attributes are articulated in terms of:

- Knowledge of the subject
- Practical/clinical skills
- Interpersonal relationships
- Communication skills
- Orientation towards research
- Pedagogical skills
- Ethics

These attributes are monitored and implemented through theory classes, seminars, discussions, preclinical/clinical assignments, interdepartmental meetings, interaction with the patients, taking classes, CDE or workshops and various student projects. The outcome is assessed through tests, practical exams, discussions and viva-voce.

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

Yes. The college has clearly stated the learning outcomes for its programmes. The learning outcomes are clearly defined in the beginning of the programme and the same is conveyed through the manual prepared by the DCI. Copy of the same is given to the students and to each department and is made available to the staffs. This is also conveyed through orientation programmes at the beginning of academic year, parent teacher meetings and staff meetings.

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

The institution provides an environment which is conducive for critical thinking, rational analysis, skill development and knowledge enhancement. The faculty are trained in teaching methods to effectively address students from different backgrounds and also to keep abreast with recent technologies. The academic committee of the college plans the academic calendar for the whole year so that the recommendations from the university are met. Student centric curriculum and teaching is designed so that the required learning outcomes are achieved.

The learning outcomes are achieved through theory classes, seminars, discussions, preclinical/clinical assignments, interdepartmental meetings, interaction with the patients, CDE or workshops and various student projects.

The outcome is assessed through tests, practical exams, discussions and viva-voce.

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

The achievement of intended learning outcomes is ensured through the following practices:

- Conducting regular theory and practical tests
- Mentoring the students by the assigned staff
- CPA cards
- Regular parent teacher meeting
- Record keeping
- Enforcing minimum attendance
- Clinical quota and assignments
- End term examinations

Any additional information regarding Teaching, Learning and Evaluation, which the institution would like to include.

Remedial classes, under graduate student research projects and presentations, quiz, problem based learning, working on the dummy models, regular parent-teacher meetings and group discussions are practiced which have improved the results as well as nurtured the critical thinking among students.

3.1 Promotion of Research

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

Yes. A part of the Institution Review board has a subsection which monitors and addresses issues related to research.

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

Yes, it has a 7- member committee. The members of the committee are as follows.

- Dr. Dinesh M.R (Chairman &Head of the Institution)
- Dr. M. Maiya (General Physician at Maiyya's Hospital)
- Mr. C.G.S. Sarma (Consultant DRDO)
- Mr. B.S.Raghu Prasad (Advocate)
- Dr. Veena (Head of the Department of Pharmacology)
- Dr. Harikiran A.G (Head of Dept. of Public Health Dentistry & Convener)
- Dr. Suchetha A. (Head of Dept. of Periodontics)

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

The university (RGUHS) facilitates research in all its affiliated colleges and in all courses under its umbrella. There are annual funds earmarked by the RGUHS for this purpose which is provided to eligible candidates/institutions. It also allows PhD programs in the affiliated colleges which fulfill the requirements for the same.

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

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

❖ **Advancing funds for sanctioned projects**

The institution gives full authority to the Principal investigator to carry out the research.

❖ **Providing seed money**

Institution provides seed money to procure latest equipments and infrastructure for purposes of research.

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

The head of the institution and management have given full autonomy to the Principal Investigator to utilize all the facilities for the proposed project.

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

The head of the institution and management have given full autonomy to the Principal Investigator to utilize overhead charges for the proposed project.

❖ **Timely release of grants.**

Grants are released to the researcher, whenever sought

❖ **Timely auditing.**

Annual auditing is done, and details of same are provided to the management and head of the institution by 31st of March every year.

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

The institution extends its full cooperation during the submission of utilization certificate to the funding authorities.

❖ **Writing proposals for funding**

Whenever required, help of research associates is provided to the faculty and students to write proposals for funding.

❖ **Any training given for writing proposal**

Faculty themselves are trained to write the proposal for funding.

b. Institution sponsored projects:

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

5% of the budget is earmarked for research along with an annual allocation for research in the yearly budget released by the management.

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

The institution makes funds available on time and without any hassles to the researcher or the resource personnel.

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

Access to most peer-reviewed and PubMed-indexed journals is provided by the institution through Helinet (an online library).

3.1.5 How is multidisciplinary/interdisciplinary/transdisciplinary research promoted within the institution?

❖ **Between/among different departments/ and**

Every department holds interdisciplinary meetings and workshops frequently to promote exchange of ideas for research and extend their full cooperation for multidisciplinary/interdisciplinary/transdisciplinary research.

❖ **Collaboration with national/international institutes/industries.**

Various departments of the institution collaborate with different institutes/organizations to promote and carry out research work. Some of these have been elaborated below.

Department	Collaboration Details
Oral Pathology	Research collaborations with national institutes have been established. One of our faculty, Dr. Madhura was deputed to the following organizations for the same a) National Institute of Nutrition, Hyderabad b) Center for Cellular & molecular Biology (CCMB, Hyderabad) c) National Institute of Ayurveda & Diabetics, Bangalore
Public Health Dentistry	In the last four years department has been working on two research projects in collaboration with various universities. 1) WHO Health Organisation promoting school initiative has been taken up in collaboration with University College London, UK. This project has also received technical support from WHO, Geneva. 2) The dept. is also working on a project entitled “Review of the present public health dentistry curriculum in collaboration with Harvard University, USA
Pedodontia	Involved in an inter-disciplinary research in association with Vittal-Mallya research foundation, Bangalore.
Orthodontia	Involved in an inter-disciplinary research in association with Vittal-Mallya research foundation, Bangalore.
Prosthodontia	Involved in an inter-disciplinary research in association with Vittal-Mallya research foundation, Bangalore and and RV Engineering College, Bangalore.
Oral & Maxillofacial Surgery	Collaboration with Indian Institute of Science to carry out research in the field of Oral Pre-cancer & Cancer. It also collaborates with centers like Bangalore Institute of Oncology, Defense Research and Development

	Organization, Institute of Aviation Medicine, Bangalore, Queen Mary Royal College London, and University of Norweigh to promote research.
Periodontics	Promotes transdisciplinary research in association with 1) JnanaSanjeevini Medical Center, Bangalore and Dept of Microbiology, Maratha MandalNatajiRaojiHalgekar Dental College, Belgaum. 2) DIACON Hospital, Bangalore 3) Sri JayadevaInst of Cardiology, Bangalore 4) RV College of Engineering, Bangalore 5) Semler Research center, Bangalore
Oral Medicine	Collaborated with JnanaSanjeevini diabetic center, Bangalore, Jain Inst of Vocational & Advanced studies, Bangalore, Saphagiri Imaging Center, A division of Chinmaya Mission Hosp, Bangalore, Genetics Dept, NIMHANS, Bangalore, Raghavs Diagnostic & Research center, Oral 3D Diagnostic center, Clumax Diagnostics Bangalore, and Showa University School of Dentistry, Tokyo, Japan.

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

Sl no	Year	Program Detail	Venue	Resource Persons
2009				
1.		Training of Trainers Programme conducted in association with RGUHS.	D A P M R V D C	Dr. D.K.Srinivas, Dr. Girish Rao, Dr. RoopaNadig, Dr. Laxman, Dr. Pushpanjali
2.		Training of Trainers Programme conducted in association with RGUHS.	D A P M R V D C	Dr. D.K.Srinivas, Dr. Girish Rao, Dr. RoopaNadig, Dr. Pushpanjali.
2010				
3.		Evidence Base Methods in Dentistry” In collaboration with South Asian Cochrane Network.	D A P M R V D C	Dr. PradeepThreyan, Dr. Anish George
4.		Focused meet in oral and maxillofacial surgery. Topics “Management of unknown Primary lesions using Lasers in Oral and Maxillofacial Surgery	D A P M R V D C	Dr. Austen Smith
2011				

5.		Emerging opportunities in Clinical Research in Clinical Research Industry for BDS Graduates	D A P M R V D C	Dr. Naveen B S Clinfox International Bangalore
6.		CDE Program on Oral Cancers	D A P M R V D C	Dr. Srikanth Surgical Oncologist, Bangalore Institute of oncology.
7.		International & Indigenous Innovation in Medical & Dental education	D A P M R V D C	FAIMER Institute

2012				
8.		Cytokines and other Inflammatory Markers & Laboratory diagnostics in Periodontics	D A P M R V D C	Dr. ShaeenaBanu; Professor Dept. of Biochemistry SJIC
9.		Orientation on clinical research	D A P M R V D C	Manipal Clinical Research Institute conducted by Department Of Public Health Dentistry.

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

The institution invites researchers of eminence to visit the campus in order to promote a research culture among the students and faculty. Eminent researchers / speakers from across the world have visited this institution and enriched our faculty and students with their words of wisdom and technical insight. The institution facilitates such visits by bearing the travel and accommodation expenses.

Having such researchers visit the campus has ignited the minds of young students who start taking up the initiatives of research from the under graduation level. These students carry out their research under the guidance of senior faculty. They also understand the methodology, aspects of bio-statistics and nuances of preparing a manuscript for publication at undergraduate level. This helps the students incline towards research and in turn promotes an environment where research is facilitated in future.

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

About 2% of the total budget is earmarked for research. The details of the heads of expenditure, financial allocation and actual utilization are elaborated below.

YEAR 2009-2010		
Heads Of Expenditure (Students' Research Seminars & Conferences Community Programs)	Financial Allocation	Actual Utilization
	Rs.8,50,000/-	Rs.7,27,335/-
YEAR 2010-2011		
Heads Of Expenditure (Students' Research Seminars & Conferences Community Programs)	Financial Allocation	Actual Utilization
	Rs.17,00,000/-	Rs.7,70,016/-
YEAR 2011-12		
Heads Of Expenditure (Students' Research Seminars & Conferences Community Programs)	Financial Allocation	Actual Utilization
	Rs.11,00,000/-	Rs.5,98,403/-
YEAR 2012-13		
Heads Of Expenditure (Students' Research Seminars & Conferences Community Programs)	Financial Allocation	Actual Utilization
	Rs.4,75,000/-	Rs.5,69,920/-

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

Yes, please refer to the university website for details (available at <http://www.rguhs.ac.in/> under Research& Development heads).

3.1.10. Does the institution encourage research by awarding postdoctoral fellowships/research associate ships? If yes, provide details like number of students registered, funding by the institution and other sources

No

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

About 4.48 % of the faculty have availed sabbatical leave for enhancing their scientific knowledge and skills. These faculty members have been to Showa University, Japan for a period of 1 year.

The institution requests the individual faculty members who have availed these facilities to educate and train the rest of the faculty and students, about

the skills and knowledge they acquired during the training program. Also, an audit of the type of scientific work carried out while in pursuit of training is taken into account.

These faculty members are also asked to implement the best practices of the organizations/institutions in which they were trained. In this manner, the institution is able to advance in terms of best practices as well as knowledge in a particular aspect of Dentistry.

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

Level	International	National	State	University	College
2010-11					
	NIL	1	NIL	NIL	1
2011-12					
Number	NIL	3	NIL	NIL	13
Sponsoring agencies	NA	Institution	NA	NA	Institution
2012-13					
	NIL	1	NIL	NIL	1

Pre-conference course on Root Coverage procedures by Dr. Veronique Benhamou, Montreal Canada on 27th October 2010 at DAPM RV Dental College, Bangalore (as a part of 35th Annual National Conference of Indian Society of Periodontology)

Department Public Health Dentistry, November 2011. Indian Association of Public Health Dentistry (16th IAPHD National Conference) Venue- DayanandSagarInstitute Of Dental Sciences by Dr. Richard Watt

Masterclass in Oral & Maxillofacial Surgery – A Review in Oral & Maxillofacial Surgery for post-graduates and faculty at DAPM RV Dental College. Some eminent faculty being Dimitrilouis

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

❖ Training in research methodology, research ethics & biostatistics

Workshops to sensitize post-graduate students and staff in research methodology, statistics and how to write a research paper are conducted periodically.

❖ Development of scientific temperament

Students are required to take up research to carry out dissertations as a part of the post-graduate training program. They are encouraged to take up studies related to their specialty and publish the findings in scientific journals. Undergraduates are encouraged to take up different studies and present them at National Conferences.

❖ Research linkages with other institutions, universities and centres of excellence (national & international)

The institution collaborates with various external institutions/organizations to promote research activities by its students and faculty. Details are provided in question 3.1.5

❖ Research programs in basic sciences, clinical, operational research, epidemiology, health economics, etc

All clinical subjects of dentistry comprise basic sciences related to human body (in general) and oral and maxillofacial regions (in specific) and hence all research activities are closely related to medical subjects and basic sciences.

❖ Publication based promotion/incentives

Management has a policy to encourage staff and students to publish articles. First author of papers published in international peer-reviewed journal and in a national journal are provided a cash incentive of Rs. 5000/- and Rs.2000/-, respectively, per paper. If a paper is accepted for oral presentation in National/International conference, travel and accommodation fares of the first author are sponsored by the institute.

3.1.14. Does the institution facilitate

❖ R & D for capacity building and analytical skills in product development like diagnostic kits, biomedical products for the national/international market

Yes. Research and development projects are conducted in association with DRDO, ICMR

❖ **Development of entrepreneurship skills in health care**

Yes. Dental courses are designed to enable independent practice following completion of the graduate and undergraduate programs. The institute helps further by facilitating talks by alumni and other professionals who have established themselves as entrepreneurs.

❖ **Taking leadership role for stem cell research, organ transplantation and harvesting, biotechnology, medical informatics, genomics, proteomics, cellular and molecular biology, Nano science etc.**

Yes. Several such projects are being carried out in collaboration with Indian Institute of Science.

3.1.15. Are students encouraged to conduct any experimental research in yoga and/or naturopathy?

Not Applicable.

3.2 Resource mobilization for research

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

All the departments of our Institution have been carrying out minor or major projects with external agencies.

Some of these projects are being carried out in association with ICMR. The institution has been able to obtain financial assistance of Rs.10 Lakhs for various projects being carried out in the institution.

The significant outcomes of such recognition include:

- publishing the results of these projects in peer reviewed national and international journals
- instilling confidence among researchers to carry out studies and develop products or innovations which will benefit our patients

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

All names of projects and faculty are provided in question no. 3.2.6.

2009				
Details regarding major projects				
	Ongoing	Sanctioned	Submitted	Completed
Number	0	1	1	1
Outlay in Rs. Lakhs			1,50,000	1,50,000
Details regarding minor projects				
	Completed	Ongoing	Sanctioned	Submitted
Number	1	0	0	0
Outlay in Rs. Lakhs	25,000/-		25,000/-	25,000/-
2010				
Details regarding major projects				
	Completed	Ongoing	Sanctioned	Submitted
Number	NONE	2	2	NONE
Outlay in Rs. Lakhs	NONE	Rs.6,88,459/-		NONE
Details regarding minor projects				
	Completed	Ongoing	Sanctioned	Submitted
Number	NIL	NIL	NIL	NIL
Outlay in Rs. Lakhs	NIL	NIL	NIL	NIL
2011				
Details regarding major projects				
	Completed	Ongoing	Sanctioned	Submitted
Number	0	1	0	0
Outlay in Rs. Lakhs	0	4,63,459	0	0

2012				
Details regarding major projects				
	Completed	Ongoing	Sanctioned	Submitted
Number	NIL	3	2	2
Outlay in Rs. Lakhs	NIL	3,92,224/-	3,00,000/-	NIL

Details regarding minor projects				
	Completed	Ongoing	Sanctioned	Submitted
Number	NIL	3	3	NIL

Outlay in Rs. Lakhs	NIL	10,000/-	20,000/-	NIL
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3.2.3 Does the institution have an intellectual property rights (IPR) cell?

Not Yet

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

Not Yet

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

Not Yet

3.2.6 List details of

A. Research projects completed & grants received during the last 4 years (funded by national/international agencies).

B. Inter-institutional collaborative projects and grants received

I) National collaborations

II) International collaborations

Sl no	Name Of Faculty	Projects	Funds Granted (Indian Rupees)	Funds Received (Indian Rupees)
1	DR. S.GIRISH RAO	1. DRDO Project On Dental Implants	120000	120000
		2. HBOT With Institute Of Aviation Medicine And High Altitude Physiology	30000	30000
		3. Oral Precancer and Cancer with Dr. Kondaiah at Indian Institute Of Science	150000	150000
		4. Platelet Rich Plasma – ICMR Project	469640	469640
		5. Implants In Regenerated Bone – RGUHS	150000	150000

	6. Non Invasive Methods Of Assessment Of Blood Sugar Levels With Professor Gundu Rao	3000000	3000000
	7. Oral Sub Mucus Fibrosis And Oral Cancer DST	3000000	3000000

Department Of Public Health Dentistry

Faculty Name	Project Title	Funds Sanctioned	Funding Agency
Dr. Harikiran Dr. Deepti Dr. Jyotsna	A Pilot "Bangalore Health Promoting School Initiative"	RS.75000/-	DAPMRV DENTAL COLLEGE RSST
Dr. Harikiran (Postgraduate Grant For Main Dissertation)	Effectiveness Of Common Risk Factor Approach Based Health Education Module In Higher Primary School Teachers In Bangalore City Karnataka, India	RS.25000/-	ICMR
Dr. Jyotsna (Student Grant For ICMR STS 2013)	Designing & Conceptualization Of Kident – A Children's Oral Health Magazine For 6-8 Year Old Children – Qualitative Research	RS.10,000/-	ICMR
Dr. Deepti (Student Grant For ICMR STS 2013)	The students Voice: Strengths & Weakness Of Preclinical Curriculum In Dentistry – A Focus Group Study	RS.10,000/-	ICMR
Dr. Harikiran (Student Grant For ICMR STS 2013)	Curriculum Review Of Oral Health Information In Karnataka State Secondary Education Board Syllabus- Observational Study	RS.10,000/-	ICMR

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

In the budget every year, funds are allocated towards research projects for students.

(Details are furnished in question no 3.1.8)

3.3 RESEARCH FACILITES

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

Research is an indigenious part of the professional course of dentistry and our institution makes every effort to improve the infrastructure requirements to facilitate research.

It is mandatory for post-graduate students to carry out one project as a part of fulfillment criteria to take up their university examination. In this regard they carry out research in the form of dissertations and publish their study in various journals. These studies could be minor or major projects or also in collaboration with other departments or institutions or corporate bodies. The institution helps and supports these students or faculty by providing them with the latest equipment and tools to carry out the research. It also provides the necessary material as per requirements of the project.

To meet the need of researchers in emerging disciplines it has been proposed to allocate a stipulated amount in the annual budget every year. The researchers have also been receiving incentives in terms of travel cost to present the paper at international conferences. Further, researchers who win prizes are awarded with financial incentives by the institution.

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

No

3.3.3 Does the institution have a drug information center to cater to the needs of the researchers? If yes, provide details of the facility.

No

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

Yes. Facility exists for researchers or scholars who visit this institution.

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

No.

3.3.6 Clinical trials & research

❖ **Are all the clinical trials registered with CTRI (clinical trials research of India)?**

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

No. Clinical trials are not registered with CTRI.

A few clinical trials we have conducted are as follows:

- Collaboration of Dept. of Oral Medicine & Radiology and Dept. of Oral Pathology- a project titled “role of curcumin on the expression effect of cox-2 and TGF beta in oral submucous fibrosis cases. A clinical trial. The outcome of the trial is being analysed.
- Dept. of Periodontics
 - A comparative study of two different formulation of 0.12% chlorhexidinegluconate oral rinse, orocleanse versus oroclean for treatment of gingivitis.
- Dept. of Pedodontics & Preventive Dentistry
 - Hindustan Unilever Limited – to test the efficacy of air jet tooth brush in plaque removal and long lasting anti-bacterial activity.
 - Hindustan Unilever Limited- effect of pepsodent complete germicheck toothpaste with tea extract on gingival condition and levels of streptococcus mutans
 - Vitthal-Mallya – ICMR project – Non-Syndromicoligodontia in Indian population and genetic study- Dr. A.Anantharaj

3.4 Research Publications & Awards

Details of Research Publications are provided against question 3.4.2

Awards

Awards/ Recognition Received at the National and International Level By Faculty

Dr. N. Kalavathy	Best paper presentation award for ‘Oral Rehabilitation Of A Patient With Partial Anodontia - A Case Report’ at 39 th IPS conference at Dubai between 02 -05th December 2011
Dr. Sridevi J	F.D. Mirza award for the best paper presentation at IPS conference , New Delhi, February 1994
Dr. Mitha Shetty	Best paper award for scientific paper on quick tool for planning and placing implant at the IDA national conference held at Chennai on 13 th and 14 th Feb 2010
Dr. Roshankumar	Second prize for poster on Radiographic and surgical stent : essential for restoration guided implant prosthodontics at 6 th National Convention For Prosthodontics Post Graduate Student held at Oxford Dental College from 27th to 29th August 2004
	Third prize for poster on Role of advanced surgical telescopes and illumination systems for clinical procedures at 7 th Indian Prosthodontics Society Post Graduate Students Convention held at Sriramachandra Dental College on 27 th and 28 th August 2005
	Best paper award for scientific paper on Identification Of Different Implant Systems at IDA national conference held at Chennai on 13 th and 14 th February 2010
	Presented a scientific paper on ‘Implant Identification – The Need Of The Hour’ at the 8 th World Conference For Oral Implantology and AAID global conference 2010- New Delhi between 20 and 22 November 2010.
	Presented scientific paper ‘Dental Implants From Speciality Practice To General Practice’ at 40 th Indian Prosthodontics Society Conference and 8 th Biennial Meeting of Asian Academy Of Prosthodontics at Chennai on December 5th 2012
	Best paper award for paper on ‘Customized instrument to measure lateral throat form’ at 41 st Indian Prosthodontics Society Conference held in Ahmedabad, Gujarat in December

Dr.Praveen .P	Best paper award at 33 rd Indian Society of Pedodontics and Preventive Dentistry National Conference Bangalore, 2011
Dr. S. Girish Rao	Ambassador of ICOI from 2014 to 2016
Dr.Shyamala K, Lecturer, Dept. of Oral & Maxillofacial Patology	Presented Scientific paper titled “Risk of tumor cell seeding through biopsy and aspiration cytology – A technical analysis” at the International Conference “World Congress” on Holistic Medicine – Holicon 2009 from 11 – 13 th September 2009 at Pondicherry and won Best Oral Presentation award.
Dr. Y Shweta Somasundara, Lecturer	Best paper award: (at state conference) For the paper titled ‘Oral Antimicrobial peptides – protectors of the oral cancer’ at IDA State and Interstate FDI Conference, 2011.
Dr. Suma S, Reader Dept. of Oral & Maxillofacial Patology	Scientific Paper titled ‘Aetiology of temporomandibular disorders: Not quite an open and shut case!’ presented at FDI – CDE 2010 and 38 th Karnataka State Dental Conference held at Bangalore, 19 th to 21 st November 2010. (Best paper award)
Dr. Madhura MG, Reader	Scientific Paper titled “Dentinal Changes in Attrition and Abrasion – A Combined Light and Scanning Electron Microscopic Study” presented at FDI – IDA CDE 2010 and the 38 th Karnataka State Dental Conference, 19 th – 21 st November 2010, at JnanaJyothi Auditorium, Bangalore. (Best paper award)
Dr. S Jyotsna, Lecturer	Best paper award: (at national conference) Presented paper titled “edutainment for oral health promotion in children- is it effective?” - at XVI <i>IAPHD National Conference on 5th Nov 2011, Bangalore</i> Overall II Best Paper Award for the paper titled “Sparkyman- Learning with fun”- An interactive Oral health education board game” at the National Conference On Emerging Business Opportunities & Challenges, 2013 with Special focus on “Health Care” on 22 and 23 March, 2013 at R V Institute of Management, Bangalore.

3.4.2 Give details of publication by the faculty & students

	YEAR														
	2009			2010			2011			2012			2013		
	Inte rn tl	N ati on al	O t h e r s	Inte rn tl	Nati onal	Other s	Inte rn ati ona l	N ati on al	Oth ers	Intern ationa l	Natio nal	Ot he rs	Inte rnati onal	Nati onal	Ot her s
Peer- re- vie wed journ als	10	10	4	9	59	2	35	57	11	25	36	3	10	6	4
Non- peer re- vie w journ als	-	-	2	-	-	-	-	-	-	2	2	2	-	-	-
E- journ als	1	-	-	-	-	-	6	-	-	-	-	-	-	-	-
Conf erenc e proce eding s	2	-	-	-	-	-	1	2	-	1	-	-	-	-	-

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

No

3.4.4 Give details of

- ❖ Faculty serving on editorial boards of national and international journals
- ❖ Faculty serving as members of steering committees of national and international conferences recognized by reputed organizations/societies.

SL No	Name Of Faculty Member	Journal	Publisher	Designation
1	Dr. K.S. Nagesh			Editor-in-chief RGUHS Journal of Dental Sciences
2	Dr. Suchetha. A	Journal Case studies in Dental Sciences	AMDD	Member of editorial Board
3	Dr. Murali	Journal of Conservative	Wolters/Kluwer	Member of editorial

		Dentistry		Board
		SRM University Journal	Wolters/Kluwer	
		World Journal of Dentistry		
4	Dr. Dinesh M.R, Dr. Amarnath, Dr. Akshai, Dr. Dharma, Dr. Vijaylakshmi, Dr. Manjunath	RGUHS Journal		Members of Review board
		SRM University Journal		
		APOS Journal		
		IJPO Journal Review Board		
5	Dr. Harikiran			RGUHS Public Health Core committee member
				Member of technical review committee of Karnataka Knowledge Commission
				Karnataka State Govt, Member JamiaMilia University
				Faculty Recruitment Panel,, RGUHS & SRM University Synopsis and Dissertation Evaluation
				Core Committee member for RGUHS Committee on study of Malnutrition in Karnataka
				RGUHS public health core committee Member,
				Dental Council of India UG/PG Inspector
		RGUHS journal , IJDR		Peer reviewer
6	Dr. Jyotsna	Oral Health and Preventive Dentistry Journal		Peer reviewer
		Indian Journal of Dental Research		
		Journal of Indian		

		Association of Public Health Dentistry		
		International Journal of Pediatric Dentistry		
		Annals of Medical and health research journal		
7	Dr. Ananthraj & Dr. Praveen	World Journal of Dentistry, IJDR, SRM Journal		Editorial Board
8	Dr. Praveen	NTR University of Health Sciences Journal		Reviewer
		Journal of Clinical Pediatric Dentistry		
9	Dr. Ananthraj, Dr. Praveen, Dr. Pratibha Rani S	RGUHS Journal		Review Board RGUHS
10	Dr. Ananthraj			Evaluation of PhD thesis of Prist University
11	Dr. Kalavathy	SRM Journal, Indian Journal of Dental Sciences		Editorial Board
12	Dr. S. Girish Rao	Journal of Maxillofacial & Oral Surgery (JMOSI)		Reviewer
		Annals of Oral & Maxillofacial Surgery		
		Indian Journal of Dental Research (IJDR)		
		National Journal of Maxillofacial Surgery Lucknow		
13	Dr. Asha Iyengar, Dr. SeemaPatil, Dr. Subhash B.V			National Conference 24th IAOMR O.C Members (2011)
14	Dr. Revan Joshi			OC Member Hiroshima Japan
		Textbook of Diagnostic Oral Medicine		Associate Editor
		Dental Maxillofacial Radiology Journal		Member Peer Review group
15	Dr. Asha Iyengar, Dr. SeemaPatil, Dr. Subhash B.V, Dr.			National UG Conference of IAOMR Advisory Board

	Revan Joshi			
16	Dr. suma. S			1) Assistant editor – RGUHS Journal of Dental Sciences 2)Reviewer/Referee – Jol of Oral &Maxillfacial Pathology
17	Dr. Veerendra Kumar B			Associate editor – Indian Journal of Dental Advancements Reviewer – Bangalore Dental Journal Reviewer - RGUHS Journal of Dental Sciences
18	Dr. Sarita. Y			Reviewer - RGUHS Journal of Dental Sciences
19	Dr. Madhura			Reviewer - RGUHS Journal of Dental Sciences

3.4.5 Provide details for the last four years

*** Research awards received by the faculty and student**

Sl.No	Project Title	Funding Agency	Funds Sanctioned	Year
1.	Salivary gland in health and disease – An ultrasonographic study[Dept of Oral Medicine]	RSST	25,000/-	2009
2.	Role of Curcumin on the expression of cox 2 and TGFβ in oral submucous fibrosis – a clinical trial[Dept of Oral Medicine, Oral pathology]	RSST & RGUHS	75,000/- 75,000/-	2010
3.	Effectiveness of common risk factor approach based health education module in higher primary school teachers in Bangalore city Karnataka, India; Department of Public Health Dentistry	ICMR-PG Student Research Project	25,000/-	2011
4.	Designing & conceptualization of KIDENT – A Children’s Oral Health Magazine for 6-8 year old children – qualitative research; Department of Public Health Dentistry	ICMR-UG Student Research Project	10,000/-	2013
5.	The students voice: Strengths & weakness of preclinical curriculum in Dentistry – A focus group study; Department of Public Health Dentistry	ICMR -UG Student Research Project	10,000/-	2013
6.	Curriculum review of oral health information in Karnataka state secondary education board syllabus – observational study; Department of Public Health Dentistry	ICMR- UG Student Research Project	10,000/-	2013
7.	Undergraduate Dental Students Perception on Undergraduate Research in a	ICMR – UG Student Research	10,000/-	2014

	dental teaching institution in Bangalore City, India – A cross-sectional study.	Project		
8.	Formative VS Summative Assessment: Faculty Perceptions of a Dental Institution in India	ICMR – UG Student Research Project	10,000/-	2014

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

Sl No	Faculty Name	Recognition Received	Year
1.	Dr. A. G. Harikiran	Johns Hopkins tobacco control summer program 2006 fellow WHO Kobe Japan PROLEAD 2 India Team	2006
2.	Dr. Asha Iyengar	EC Member for IAOMR for 2007	2007
3.	Dr.A. G. Harikiran	Common wealth Professional Fellow 2008	2008
4.	Dr. Asha Iyengar	Regional Director of 8 th Asian Congress of Oral & maxillofacial Radiology 2010 Seoul	2010
5.	Dr. Dinesh MR	Fellow of World Federation of Orthodontists FWFO Academic Council Member, Siddhartha University, Tumkur	2011
6.	Dr. Asha Iyengar	Regional Director of 8 th Asian Congress of Oral & maxillofacial Radiology 2010 Seoul	2011
7.	Dr. Amarnath B.C	Fellow of World Federation of Orthodontists FWFO Scientific Committee member, SRM University, Chennai Organizing committee hands on course lingual orthodontics	2011
8.	Dr. ManjunathHegde	Fellow of World Federation of Orthodontists FWFO Scientific Committee member, SRM University, Chennai Organizing committee hands on course lingual orthodontics	2011
9.	Dr. Pramod K M	Fellow of World Federation of Orthodontists FWFO Member, Faculty of Dentistry, RGUHS	2011
10.	Dr. Prashanth C.S	Fellow of World Federation of Orthodontists FWFO Organizing committee hands on course lingual orthodontics	2011
11.	Dr. Roopak Mathew David	Fellow of World Federation of Orthodontists FWFO Organizing committee hands on course lingual	2011

		orthodontics	
12.	Dr. Dharma R M	Fellow of World Federation of Orthodontists FWFO Member of American Association of Orthodontists Organizing committee hands on course lingual orthodontics Organizing committee mid-year convention IOS, Istanbul, Turkey	2011
13.	Dr. Akshai Shetty K R	Fellow of World Federation of Orthodontists FWFO Organizing committee hands on course lingual orthodontics Member Dentsche Cleft Kinderlifea.v. Germany Maya foundation	2011
14.	Dr. Vijayalakhmi P S	FDSRCS Fellow of Dental Surgery of Royal college of surgeons, Edinburgh Fellow of World Federation of Orthodontists FWFO	2011
15.	Dr. Seema	Fellowship in oral Radiology by Showa University School of Dentistry, Japan	2012
16.	Dr. Subhash	Fellowship in oral Radiology by Showa University School of Dentistry, Japan	2012
17.	Dr. Revan Joshi	Fellowship in oral Radiology by Showa University School of Dentistry, Japan	2012
18.	Dr.A. G. Harikiran	Executive Secretary, CTPHCF	2014
19.	Dr. Veerendra	Fellow of PieereFouchard Academy Judge, Scientific poster Presentation,XIII National PG Convention of IAOMP, 10-11 th July 2013, Tirupathy Founder member Indian Academy of Orofacial Genetics National Coordinator for scientific committee Oral medicine, Oral Pathology, Oral Surgery, National “OOO” CDE 5-6 th April 2013, New Delhi	2013
20.	Dr. Madhura	Judge, Scientific poster Presentation,XIII National PG Convention of IAOMP, 10-11 th July 2013, Tirupathi	2013
21.	Dr. Kalavathy N	Fellowship in Implantology Maxicourse with American Association of Implant Dentistry	2013
22.	Dr. Girish Rao	Ambassador of ICOI [International Congress of Oral Implantology] Fellow ICOI	2014 2014
23.	Dr. Deepak	Fellow [ICOI]	2014
24.	Dr. Veerendra	Member Reception Committee, National Conference of IAOMP, Nov 2014, Bangalore	2014

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

- * On an average over the past four years, 1 postgraduate student has been guided by 1 reader/professor

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

There is no official policy of the institution for this purpose. However, the students are strictly instructed to refrain from all malpractices and plagiarism in research. Malpractices and plagiarism in research have not been reported in the institution till date.

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

- * Yes, the institution promotes multi/interdisciplinary research.
- * 7 research projects have been undertaken involving Dept. of Oral Medicine, Orthodontics, Oral pathology, Pedodontics, Periodontics, and Pharmacology.
- * 16 research projects have been undertaken in collaboration with VittalMalya Research Centre and R.V. Engineering Department
- * 13 research projects have been undertaken in collaboration with Microbiology Dept., Belgaum, DIACON Hospital, Bangalore, SEMLER Research Centre, and Jayadeva hospital, Bangalore

3.4.9 Has the university/institution instituted any research awards? If yes, list the awards.

No

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

- * Conference registration amount is reimbursed to students who win awards for their presentations at State/National/International Conferences.
- * Conference registration amount and travel expenses are reimbursed for the faculty who have more than 5 years of

experience and win awards for their presentations at National/International level conferences

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

- * The institution has a total of 28 post graduate research guides guiding 20 post graduates each year.
- * The institution also has 4 PhD guides guiding around 5 PhD students.

3.5 Consultancy

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

- * The institution permits faculty members to pursue consultancy.
- * The Department Of Oral Surgery extends its consultancy services to external hospitals such as Bangalore Institute of Oncology, HCG, Apollo, Sagar hospitals, NIMHANS, Sanjay Gandhi Trauma Centre, and Indira Gandhi Pediatric Hospital.

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

- * Not Applicable

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

- * Consultancy services are publicized through the college website, newspapers and television.
- * Consultancy services are sought from all the departments of the institution.

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

- * The institution permits faculty members to pursue consultancy.

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

- * The institution has adopted and is managing 3 satellite centers where free consultancy services are provided to all the patients.

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

- * Consultancy and clinical treatment facilities for dental and orofacial disorders are provided in all departments.
- * No revenue has been generated through consultancy activities of the institution.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

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

- * Students are sensitized through the academic programs of Public Health Dentistry and Pedodontics.
- * The students actively participate in all Dental camps, Outreach programs, Health Education programs and various other awareness programs conducted by the institution on a regular basis.

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

- * Holistic development of the students along with community development is achieved through outreach programs and NSS programs of the University.

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

- * Institution has an NSS wing, and is a part of NSS unit of University.
- * Through the NSS unit, outreach programs are conducted to provide oral health services to the underserved population. Students are actively involved in all the NSS activities.

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

- * The Dept. of Public Health Dentistry primarily and the institution in general works towards identification of health care needs of the underserved population and strives towards providing evidence based health promotion.
- * The Dept. of Oral Surgery conducts camps in collaboration with Sevakshetra hospital for cleft lip and cleft palate patients.
- * The Dept. of Prosthodontics conducts denture camps for inmates of Asaktha Poksha Sabha and other vulnerable and underserved populations.

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

- * No. Nevertheless, the students are encouraged to actively take part in such activities.

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

- * The institution ensures community involvement by establishing partnerships and MOU's with various organizers for community development.
- * The institution has MOU with Sriramanahalli Village Panchayat and KSRTC for provision of care to all its members.

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

- * The university and all its affiliated institutions have received the Best NSS unit award for their social/community development programs.
- * Many NGOs and civil society bodies have honored the contributions of Dept. of Public Health Dentistry & Dept. of Pedodontics of DAPMRV Dental College for their extension activities and contributions to community development.

- * Dr. Girish Rao, Prof & Head, Dept. of Oral Surgery is the Ambassador of International Congress of Oral Implantologists.

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

- * Mentoring and counseling is provided to all such students.

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

- * The institution involves both the faculty and students in all its outreach programs for underprivileged students in school.
- * These outreach programs have helped to reduce the disease burden and has provided access to health care facilities which was unaffordable and inaccessible.

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

- The institution arranges competitions, awareness rallies and health campaigns as per the annual themes/programs of WHO/ICMR.

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

- **Community outreach health programs for prevention, detection, screening, management of diseases and rehabilitation by cost effective interventions.**
 - * Institution regularly conducts community health programs where screening, health education and free dental treatment is offered to all patients.
- **Awareness creation regarding potable water supply, sanitation and nutrition.**
 - * The institution provides oral health education to all its participants and also focuses on promoting general health issues in all camps and outreach activities.
- **Awareness creation regarding water-borne and air-borne communicable diseases.**
 - * Health education is provided in the camps and outreach activities.

- **Awareness creation regarding non-communicable diseases - cardiovascular diseases, diabetes, cancer, mental health, accident and trauma, etc.**
 - * Common risk factor approach is utilized in educating and creating awareness regarding the prevention of various non-communicable diseases in all outreach activities of the institution.

- **Awareness creation regarding the role of healthy life styles and physical exercise for promotion of health and prevention of diseases.**
 - * Health education and awareness rallies are conducted to promote of healthy lifestyles and importance of physical exercise.

- **Awareness creation regarding AYUSH Systems of medicines in general and / or any system of medicine in particular.**
 - * Nil

- **Complementary and alternative medicine.**
 - * Nil

- **Pharmaco economic evaluation in drug utilization.**
 - * Nil

- **Participation in national programs like Family Welfare, Mother and Child Welfare, Population Control, Immunization, HIV/AIDS, Blindness control, Malaria, Tuberculosis, School Health, anti-tobacco campaigns, oral health care, etc.**
 - * School health: The institution is committed for the protection of oral health of the future citizens of India. Health Promoting School Initiative by Dept. of Public Health Dentistry and the school health programs conducted by Dept. of Pedodontics are major steps towards realizing the institutional commitment.
 - * HIV/AIDS: The institution conducts awareness campaigns amongst the students by hosting activities during Worlds Aids Day. It is an affiliate of the Red Ribbon Club.
 - * Oral Health Care: The institution is primarily involved in providing oral health services including oral health promotion and treatment to all sections of the society.

- * Anti-tobacco Awareness: The institution has been a partner in the advocacy campaign for banning of gutkha in the state. The institution provides counseling for people addicted to tobacco. They are also referred to other de-addiction centers.
- **Promotion of mental health and prevention of substance abuse.**
 - * Mentoring and counseling is provided to the affected patients
- **Adoption of population in the geographical area for total health care.**
 - * The institution has 2 satellite centres – Sriramanahalli and KSRTC.
 - * The institution provides free treatment for oral oral disorder to all members of the community under these regions/organizations.
- **Research or extension work to reach out to marginalized populations.**
 - * A lot of health education programs, rallies, awareness campaigns are conducted to reach out to the marginalized population.
 - * Regular camps with provision of free screening, health education and treatment are conducted for marginalized population.

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

- * Yes, faculty members from various departments participate on a regular basis in all the community health awareness programs.

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

- * By conducting camps and outreach activities on a regular basis.

3.7 Collaborations

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

- * The collaboration with various agencies has encouraged undergraduate and post graduate students to take up research projects and apply for grants. Awareness about research activities has increased among staff and faculty, as a result of such collaborations.

3.7.2 Mention specific examples of how these linkages promote

- **Curriculum development**

- * The curriculum is regulated by the university which is in turn regulated by the DCI.
- * Faculty members often take inputs from other institutions/organizations regarding the needs of the society and the current status of education and provide input regarding the same during curriculum development meetings and conferences.

- **Internship**

- * The students are exposed to diverse environments and working conditions as a result of the collaborations and internship postings.

- **On-the-job training**

- * Not Applicable

- **Faculty exchange and development**

- * Easier access for faculty exchange and development has been possible because of the collaborations
- * Faculty members visiting foreign universities are able to learn and disseminate evidence based practices of these institutions.

- **Research**

- * Collaborations with different organizations/institutes has promoted research activity within the institute to a great extent

- **Publication**

- * All the faculty members have publications in various reputed journals.

- **Consultancy**
 - * Most faculty of the institute provides consultancy services.
- **Extension**
 - * Not applicable
- **Student placement**
 - * Not applicable

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

- * MOU with University College London for WHO Health Promoting School Project.
- * The Dept. of Periodontics has signed MOU with Semler research Centre for a study titled ‘Comparison study of 2 different formulations of 0.12% chlorhexidinegluconate oral rinse – Oroclear versus oroclean for treatment of gingivitis.’

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

- * No

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

- **Local bodies/ community:** Regular camps are conducted in association with various NGOs, Lions and Rotary Clubs, BharathVikasParishath and Corporate Social responsibility Groups
- **State government / Central government /NGOs:** the institution has an MOU with KSRTC where in complete oral care is provided to the patients at its centre.
- **National bodies:**
- **International agencies:** Various research projects have been undertaken in collaboration with the following international agencies:
 - * Partnership with WHO-KOBE, SEARO

Project title: “Advocacy and development of partnerships towards development of guided vision and a health promotion policy for the urban poor of Bangalore city, India”

Time period: Sept 2005 to June 2006

Department: Public Health Dentistry

- * Johns Hopkins Bloomberg School Of Public Health ,Institute Of Global Tobacco Control

Project title: Risks and benefits involved in smoking and quitting among young adults: a cross country comparison? : a five country multi centric study

Time period: Sept 2006 to Sept 2007

Department: Public Health Dentistry

- * Partnership with Roswell Park Cancer Institute, Buffalo, New York 14263 USA

Project title: TTURC Developmental Research Program (DRP): International Tobacco Product Repository and Analysis Program.

Time period: February 2007 to May 2007

Department: Public Health Dentistry

- * Collaboration with University College, London, Dental Public Health Group formalized by interdepartmental MOU and established common focus areas of interest and work areas.
- * A pilot ‘Bangalore health promoting school initiative’ is being taken up with technical support from the WHO Oral health division and funding from university [Rajiv Gandhi University of health sciences]
- **Any other (specify):** Partnership with government, private sector and civil society through CAMHADD/CTPHCF in the ‘Bangalore Healthy City Initiative’

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

· The institution undertakes various health promoting activities through public private partnerships with various organizations.

a. ISRO – The institution has a tie up with ISRO since 1998 for provision of treatment of their employees at the institution.

b. Karnataka State Road Transport Corporation [KSRTC]: A satellite centre is established at KSRTC bust stand, Jayanagar since 2007. Various dental services are provided to the patients at the centre. For complex treatments they are referred to the institution.

c. Sriramanahalli – A satellite centre has been set up at the Sriramanahalli People trust since 1994. Variety of dental procedures including health education is provided to the children and population of the village and surrounding areas.

d. Sevakshetra Hospital – A MOU has been established with the Sevakshetra hospital in Banashankari for provision of dental services. Variety of services like trauma treatment, cleft lip and cleft palate surgeries, orthognathic surgeries, and full mouth rehabilitation are provided at the hospital by doctors of our institution.

4.1 Physical Facilities

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

The institution plans and strictly follows the requirement norms of DCI (Dental Council of India) and RGUHS (Rajiv Gandhi University of Health Sciences).

Annually, the physical infrastructure requirements are planned by head of the departments and are reported to the principal. The principal consolidates the requirements and submits the same to the management. Once the management approves the requirements, it is provided to the respective departments.

- **In the last four years-**
 - Plan wise renovation and expansion of all departments has been done.
 - To facilitate ICT enabled teaching learning process 4 new class rooms have been added.
 - In addition to existing auditorium which can house 700 people, a new auditorium with 225 capacity is built.
 - Renovation and up gradation of library facilities have been initiated.

Auditorium is being used by other schools, colleges and also by the public for programmes and class rooms are used to conduct university competitive exams during non-working hours.

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

Yes, the institution has a structured policy for creation and enhancement of infrastructure.

Curricular activities

- Phased renovation and expansion of all departments has been done in the last two years.
- Four new lecture halls within campus with facilities like LCD projectors, Wi-Fi, smart board and audio visual facilities have been constructed. Each classroom has sufficient desks and chairs with bag holders for comfort and convenience of students. Podium, marker boards, black boards and stationery such as marker pens and chalks are available in every class room for teaching purposes.
- Smart classes are used to demonstrate preclinical work. Internet facility is used to download videos and articles pertaining to the subject to

educate the students with newer advanced information and also for better understanding of the subject.

- All the classrooms have CCTV camera accessible at the principal's and superintendent's chamber - this helps to maintain the safety of students as well as to monitor them during lecture hours and examination.
- Lockers are also provided for all students in the respective common room for males and females.
- All departments are provided with laptops / desktops with internet facilities, printers and scanners.
- All the departments have separate UG and PG work station and lab facility with staff allotted for all students in each department to ensure proper monitoring and to provide quality education to students.
- Library is within campus with a seating capacity of 100 and is well equipped with sufficient number of reading tables and chairs. Library has sufficient books along with 11 computers and internet facility for students.

Co – curricular activities

- One air conditioned mini auditorium with a seating capacity of 220 is available for Continuing Dental Education programmes and other workshops. It has a podium, internet facility, and audio visual facilities for projection and discussions.
- Another larger auditorium with a seating capacity of 700 is also within the campus and is used when larger crowd is expected. It has an open stage with internet , audio visual facilities for projection and discussions.

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

- Yes, all the departments have facilities as per DCI norms. Separate rooms for the HOD, staff, and PG students (common room) are available in each department.
- Separate rest rooms for men and women are provided in each floor.
- UG students have separate boys and girls common room with locker facility.

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

- The institution has a separate parking at the entrance for the differently-abled. Ramp facility is available at the entrance. Wheel

chair facility is available at the institution for movement inside campus. Elevator facility is available with back up for power supply.

- 5 units of portable dental chairs and ambulance facility are available for the differently-abled who would be treated at their respective institution or residence.

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

- The college has a playground within the campus. Facility for playing indoor sports such as badminton, carom, chess, etc are also available in the campus. Table tennis facility and gym has been set up at the boys hostel. The college also has a tie up with snap fit health club (located close to the institution) and yoga centre which provides these facilities at a subsidized rate for students, staff and alumni.
- Auditorium facility is present within the campus for conducting all cultural activities. Open stage is also available for cultural events. Audio visual facility along with internet is also available. Students are encouraged to participate in annual college day and inter college fairs.

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

- Security in the campus is monitored by Sigma security agency.
- Security guards are posted at the entry and exit places. A supervisor is appointed to monitor them and also overlook the overall safety of the college. At any given point of time, there are three security guards in the college campus and one in the hostel premises. Daily guards work in three shifts.
- CCTV cameras have been placed in the classrooms which are monitored by the Principal and Superintendent. The classrooms and departments are kept locked when not in use.
- Fire extinguishers have been placed throughout the campus in all departments. A fire drill is also conducted every year.
- An anti-ragging committee has been constituted to ensure campus is ragging free.

4.1.7 Facility of Animal House

Is animal house maintained as per CPCSEA guidelines?

Whether records of animal house are maintained for learning and research activities?

Does the animal house have approval for breeding and selling experimental animals as per CPCSEA guidelines?

The DCI does not stipulate facility for maintenance of animal house. However, the institution has a MoU with Vital Mallya Institute And Research Centre, Bangalore for animal studies.

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

Number of Laboratories

Laboratories	Number
Biochemistry lab	01
Under graduate and post graduate lab	01
Prosthodontics Pre-clinical under graduate and post graduate lab	03
Dental material lab	01
Conservative pre-clinical lab	02
Casting lab	01
Tissue processing lab	01
Under graduate lab	01
Pre-clinical under graduate and post graduate lab (PEDODONTICS)	02
Orthodontics under graduate and post graduate lab	03
Anatomy / histology	1
Dissection lab	1
Pharmacology	1
Microbiology / pathology	1
Biochemistry	1
Physiology	1
Total	21

Museums:

A total of 3 museums are present in the departments of Oral pathology, Anatomy and General Pathology

Maintenance and up-gradation

Maintenance of the laboratories and the museum is undertaken by the respective department. AMC is taken for all the sophisticated department

laboratory equipments and the upgradation is done by procuring advanced equipments as and when the need arises according to DCI.

Descriptive catalogues in museums

Yes, descriptive catalogues of the exhibits are available in the museums.

Usage of the above by the UG/PG students

Usages of the equipment's are demonstrated to the students and models, charts are used as teaching aids for students. These are also used for educating patients about oral hygiene maintenance in community camps.

4.1.9 Dentistry

A) Dental Chairs in Clinic –Specialty wise

Department	No. of chairs
O.M.D.R	23
Oral Surgery	16
Pedodontics	21
Oral Pathology	09
Conservative Dentistry	44
Periodontics	29
Community Dentistry	09
Satellite Centre	02
Prosthodontics	35
Orthodontia	31
Total	219

B) Total Dental Chairs - 226 (including 7 portable units for use in dental camps)

C) Schedule of Chair side teaching in Clinics-Specialty wise-

Clinical posting for Undergraduate Students (III BDS and IV BDS) is common to all the clinical departments -

- III BDS - Monday – 1:30-3:30pm; Tuesday – 9:30am-12:30pm and 1:30 to 3:30pm
- IV BDS - Monday to Friday - 9:30am-12:30pm.

1. Department of Oral Medicine and Radiology

Postgraduate students

- Seminars and journal club will be conducted on every Monday, Wednesday and Friday from 2.30pm – 3.30pm.

2. Department of Oral and Maxillofacial Surgery.

Postgraduate students

- At Sevakshetra hospital - every Monday, Wednesday and Friday between 8:30 and 9:30 am
- At Bangalore Institute of Oncology – every Tuesday, Thursday and Saturday between 9 and 10 am
- Seminars on every Tuesday and Thursday between 1 and 2 pm.
- Case presentations and journal clubs on every Saturday between 12.30 pm – 1.30 pm
- OPD & minor oral surgery - Monday to Friday - 9:00am to 4:00pm; Saturday - 9:00am to 12:30pm
- On call at Sevakshetra hospital and NIMHANS from 7:00pm to 7:00 am as per rotation.

3. Department of Oral and Maxillofacial Pathology

Under graduates

- I BDS – Wednesday – 2pm to 4 pm; Saturday – 10.30am – 12.30pm
- II BDS – Friday – 10.30 am to 11am.
- III BDS – Monday and Thursday – 10.30 am – 12.30 pm.

Postgraduate students

- Seminars – Tuesday and Wednesdays – 9 am – 10.30 am ,
- Journal club – Thursdays – 1.30pm -2.30pm
- Case presentations – Friday – 9am – 10 am

4. Department of Pedodontics and preventive dentistry

Postgraduate students

- Pre-clinical posting for I MDS students from 9:00am-12:30pm and 1:30 to 3:30pm for 6 months.
- II and III MDS Clinical postings: Monday to Saturday - 9:00am-12:30pm and 1:30 to 3:30pm.
- Every PG student is posted in KanchiKamakotti Child Trust hospital, Chennai (KKCTH) for a month for medical pediatric training.
- Seminars and Journal clubs are conducted on Monday, Wednesday and Friday from 9am to 10.30 am
- School oral health programmes are conducted weekly twice on Tuesday and Thursday (children are screened and basic treatment is given at the camp site)

5. Department of Orthodontics and Dentofacial Orthopedics

Under graduates

- III BDS – Saturday 9.30am - 12.30pm – preclinical
- IV BDS – Wednesdays – 2.30pm -3.30pm – preclinical

Postgraduate students-

- Seminars – Thursday – 1.30 to 2.30 pm and Saturday – 9am – 10am.
- Journal club – Monday and Tuesday – 2 pm – 2.30 pm.

- Case discussions are held between 11.30 A.M to 12.30 P.M and 2.30 PM to 3.30 P.M.
- Ist year MDS students complete pre-clinical practical exercises for 6 months. IInd year MDS and IIIrd MDS students take up clinical cases from 9.30am to 3.30pm.

6. Department of Periodontics

Postgraduate students

- Preclinical for PG Students: 9.30am to 3.30pm for three months.
- Seminars on Tuesday, journal club on Saturday, case presentation on Friday will be conducted from 9 am to 10 am.
- Clinical posting Monday to Friday - 9:30am-12:30 pm and 1:30 to 3:30 pm; Saturday – 1:30-3:30pm

7. Department Conservative Dentistry and Endodontics

Under graduates

- I BDS- Fridays 1.30pm – 3.30pm (preclinical)
- II BDS- Mondays 1.30pm – 3.30pm and Saturday 11am- 12.30pm (dental materials); Tuesday 1.30pm – 3.30pm, Wednesday 11am – 12.30pm, Thursday 1.30pm – 3.30pm, Fridays 11am – 12.30pm (preclinicals)

Postgraduate students

- Preclinical from 9.30am – 12.30pm and 1.30 – 3.30pm for 6 months.
- II and III MDS Clinical postings: Monday to Saturday - 9:00am-12:30pm and 1:30 to 3:30pm.
- Seminars – Thursdays and Friday 1.30pm – 3.30pm, journal club – Tuesdays and Wednesdays from 9.30am – 10.15am and case presentation on Mondays from 9.30am – 10.15am

8. Department of Prosthodontics

Under graduates

- I BDS – 1.30pm – 3.30pm (dental material)
- II BDS –Mondays and Wednesdays 1.30pm – 3.30pm and Saturdays from 11am – 12.30pm (dental materials) and preclinicals on Tuesdays 1.30pm – 3.30pm, Wednesdays 11am – 12.30pm, Thursdays 1.30pm – 3.30pm, Fridays 11am – 12.30pm.

Postgraduate students

- Preclinical from 9.30am – 12.30pm and 1.30 – 3.30pm for 6 months for I MDS.
- II and III MDS Clinical postings: Monday to Saturday - 9:00am-12:30pm and 1:30 to 3:30pm.
- Seminars and journal clubs on Tuesdays 11am – 12.30pm, case presentations on Thursdays from 11am – 12.30pm.

9. Dept. of Public Health Dentistry:

Under graduates

- III BDS – Mondays and Thursdays 10.30am – 12.30pm
- IV BDS – Saturdays 9.30am – 12.30pm and 1.30pm – 3.30pm

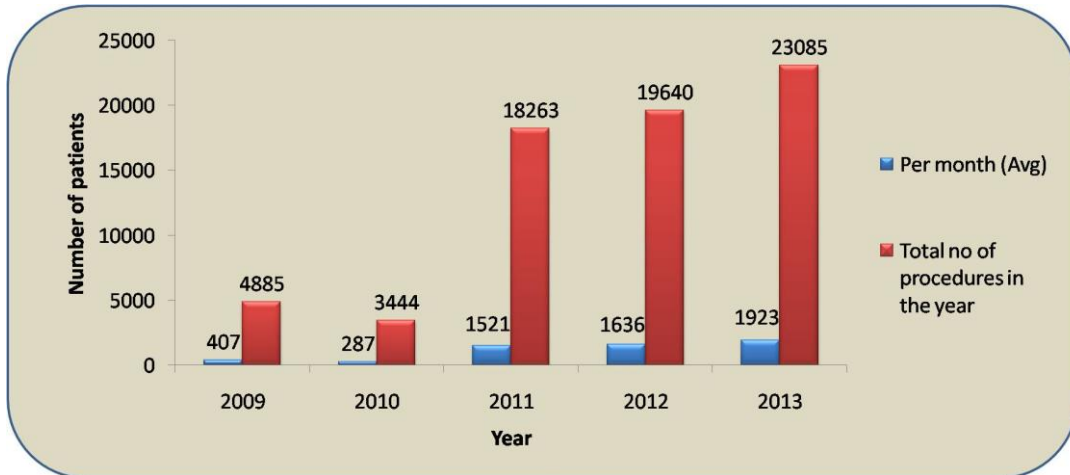
Interns seminar presentation is on Friday from 9.30am – 10.30am

Postgraduate students

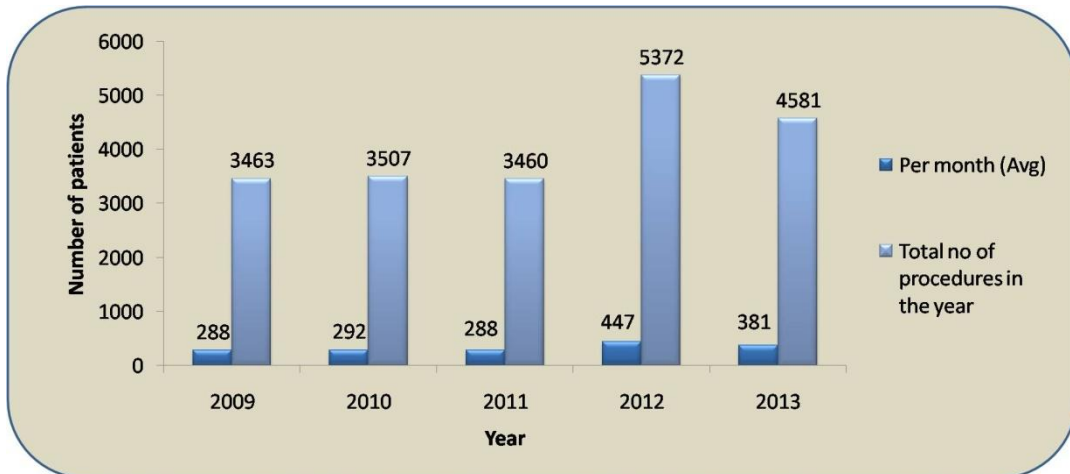
- Seminar , journal club and case presentation on Mondays to Thursdays from 9.30am – 10.30am
- Discussion forum on Mondays to Thursdays on 1.30pm – 3.30pm.

D) Number of procedures in clinics per month and year-

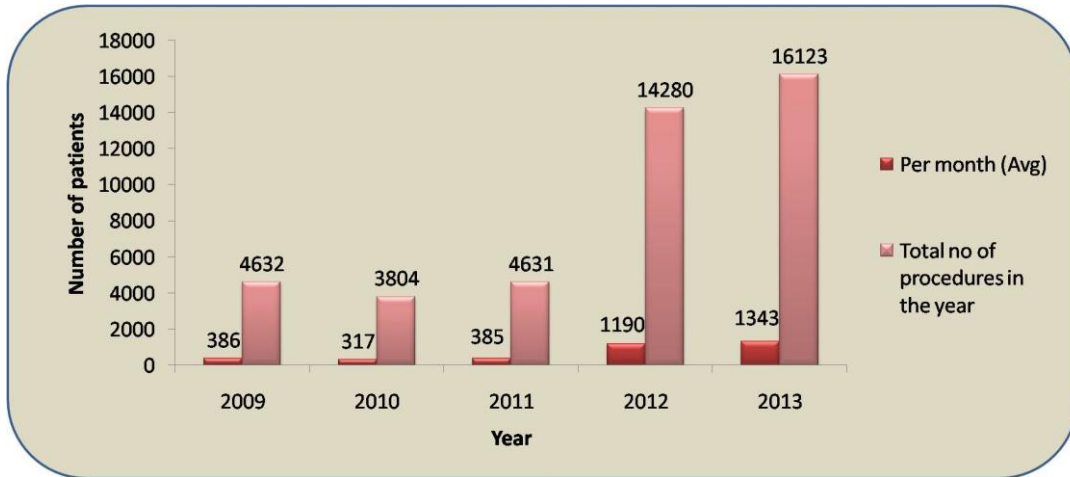
i) Department Of Oral Medicine and Radiology



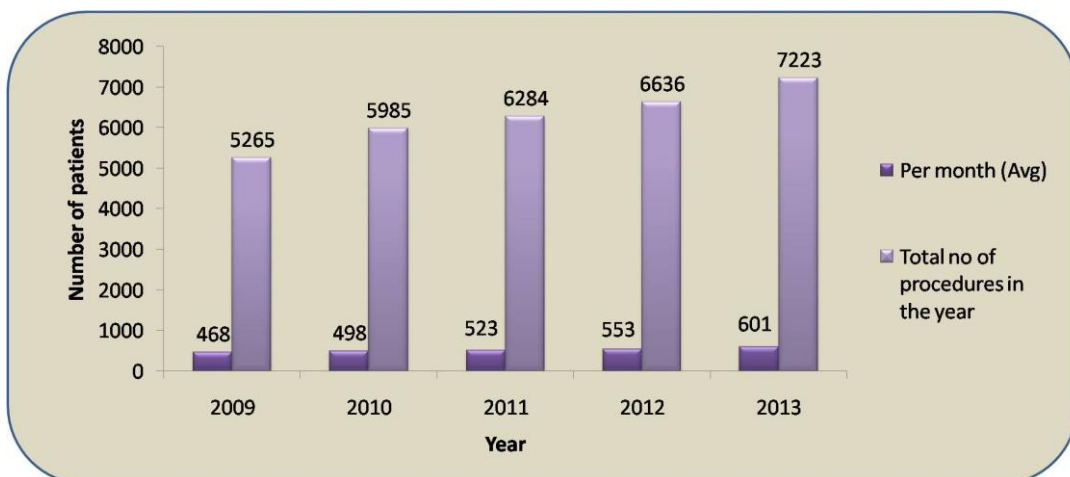
ii) Department of Oral and Maxillofacial Surgery



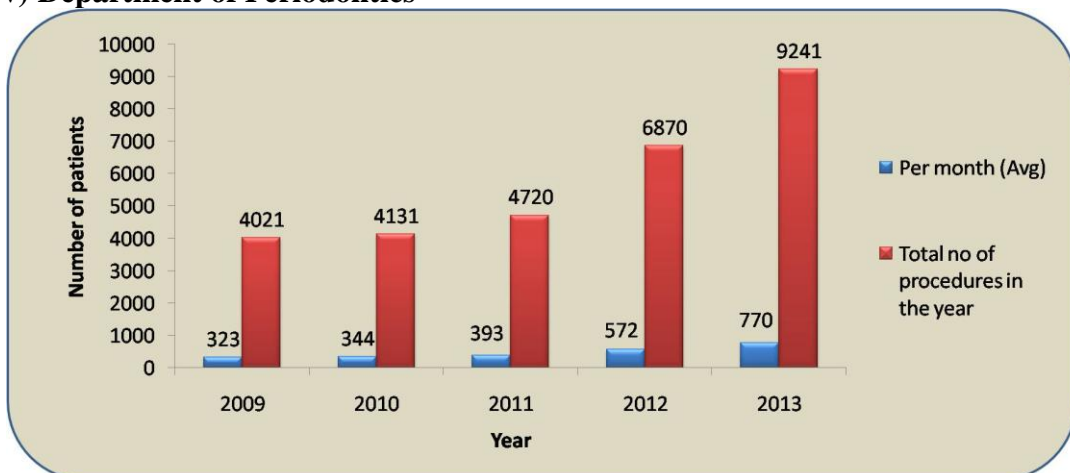
iii) Department of Prosthodontics



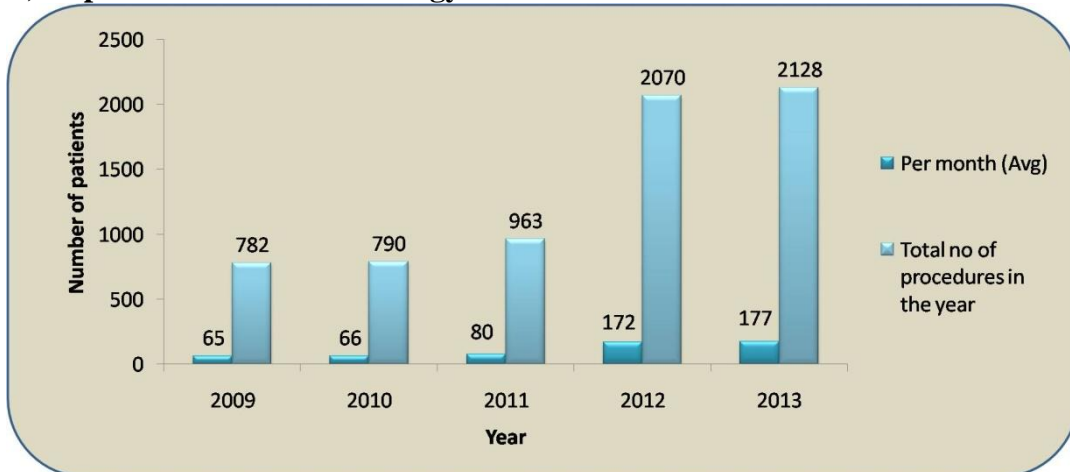
iv) Department of Conservative Dentistry and Endodontics



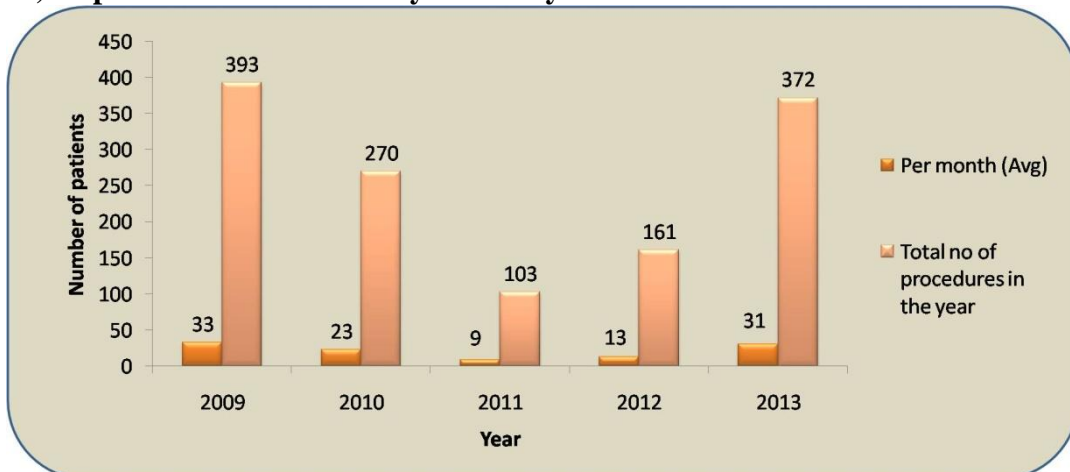
v) Department of Periodontics



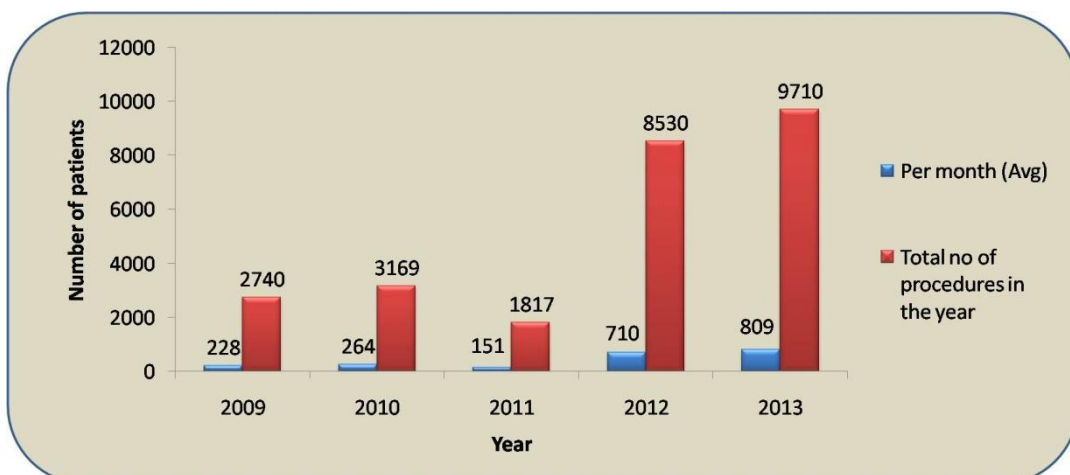
vi) Department of Oral Pathology



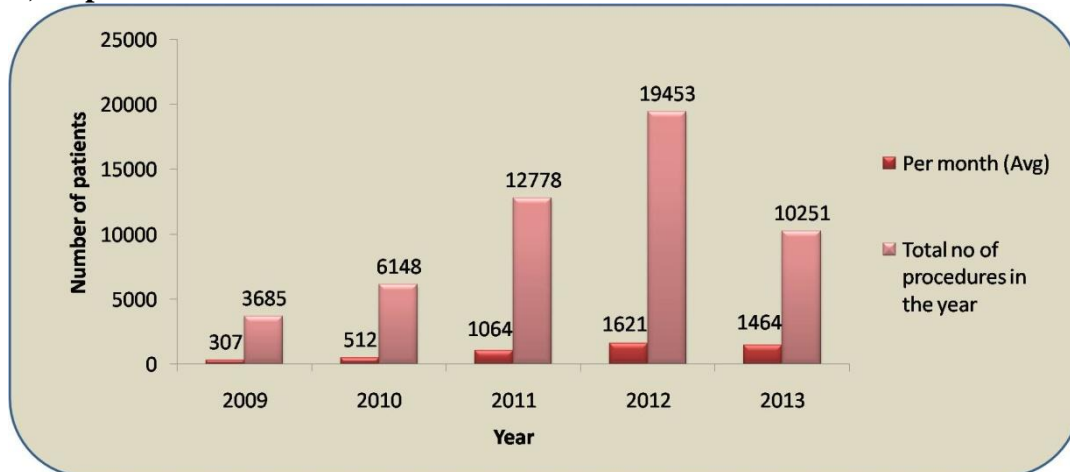
vii) Department of Community Dentistry



viii) Department of Pedodontics



ix) Department of Orthodontics



E) Mobile dental care unit

- Department of Pedodontics and Preventive Dentistry - 5 units
- Department of Public Health and Community Dentistry - 2 units
- Total Number of Mobile dental care units - 7

F) Facilities for dental and maxillofacial procedures

- Dental chairs - electrical and semi electrical dental chairs
- Imaging - digital panoramic radiographic machine, 100ma general radiology machine, digital intraoral radiographic machines (CCD and PSP), 2D ultrasound machine, intraoral camera x ray machine, RVG – digital intra oral radiographic machine, automatic processor, X ray viewers, photomicrographs of histopathologic slides, stereo and research microscope
- Sterilisation - autoclave, ultrasonic tray cleaners, UV sterilizer
- Other equipments - TENS equipment, , pulp vitality testers, apex locator, paralleling technique kit, , conscious sedation unit, portable dental kit, magnifying loupes, pulse oxymeter, endometer, iontophoresis, electrocautery, micro surgical kit, periotron, air polisher, light cure unit, bone harvesting kit, ultrasonic scalers, rotary endodontic, instrument retrieval systems, soft tissue laser,.

G) Dental Laboratories

- Each clinical department has both wet lab and dry laboratory for clinical purpose and a preclinical laboratory.
- Biochemistry laboratory for diagnosis, histopathology laboratory, haematology laboratory, dental anatomy and histology laboratory, oral pathology laboratory.
- Medical department has laboratories like anatomy, physiology, biochemistry, pharmacology, pathology, microbiology.

- Facilities available in the laboratory are Phantom table with phantom heads, plaster dispenser, vibrator, model trimmer, lab micromotor, acryliser, hydrosolder, biostar, penta mix, alginate mixer, milling unit, curing pressure pot, ceramic furnace, casting machine, electro polishing, die sectioning unit, duplicating unit, soldering and welding torch, model trimmer, pindex machine, deflasking unit, dental lathe, sand blaster, burn out furnace, wet trimmer, porcelain furnace, ceramic instrument kit, vacuum mixer, casting ring sheets, pre heating furnace, high speed grinder, touch and press ceramic furnace, pickling unit, variable intensity polymerization unit, spot welder, lab micromotor, three plane and hinge articulators, hydro soldering unit.

4.1.10 Pharmacy

Pharmaceutical Science Laboratories

Museum for drug formulations

Machine room

Herbarium / crude drug museum

Balance room

Chemical store

Instrumentation facilities

Pilot plant

Computer aided laboratory

NOT APPLICABLE

4.1.11 Yoga and Naturopathy

Demonstration hall with teaching facility to cater to the needs of the students

Diet Service Management Department

Yoga cum multipurpose hall for meditation and prayer

Solarium compatible for multimedia presentation

Mud Storage Unit

Outdoor Facilities - Walking track with reflexology segment.

Swimming Pool

Naturopathy blocks

NOT APPLICABLE

4.1.12 Homoeopathy

Museum and demonstration room (Homoeopathic Pharmacy

Laboratory, Pathology Laboratory, Community Medicine,

Homoeopathic MateriaMedica, Organon of Medicine including History of Medicine)

Repertory with Computer Laboratory and Demonstration Room

NOT APPLICABLE

4.1.13 Nursing

Nursing Foundation Laboratory
Medical Surgical Laboratory
Community Health Nursing Laboratory
Maternal and Child Health Laboratory
Nutrition Laboratory
Pre-clinical Laboratories
Specimens, Models and Mannequins

NOT APPLICABLE

4.1.14 Ayurveda

Herbal Gardens
Museum Herbarium
Panchakarma Facility
Eye Exercises Clinic
Kshara Sutra and Agni Karma Setup
Ayurveda Pharmacy

NOT APPLICABLE

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

Meditation Hall

We provide meditation hall for all students and we have a yoga centre.

Naturopathy blocks

NOT APPLICABLE

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

Department	Equipments Procured
Oral Medicine and Radiology	Digital Panoramic radiographic machine, Digital intraoral radiographic machine (PSP plate), 2D Ultrasound machine with linear(5-7 Hz) and intraoral probe(7-10 Hz), Conventional extra oral radiographic machine(100 mA), Intra oral camera
Oral and Maxillofacial Surgery	Implant physiodispenser, Surgical Laser System, Cautery Unit, Ultrasonic bone surgical unit, Fumigator, operating microscope, Synthesis Saw System, Sinus Lift Osteotome Set, Luxator set, Orthognathic Surgery Set, Trauma Set, Distractor Set
Oral and Maxillofacial Pathology	Ez Retriever Microwave, Deep freezer (-20), Binocular microscopes

Pedodontics and Preventive Dentistry	Portable Dental Units, Digital Intraoral Radiography, Conscious Sedation Units, Hydrosolder, Magnifying Loups, Pulse Oximeter, TENS (for Electronic Dental Anaesthesia), Endomotor
Orthodontics	Arch Mate, Biostar Machine, Hydrosolder, Lingual Typhodonts And Mounting Jig, Implants, LED Light Cure Units, Sand Blaster (Chair Side), Electropolisher, SAM Articulator
Periodontics	Diode LASER, Microsurgery Unit, Prophyjet Air Powder Polishing System And Fluoride Iontophoresis
Conservative Dentistry	Radiovisiography (Kodak), Surgical Endodontic Microscope, Pulp Tester With Apex Locator, Electric Pulp Tester, Crown Remover, Semi Adjustable Articulator, Automatic X-Ray Developer, Variable Intensity Led Unit , Sonic Endo System, Reduction Gear Endo Hand Piece, Iontophoresis Device, Light Cure Units, Tissue Contouring System, Thermo Prep Kit, Thermo-Plasticized Obturation System, Instrument Retrieval System, Bleaching Unit, Hu Friedy Set Of Instruments, Pressurized Injection System
Prosthodontics	Milling Unit Af-350 Complete With Milling Tools, Palatal Trimmer (Renfert), Metal Caliper, Caliprettos-Renfert, Olympus Magnus Stereo Research Microscope, Model-MszTr With Digital Micro Photography, Polyclav Pressure Vessel, Lediton 100-240V, Double Disc Model Trimmer With Caborendum Disc, Magnifying Work Lamp, Implant Micro Surveyor

4.2 Clinical Learning Resources

4.2.1 Teaching Hospital

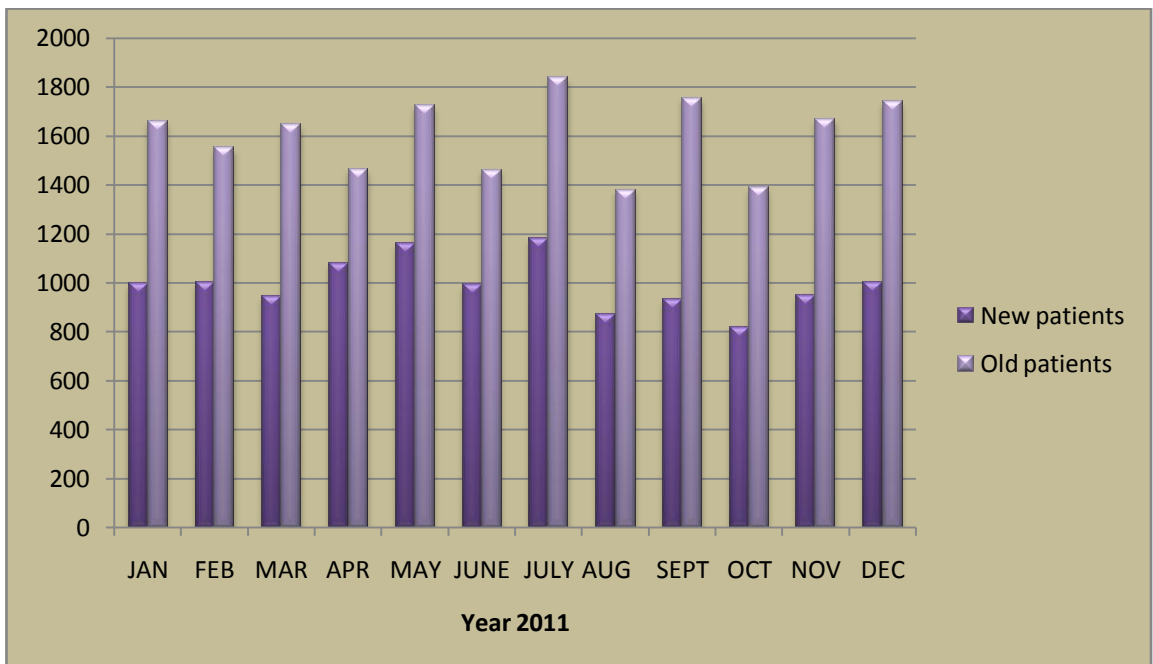
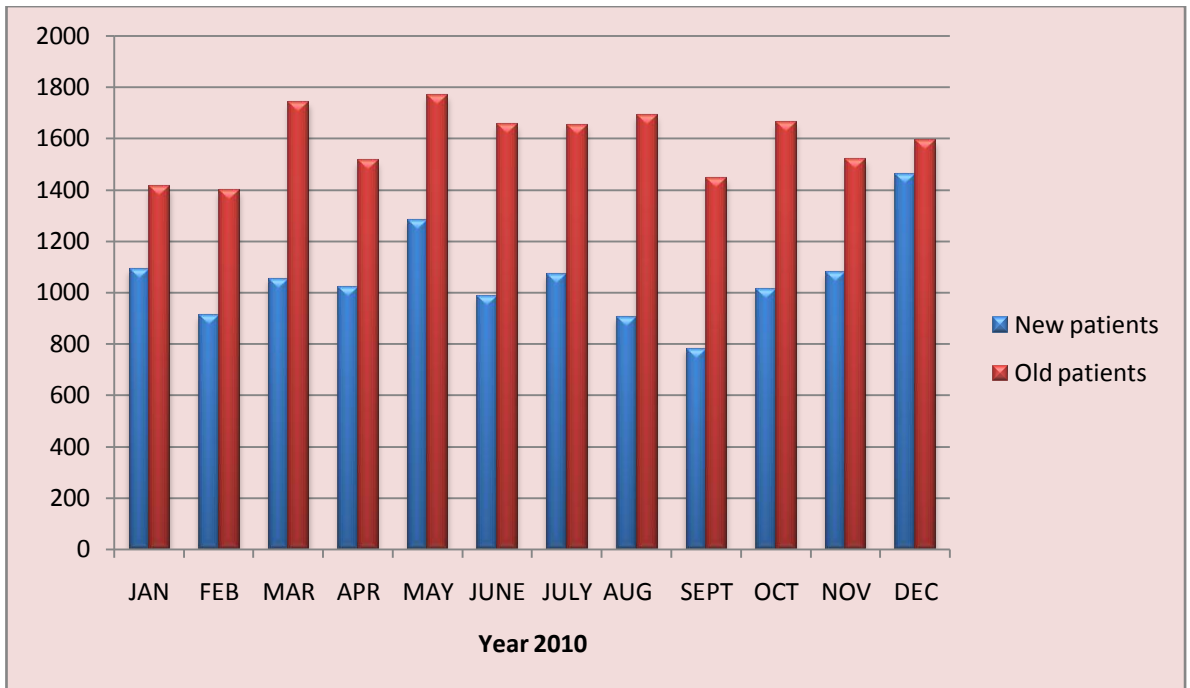
Dental hospital is an integral part of the institution where all dental procedures are taught. For medical facilities (in terms of treatment and teaching) the institution is associated with SevaKshetra Hospital, which is closely located. A general hospital is being constructed within the college campus.

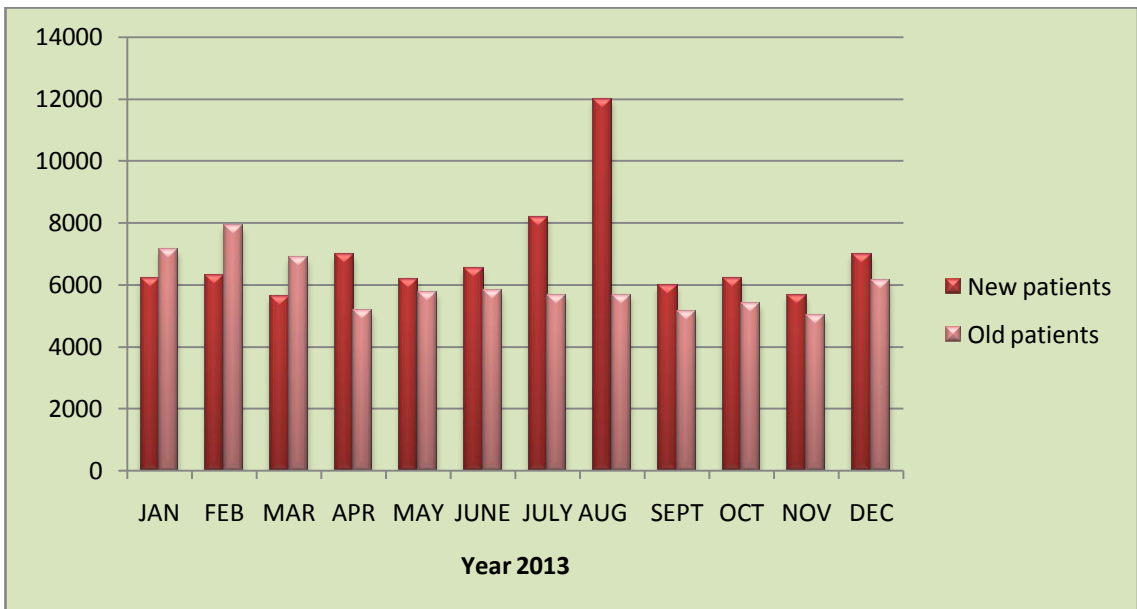
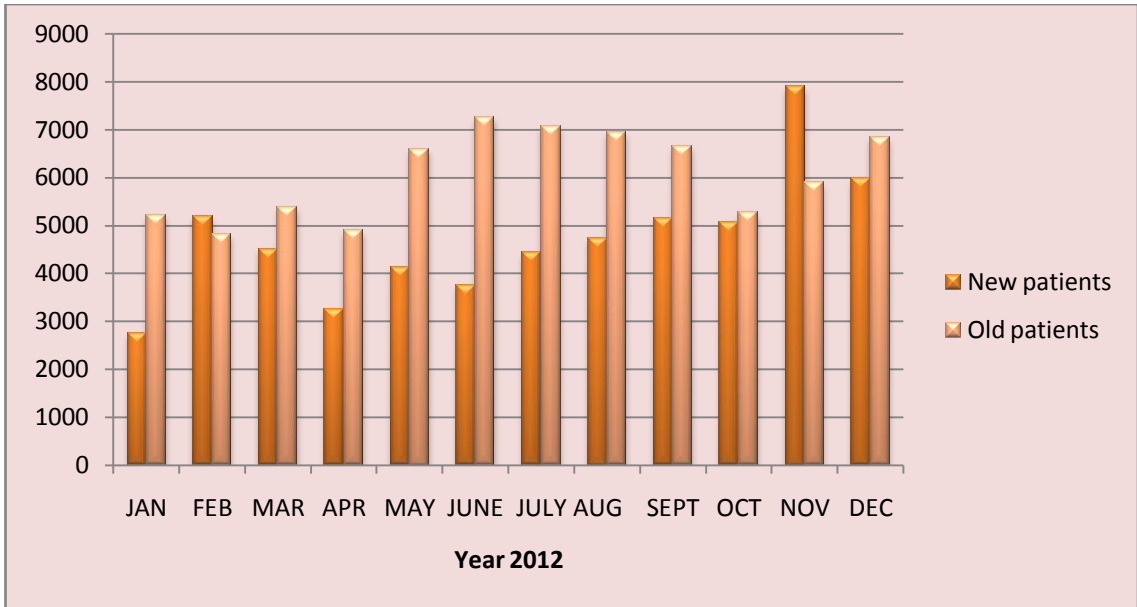
- **Year of establishment** - Year of establishment of dental hospital is 1992. Year of establishment of the Sevakshetra hospital is 1977.
- **Hospital institution distance** - Distance between the institution and the general hospital is less than 3 kms.
- **Whether owned by the college or affiliated to any other institution?** The general hospital is owned by a different organisation
- **Are the teaching hospitals and laboratories accredited by NABH, NABL or any other national or international accrediting agency?**
Not currently

- **Number of beds** - General hospital has 135 beds out of which Dental ward has 25 beds (5 – paediatric, 10 – male, 10 – female in general ward)
- **Number of specialty services** - Dental hospital has 9 specialities (oral medicine and radiology, oral and maxillofacial surgery, prosthodontics, conservative and endodontics, periodontics, pedodontics, orthodontics, community dentistry, and oral histology and pathology)
- **Number of super-specialty services** – Nil
- **Number of beds in ICU / ICCU / PICU / NICU, etc.** - General Hospital has 5 beds in ICU which are available for dental hospital patients.
- **Number of operation theatres** - General hospital has 4 operation theatres and 2 are available for dental patients with generator back up in case of emergency.
- **Number of Diagnostic Service Departments** - 2 diagnostic services are available in dental hospital
- **Clinical Laboratories** - Dental hospital has 3 clinical laboratories.
- **Service areas viz. laundry, kitchen, CSSD, Backup power supply, AC plant, Manifold Rooms, pharmacy services** - Yes all services like laundry, AC plant , pharmacy facility is available in general hospital. Generator back up is available for all operation theatres in case of emergency.
- **Blood Bank services** - Nil
- **Ambulance services** - Dental hospital has 2 ambulances.
- **Hospital Pharmacy services** - In house pharmacy facility is available in general hospital.
- **Drug poison information service** - Yes, Drug poison information is available.
- **Pharmacovigilance** - Yes, Drug safety measures are taken.
- **Mortuary, cold storage facility** - Yes the general hospital has cold storage facility in mortuary.
- **Does the teaching hospital display the services provided free of cost?** Yes the services which are provided for free are displayed in both general and dental hospital.
- **What is the mechanism for effective redressal of complaints made by patients?**
 - A managing Director and administrator will take effective actions against the complaints made by patients and necessary changes are done for the benefit of the patient. All the queries are answered.
- **Give four years statistics of inpatient and outpatient services provided.**

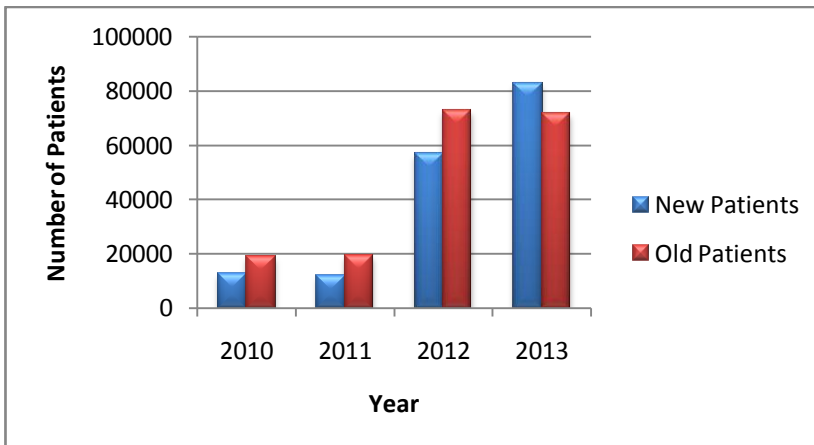
Dental Hospital

Month-wise distribution





Annual Distribution



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

Yes, hospital displays charges levied for paid services.

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

Yes, list of all faculties in each speciality is displayed in both general and dental hospital premises.

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

Yes, pictorial representation of the various areas of the hospital has been displayed in a manner suitable for illiterate patients to understand.

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

Not applicable

- **How does the hospital ensure dissemination of factual information regarding rights, responsibilities and the health care costs to patient and the relatives/attendants?**

The costs of the various treatments are put up on the dental hospital website and also prominently displayed in the individual departments.

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

Patients are explained in the language understood by them about the diagnosis and treatment and consent is obtained prior to the surgery in both general and dental hospitals.

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

Yes, the hospitals have well-defined policies for prevention of hospital acquired infections.

- **Does the hospital have good clinical practice guidelines and standard operating procedures?**

Yes, the hospitals have good clinical practice guidelines and standard operating procedures.

- **Does the hospital have effective systems for disposal of bio-hazardous waste?**

Yes the hospitals have standardized bio hazard waste disposal system.

- **How does the hospital ensure the safety of the patients, students, doctors and other health care workers especially in emergency**

department, critical care unit and operation theatres? Are the safety measures displayed in the relevant areas?

Safety of the patients, students, faculty and all other workers are ensured by following the safety norms specified by the BIS. The safety measures are displayed in general hospital premises.

- **How are the Casualty services/Accident and Emergency Services organized and effectively managed?**

The general hospital manages the casualty, accident and emergency services in a organised way which is continuously monitored by the management.

- **Whether the hospital provides patient friendly help-desks at various places.**

Yes, patient friendly help desks are present at the hospital entrance which helps the patients to communicate with hospital in charge at any point of time.

- **Does the hospital have medical insurance help desk?**

Yes medical insurance helpdesk is available in general hospital. There is a provision to accept various insurances from both government and private sector companies.

- **What are the other measures taken to make the hospital patient friendly?**

- Each department has signboard with department details and room numbers displayed in both English and regional language for easy identification for the patients.
- Parking facility is available for patients.
- Elevator and wheel chair facility is available for differently abled people.
- Drinking water along with rest rooms are available at each floor
- Canteen facility is available in the campus.

- **How does the hospital achieve continuous quality improvement in patient care and safety?**

Dental hospital follows the norms of DCI and the quality check is done by the principal periodically. Newer facilities are provided and instruments and equipments are upgraded periodically to ensure quality care for the patients.

- **What are the measures available for collecting feedback information from patients and for remedial actions based on such information?**

Feedback forms are available for the patients to fill in their views about the infrastructure and treatments. These forms are evaluated by a committee which takes necessary remedial actions based on the feedback received.

- **How does the institution ensure uniformity in treatment administered by the therapists?**

Rate list of the services provided are clearly displayed both in the departments and on the institution website to maintain uniformity in fees collected for the procedures performed. Details about free services are also displayed.

- **Does the institution conduct any orientation training program for AYUSH-based para-medical staff?**

No, institution does not conduct any orientation training program for AYUSH-based para-medical staff.

4.2.2 What specific features have been included for clinical learning in the outpatient, bedside, community and other clinical teaching sites?

- UG and PG students undertake most of the procedures including clinical examination, diagnosis and treatment under the guidance of the faculty to ensure proper learning of clinical procedures at outpatient, bedside, community and other clinical teaching sites (such as community camps, outreach centres)
- School based screening and treatment programmes are conducted regularly in rural and urban schools by the students which gives them a wide exposure to different community based dental problems and ways to handle them.
- PG students from Department of Pedodontics are posted for one month at the KanchiKamokoti Child Trust Hospital, Chennai, which gives them a good exposure in various fields like genetics, cardiology, counselling, management of special children, and general anaesthesia.
- Students have also been posted at other educational and treating hospitals like NIMHANS, Bangalore institute of oncology, Sanjay Gandhi hospital for accident and trauma.

4.3 Library as a Learning Resource

4.3.1 Does the library have an Advisory Committee? Specify the composition of the committee. What significant initiatives have been implemented by the committee to render the library student/user friendly?

Yes, the library has an advisory committee comprising 9 members which includes the chief librarian, staff, students and alumni. Vice principal is the chairman of the committee.

The committee meets periodically to discuss the issues related to improvement of facilities and usage of library by students. The committee formulates the policy and guidelines for smooth and efficient functioning.

Some of the initiatives implemented include:

- Installation of LIBSOFT software to make library user friendly.
- Feedback collection from students and alumni regarding improvement of library and modifications are done accordingly.
- Biannual book exhibition from different publishers in the library
- Collecting suggestions related to books and periodicals required in the library
- Cash prize to the staff and students for maximum utilisation of the library
- Yearly twice book exhibition is conducted by publishers in the college library – subject wise. The students and staff are asked to suggest books to be bought for the department and also to library as per the requirement. Books and journals which are bought recently will be displayed in library.

4.3.2 Provide details of the following:

- Total area of the library (in Sq. Mts.) – 4545 sqmts
- Total seating capacity – 100
- Working hours (on working days, on holidays, before examination, during examination, during vacation)

Workings days and vacation	Monday – Friday	10 am – 5.30 pm	1.30 pm – 2.30 pm
	Saturday	10 am – 5.00 pm	1.30 pm – 2.30 pm
Before and during examination	Monday – Saturday	10 am – 8.30 pm	1.30 pm – 2.30 pm
	Sunday	10am – 1.30 pm	

- **Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)**

There is separate UG and PG reading section and an internet sections for users.

- All books are arranged subject wise and kept in glass cupboards to facilitate easy viewing of the available books. There are about 51 glass cupboards to arrange books and 3 cupboards to maintain the records of the library.
- There are 2 journal racks in which the new arrivals are displayed.
- Chairs and tables are arranged in an organised manner to facilitate easy reading for the students and staff.
- Staffs present at the library counter at the entrance assist users in searching books and issuing them.
- There are 11 computers and 3 laptops with printer scanner and copier facility for users.

- There are power plug points near tables for connecting personal laptops
- The library is Wi-Fi enabled. A black board is available where details of journals and new arrivals are updated. Notice board is also present at the entrance for displaying any related information. Water purifier and rest room facility is also available.

List of library staff with their qualifications

Sl No	Name	Qualification	Post
1	H.C.Revannasiddappa	B.Sc, B.Lib. Sc, A.D.I.S.I	Senior Librarian
2	Ningana Gouda	B.Lib. Sc, M.Lib. Sc	Junior Librarian

4.3.3 Give details of the library holdings:

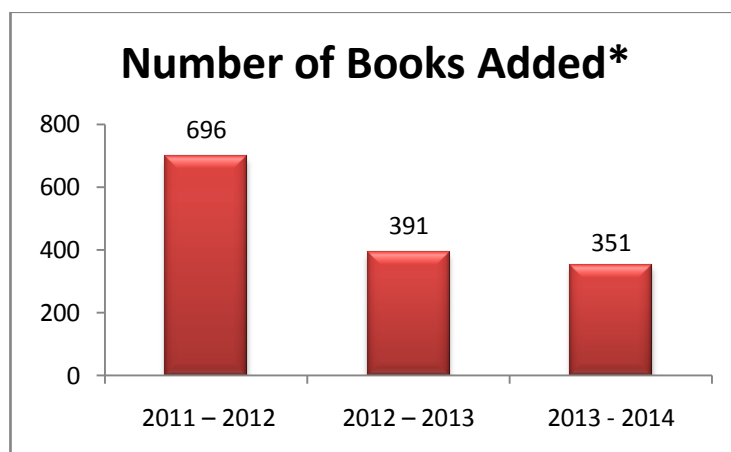
- Print (books, back volumes, theses, journals)

Print	Numbers
Books	6839
Thesis	431
Journals*	
International	37
Indian	11

*back volumes of 1058

Books are classified according to special classification scheme developed by National Library of Medicine, New Delhi, and are arranged subject wise to enable the users to find their required books easily.

Average number of books added during the last three years



*Since the library has books more than that specified by the DCI, importance has been given to acquiring more number of journals and special books for PG students with same or increased budget. Refer to 4.3.6.

- **Non Print (Microfiche, AV)** - 401 Non printed copy
- **Electronic (e-books, e-journals)** - 306 e – books and 41 e – journals and 145 book banks
- **Special collections (e.g. text books, reference books, standards, patents)**

Book bank – special book bank is available. 145 books are available for SC/ST students.

- **Question bank-** 100 question banks are available in library for students and staff.

Apart from these magazines and newspapers are also available.

4.3.4 To what extent is ICT deployed in the library? Give details with regard to

- **Library automation**
 - Library is automated with software called LIBSOFT 9.0.0. The features of this software include digital library, virtual library, direct link to MS – WORD, MS – EXCEL in case of report generation, direct e-mail facility, CAS (Current Awareness Service), and SDI (Selective Dissemination Of Information).
- **Total numbers of printers for general access** - 1 copier with printer and 1 printer exclusively for printing (for general access) and 1 scanner.
- **Total number of computers for general access** - 11 computers and 3 laptops are available for general use.
- **Internet band width speed V 2mbps V 10 mbps V 1 GB** - Library has Wifi facility with an internet band width speed of 2mbps.
- **Institutional Repository** – library has soft copy of dissertation of our college PG students and few other college students.
- **Content management system for e-learning** - Not available
- **Participation in resource sharing networks/consortia (like INFLIBNET)** - Our institution is a member of HELINET consortium of RGUHS since 2004. We have access to 306 e-books and 41 e-journals on HELINET.

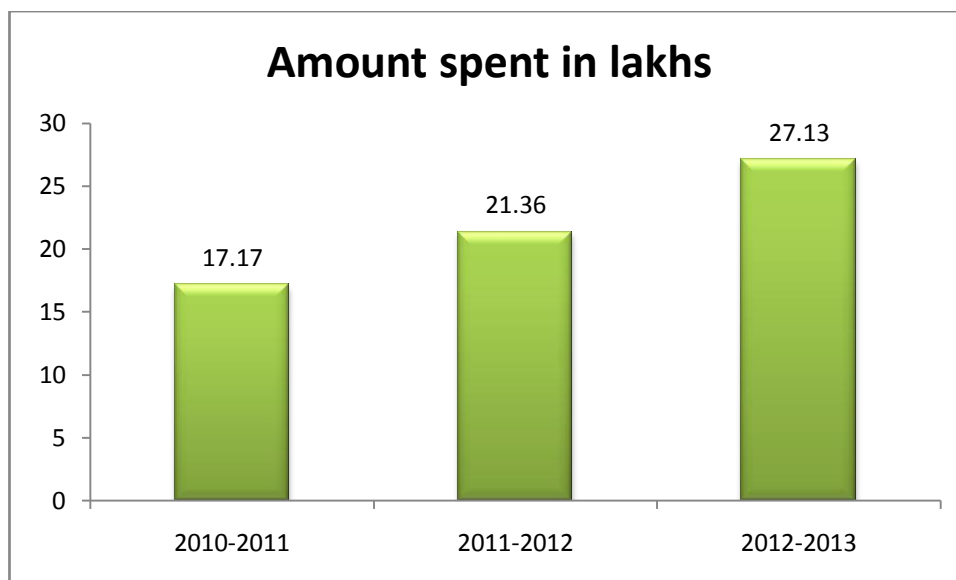
4.3.5 Give details of specialized services provided by the library with regard to

- **Manuscripts** - Not available
- **Reference** - Reference books are available for reading in the library
- **Reprography / scanning** - Scanner and copier facility is available

- **Inter-library Loan Service** – Inter library loan facility is available in association with NIMHANS, Oxford Dental College & Hospital, M.S.Ramaiah Dental Hospital, MR Ambedkar Dental hospital, and Dayanandsagar Dental College Hospital. Institution has membership access for British library.
- **Information Deployment and Notification** – Not applicable
- **OPAC (Online Public Access Catalogue)** - Yes, the facility is available.
- **Internet Access** - Full time internet access with full speed Wi-fi and LAN facility is available.
- **Downloads** – Downloads of e books, e journals can be done in the library.
- **Printouts** – Printers are available in library for the students and staff to take print outs as and when needed.
- **Reading list/ Bibliography compilation** –Books available in the library are listed out in the register available in the reception for easy access to the students.
- **In-house/remote access to e-resources** – Yes, in house internet facility is made available through the WiFi facility so that e-resources can be downloaded in library and in the department.
- **User Orientation** – Orientation programme is conducted every year for all new batch of students regarding the facilities available and use of library resource. Id cards are also issued in the beginning of the academic year. Library users (students and faculty) are also given incentives by way of annual awards for maximum use of library.
- **Assistance in searching Databases** - Library in charge provides training for basic computer skills like collecting information, retrieval, database search and searching e -journals and e- books from HELINET to users.
- **INFLIBNET/HELINET** – HELINET access is available which provides access to 306 e-books and 41 e-journals. Hard copy of these articles and books can be taken in library.

4.3.6 Provide details of the annual library budget and the amount spent for purchasing new books and journals.

An amount of 24 lakh Rupees is allocated in the annual budget every year. Details of the amount spent in purchasing books in the last 3 years are elaborated in the figure.



4.3.7 What are the strategies used by the library to collect feedback from its users? How is the feedback analysed and used for the improvement of the library services?

The librarian collects feedback from faculty and students through a suggestion/ feedback box provided. Anonymity of the person is maintained. Suggestion book for faculty and visitors is also maintained. The suggestions obtained are discussed by the Library committee with principal. Required changes are implemented in the interest of the students and staff.

4.3.8 List the efforts made towards the infrastructural development of the library in the last four years.

- Renovations and up gradation of library infrastructure has been initiated. New cupboards with glass shutters and other furniture have been added.
- New books and journals have been added
- One kiosk has been added for e-learning.
- Library software has been updated.

4.4. IT Infrastructure

4.4.1 Does the institution have a comprehensive IT policy with regard to:

- **IT service Management**

The management has a comprehensive policy for automation of college administration, hospital administration and use of IT facility in teaching and learning programmes. These include provision and up gradation of the software requirements according to the recommendations of the Dental Council of India.

Desktop computers and laptops are provided to all the departments. Maintenance and management of the same is outsourced. Constant monitoring regarding usage of the systems by faculty and students is undertaken. Computer technician is available all the time in the campus for training the staff and to maintain the computers.

The management has also installed a fully functional LAN based facility that ensures seamless connectivity throughout the campus. Further, a qualified IT engineer is available on campus to maintain the equipments and service related issues.

- **Information Security**

A software based firewall is installed to handle external and internal network threats and to safeguard critical data.

Data maintenance is also ensured by scheduled backup to an external device on a regular basis. The Wi-Fi network is authenticated with a unique username and password which is disclosed only to the students and faculty.

- **Network Security**

The institution has outsourced the network facility from GurudevInfotech. Monitoring of the network usage is done through a centralized call logging and follows up facility in order to ensure proper usage of the infrastructure and to avoid any misuse. The Wi-fi network is authenticated with a unique username and password which is disclosed only to the students and faculty.

- **Software Asset Management**

Copyrighted softwares like Pnemoceph software used in Department of Orthodontics, Oral & Maxillofacial Surgery and Pedodontics. Image Analysis software. (Progress and Image Pro-express 6.0) Kodak software for digital imaging (RVG) in the Department of Conservative Dentistry & Endodontics. Scanneo software in Department of Pedodontics for digital radiograph.

- **Open Source Resources**

Open source resources such as PubMed, Medscape, Medline other databases can be easily accessed throughout the campus.

- **Green Computing**

As institution is environment conscious, LCD and LED monitors are used. To conserve energy, faculty and students are encouraged to switch off the computers when not in use. Reduction in paper usage is ensured through wider use of email communication and reduction in the print outs taken.

4.4.2 How does the institution maintain and update the following services?

- **Hospital Management Information System (HMIS)**

Proprietary hospital management as well as asset management software has been installed to ensure smooth functioning of the institution. These are maintained by the IT consultant firm GurudevInfotech.

- **Electronic Medical Records System (EMR)**

The hospital maintains patient records on a centralised electronic medical records system at the reception. This data is available to the other departments on request. Currently several newer technology options are also being considered.

- **Digital diagnostic and imaging systems including PACS**

Dental imaging and diagnostic services is maintained by the Department of Oral Medicine and Radiology. This includes both digital intraoral as well as extra-oral imaging systems along with relevant software for storing and retrieving patient data. Prints of the images are available to patients and other consultants on request and by payment of a nominal fee.

4.4.3 Give details of the institution's computing facilities i.e., hardware and Software.

All the departments including clinical and administrative departments have been provided with both desktops and laptops. These are configured for the individual department requirements including the application of specific clinical equipments. These are also used for patient education and care.

Copyrighted softwares like Pnemoceph software are used in Departments of Orthodontics, Oral & Maxillofacial Surgery and Pedodontics. Image Analysis software (Progress and Image Pro-express 6.0), Kodak software for digital imaging (RVG) are being used in the Department of Conservative Dentistry & Endodontics. Scanneo software is installed in the Department of Pedodontics for digital radiographs.

Proprietary software available in institution are Microsoft windows, Excel, Word, Adobe Reader, Internet Explorer, Real player, Patient management software, student information system.

- **Number of systems with individual configurations**

The library has a separate computer section with 11 desktop computers and 3 laptop computers along with a scanner and 2 printers. A total of 51 computers have been installed in all the departments with printer and scanner facility.

- **LAN facility and Wi-Fi facility**

All the departments in the college are connected through a LAN network and the campus has WiFi facility for internet connectivity

- **Total Number of computers in the institution: 51**

- **Total Number of students in institution : 330**

- **Computer : Student ratio: 1: 6**

4.4.4 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

The institution periodically evaluates its IT infrastructure and facilities by obtaining feedback from both its students and faculty. Older computers are replaced whenever necessary. As the departments expand appropriate upgradation of IT infrastructure is carried out. Periodic presentations by IT related services keeps the college staff updated on current technologies and their application to dental care as well as student education. Software is upgraded periodically as and when the need arises.

4.4.5 Give details on access to on-line teaching and learning resources and other knowledge and information database/packages provided to the staff and students for quality teaching-learning and research.

Both faculty and students have access to HELINET, a medical digital library resource facility of Rajiv Gandhi University of Health Science, which helps the students and faculties to access learning resources, to enhance their knowledge. Unlimited, highspeed broadband internet facilities are available in the college campus to access these databases. Case study analysis is encouraged to be carried out with the help of IT enabled services during teaching –learning and research activities. Student management system is utilised for maintaining several activities including formation of class schedules, tracking and maintaining internal assessment marks and attendance

4.4.6 What are the new technologies deployed by the institution in enhancing student learning and evaluation during the last four years and how do they meet new / future challenges?

Student information system is used to record student details, internal assessment marks and attendance. LAN / Wi-fi facilities, LCD projectors, Smart class facilities, information kiosk and digital display boards have been added. Access to E - books, E- journals facility is also made available.

4.4.7 What are the IT facilities available to individual teachers for effective teaching and quality research?

The entire faculty is allowed to access and use the college library systems as well as the department laptops and desktops (with internet access) to prepare their lecturers as well as conduct research. Faculty are also permitted to access the Wi-Fi facility through their own laptops and smart devices whenever required.

4.4.8 Give details of ICT-enabled classrooms/learning spaces available within the institution. How are they utilized for enhancing the quality of teaching and learning?

Smart boards and LCD projectors with internet access are available in class rooms and are being regularly used during theory classes. Free WiFi facility is available throughout the campus which is regularly used by the students and faculty to access e - books, e- journals and medical database.

4.4.9 How are the faculty assisted in preparing computer-aided teaching-learning materials? What are the facilities available in the institution for such initiatives?

The IQAC organizes programs to train teachers to prepare computer aided teaching/learning materials by integrating open source materials as well as medical databases that the institution has subscribed to. The teachers are also given the Training of Teachers orientation to enhance their teaching skills. A demonstration is always available in the campus for the training the staff regarding usage of smart class software. Assistance is also provided for any other learning or technical issues.

4.4.10 Does the institution have annual maintenance contract for the computers and its accessories?

Yes. The institution has a MoU for annual maintenance contract for computers and its accessories with GurudevInfotech, Bangalore.

4.4.11 Does the institution avail of the National Knowledge Network (NKN) connectivity? If so, what are the services availed of?

Yes, the institution avails National Knowledge Network connectivity of 2 mpbs - internet connectivity under Ministry of health and resource development scheme.

4.4.12 Does the institution avail of web resources such as Wikipedia, dictionary and other education enhancing resources? What are its policies in this regard?

Yes the institution allows its personnel to access open source materials that enhance their knowledge and skills with free WiFi facility. It also subscribes to medical digital databases like Webinars, Helinet Consortium, Pubmed that provide a wide range of research materials..

4.4.13 Provide details on the provision made in the annual budget for the update, deployment and maintenance of computers in the institution.

An amount of Rs.3.00 to 5.00 lakhs is exclusively made available annually towards updating, deployment and maintenance of computers and its peripherals in the institution.

4.4.14 What plans have been envisioned for the transfer of teaching and learning from closed institution information network to open environment?

Plans are being made to enable knowledge sharing with other institutions as well as patients. The faculty members and PG students will also be encouraged to contribute to open source internet websites and publish their studies in journal which provide open access.

Plans are also being made to publish health talks on the college website which can be freely accessed by patients.

4.5 Maintenance of Campus Facilities

4.5.1 Does the institution have an estate office / designated officer for overseeing the maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.

Yes the institution has a campus maintenance engineer who maintains the building, class room and laboratories as per the requirements of Dental Council of India and RGUHS. Besides the college has plumber (1), carpenters (1), mechanics (2), and electricians (2) whose work is supervised by the engineer.

Details of the development work done during the last four years

- All the departments have been renovated as per Dental Council of India and RGUHS requirements. Each department has Staff room, HOD room, Seminar room, UG, PG section, laboratory, PG common room, and patient waiting area.

- A new Auditorium with seating capacity of 225 equipped with audio video facility, LCD projectors, centralized AC and cushion chairs has been constructed to conduct Continuing dental education programs and other health talks.
- Four Lecture halls have been constructed for students with modern furniture and facilities like audio visual aids, LCD projector, and internet access. Smart classes have been started which helps in demonstrating preclinical work. It is now easier to provide new information by accessing 3D images and videos available on internet which helps in improving the understanding of the subject. These new methods have altogether improved the teaching skills of staff and learning capacity of students.
- CCTV cameras have been installed as a part of security measures
- Laptops, computers with Wi-Fi facility have been given to individual departments to facilitate research and publications.
- Individual locker facility has been provided to all students in boy's and girl's common room. For PG and Staff locker facility is given inside the department.
- Construction of a 250 bedded medical hospital is completed.
- Retina scanner biometrics system has been installed in the campus.

4.5.2 How are the infrastructure facilities, services and equipments maintained? Give details

- Institution has an in-house maintenance engineer for handling the maintenance of the college and hospital infrastructure.
- Institution has signed a contract with SIGMA Security Company to maintain the security services for the college for 24 hours. Security guards work in 3 shifts while 2 security guards are always present in the college. 1 security guard for hostel along with 1 supervisor to manage the same are also posted. 10 members (including a supervisor) have been employed through Hindustan security and housekeeping to maintain the cleanliness of the college. A monthly report is sent to the company by all the departments.
- Garden is maintained by 2 gardeners who been employed by the institution.
- Elevator facility is maintained by the provider Johnson Company through annual maintenance contract
- Backup generator of 100 kv installed in college is maintained by Powerica Generators while the 25 kv generator at the hostel is maintained by sun power generators.

- Institution has a separate borewell for water supply to college and BWSSB supplies hostel which are maintained by maintenance engineer.
- Pest control has been outsourced.

4.5.3 Has the institution insured its equipments and buildings?

Any other information regarding Infrastructure and Learning Resources which the institution would like to include.

YES, the institution buildings and equipments have been insured through Reliance commercial care policy. Period of insurance - 22.03.2013 – 22.04.2014; Policy no – 1415332616000052

Apart from damage due to fire, burglary and machinery breakdown the insurance also covers damage to building and its contents (furniture and others) as a result of earthquake and acts of terrorism.

Bangalore One services are provided in the college campus.

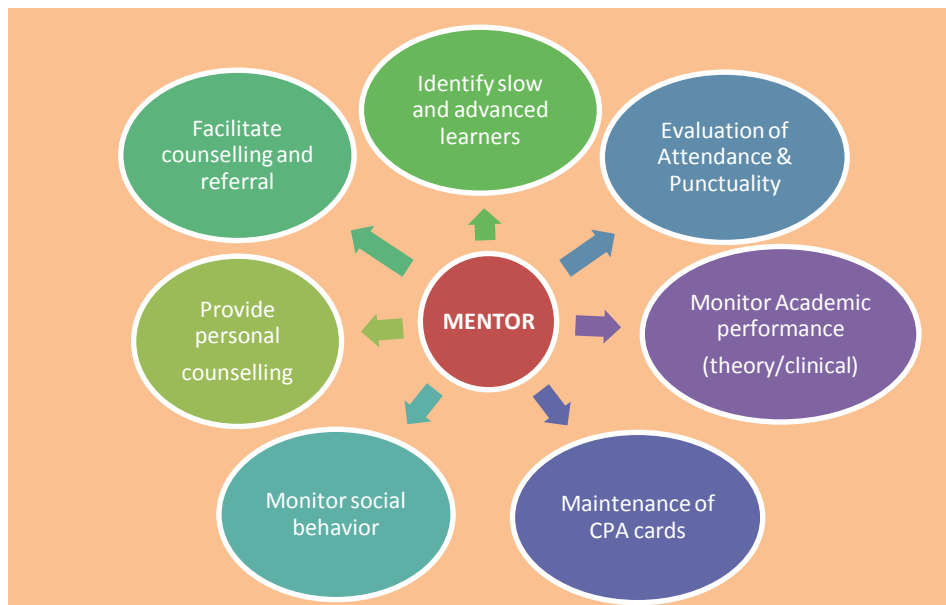
5.1 Student Mentoring and Support

5.1.1 Does the institution have a system for student support and mentoring? If yes, what are its structural and functional features?

Yes. The institution does have an organized student support and monitoring system for improving their academic and social performance. Head of each department ensures that all the students of the department are divided into groups. Each group is mentored by a particular staff member, who monitors their academic performance and ensures development of knowledge, attitude and skills of the mentee. The mentor also

- Identifies slow learners and advanced learners
- Records students' performance in Continuous Progress Assessment (CPA) card
- Collects information from the faculty of other relevant departments on the student's academic performance and any deviations from normal behaviours.
- Gathers information about the well-being of the mentees staying in the hostel from the warden

The collected information is discussed with the concerned HOD and principal such of those who need counselling are referred to the counselling committee. Parents are informed about the progress of their ward on a regular basis and through parent-teacher meetings.



5.1.2 Apart from classroom interaction, what are the provisions available for academic mentoring?

Apart from classroom interaction, students are encouraged to interact with teachers personally in case of any doubts/problems in theory/clinical aspects of the subject. Chair side teaching is carried out during practical classes and in the clinics to help students understand the clinical implications.

The assigned mentor assesses the performance of the students continuously and identifies underperformers. Regular remedial classes are conducted for

underperformers to enhance their learning abilities and fulfil the academic requirements. Those students requiring extra help are mentored during holidays as well. Periodically parent-teacher meetings are conducted. Freshers with problem in English language are directed to attend bridge courses to improve their language skills.

5.1.3 Does the institution have any personal enhancement and development schemes such as career counselling, soft skills development, career path identification and orientation to well-being for its students? Give details of such schemes?

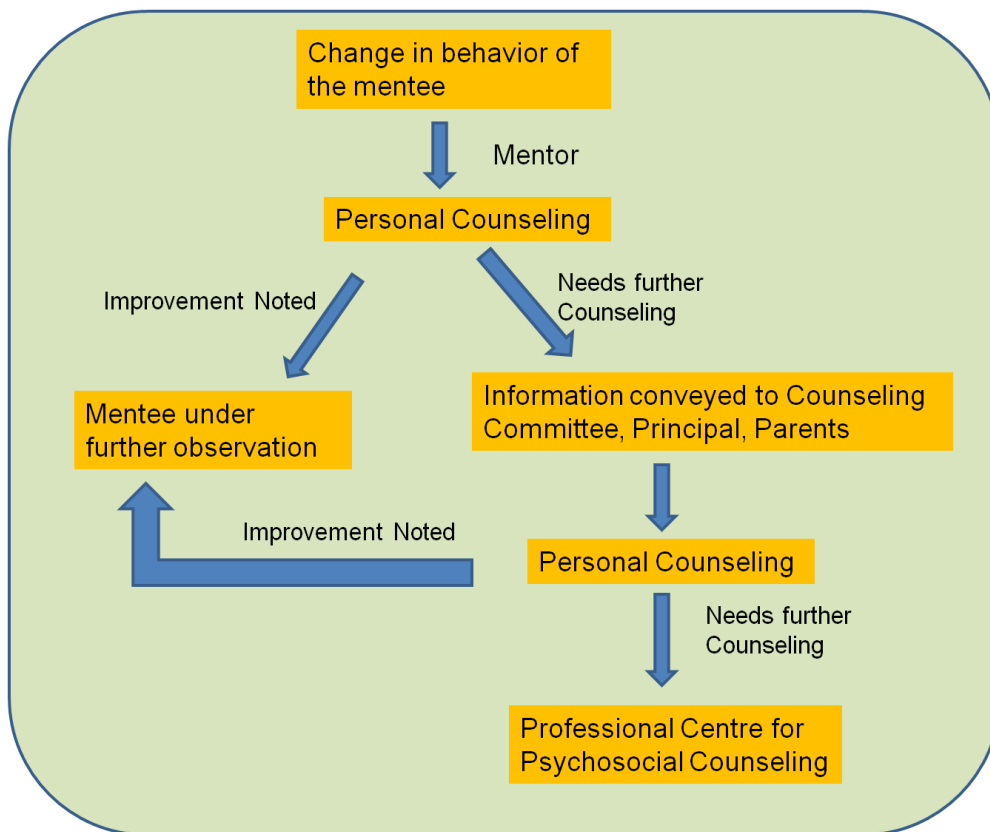
Senior faculty members guide the students throughout the course regarding their future choices. Career guidance seminars are also conducted to discuss the various options available after graduation/post-graduation. Regular CDE programs on career advancement and personality development are also carried out to enable students to make an informed choice. Soft skill development is ensured through experiential learning during clinical postings and community outreach programmes.

The list of CDE programmes conducted for career advancement and personality development during the last 4 years are listed below.

Sl no	Topic	Date
1.	How to prepare and face University Examination by Dr Bharath Chandra	17.04.2009
2.	Stress management in dental practice and Dental Photography in association with IDA.	31.7.2010
3.	Emerging opportunities in clinical research Industry for BDS graduates. By Dr Naveen B S	3.3.2011
4.	Opportunities for Indian Dentists in UK	16.9.2011
5.	Orientation on Clinical research by Manipal Clinical Research Institute	6.6.2012

5.1.4 Does the institution have facilities for psycho social counselling for students?

Yes. Constant interaction between the teachers and students ensures a healthy psychosocial environment in the institution. Additionally, the mentors keep track of the social and mental attitude, and overall behaviour of their mentees apart from their academic performance. Any inconsistency observed is immediately reported and discussed with counselling committee. The mentor/counselling committee informs the HOD and the Head of the Institution and parents. The committee then counsels the student to identify the cause and decides upon the remedial measures. In cases where professional help is required, students are referred to NIMHANS, which has facilities for professional psychosocial counselling.



5.1.5 Does the institution provide assistance to students for obtaining educational loans from banks and other financial institutions?

Yes. The institution does provide assistance to students to obtain educational loans from Vijaya Bank, which conducts ‘loan mela’ in the college premises during admissions. The request by students for loans is promptly addressed and supported by the college.

5.1.6 Does the institution publish its updated prospectus and handbook annually? If yes, what is the main issues/activities/information included/provided to students through these documents? Is there a provision for online access?

The institution publishes its prospectus every year that contains updated information about the profile of the institution, various departments, list of faculty members and their specializations, various programs offered, rules, regulations, eligibility criteria, fees and other support facilities that are available in the college (including computerised library, wi-fi facility, campus hostel and canteen facility).

College prospectus can also be accessed online through the college website (rvdentalcollege.org). This website also provides information about the latest news, events, projects in hand, departments, and courses offered

Annual college magazine (PenDent) is printed and distributed to all the students and faculty every year. Details regarding faculty and student

achievements, new research programs, visits of important dignitaries and their speeches, list of publications of faculty in journals and books, extra curricular activities like sports and cultural events, annual graduation day celebrations, etc are included in the magazine.

5.1.7 Specify the type and number of institution scholarships / freeships given to the students during the last four years. Was financial aid given to them on time? Give details.

Although the college has no provision for scholarship, based on the need and request of the students who cannot afford to pay their tuition fees, the trust has waived fees for several students.

5.1.8 What percentage of students receives financial assistance from state government, central government and other national assistance?

Financial assistance is provided for students entering through government in-service quota. The number of students list is entered below:-

Year	Percentage of Students who have availed benefits (PG)	Percentage of Students who have availed benefits (PG)
2009-10	14.2%	12%
2010-11	19.04 %	2%
2011-12	nil	nil
2012-13	3.4%	2%
2013-14	7%	2%

5.1.9 Does the institution have an International Student Cell to attract foreign students and cater to their needs?

College does not have an international student cell. Nevertheless, several foreign students join the course every year after visiting the college website or following alumni referrals.

5.1.10 What types of support services are available for

❖ **Overseas students:-**

The overseas students are provided with following support services:-

- Orientation programs
- Accommodation
- Medicare
- Mentorship and counselling
- Books facilitating translation into foreign languages (available in library)
- Grievance redressal (by Principal)

❖ **Physically challenged /differently-abled students:-**

Till date, no student who is physically challenged has joined the institution

The following support service is however available

- Ramp at the entrance
- Elevator service
- Wheel chairs

❖ **SC/ST, OBC and economically, weaker sections:-**

The institution provides these students all possible assistance in the form of:-

- Infrastructure - Hostels for accommodation and boarding
- SC/ST fellowship from Government.
- OBC fellowship from Government.
- Library books-Separate book bank available in the library for SC/ST students.

❖ **Students participating in various competitions/conferences in India and abroad:-**

The institution promotes and encourages the participation of students in extra-curricular and recreational activities not only at intra-and inter-institution levels, but also at the national level.

- Students are provided with financial support when they represent the institution at regional and national level
- Attendance is compensated for students participating.
- Internal assessment exams and marks are liberalized.
- The institution give awards, certificates, gold medals, shields, etc, to deserving sports persons to motivate them to achieve excellence in their pursuit of sports

❖ **Health Centre, Health Insurance, etc:-**

The institution provides medical insurance for all the students

❖ **Skill development (spoken English, computer literacy, etc):-**

Majority of the students joining the institution have acceptable spoken English skills and have satisfactory computer literacy. Overseas students with poor proficiency in English language are referred to centres outside the campus for improving language skills.

❖ **Performance enhancement for slow learners:-**

The mentor of the concerned student group in each department will identify suitable measures to improve the performance of slow learners and the same is implemented with the support of the Principal. This information is also discussed in the periodic HOD meeting.

❖ **Exposure of students to other institutions of higher learning/corporates /business houses, etc:-**

- a. The institution invites experts from higher learning institutions and alumni periodically to deliver guest lectures

- b. Post graduate students of some specialties have peripheral postings in other hospitals/institutions. Students from our institution visit the KKCTH (KanchiKamakoti Childs Trust Hospital) in Chennai for a period of 1 month to perform dental procedures and observe general medical procedures in paediatric patients.
- c. PG's are also posted to Bangalore Institute of Oncology, NIMHANS, Sevashetra, St. John's and HCG.
- d. For dissertation/short term research, students visit other institutions/hospitals/research centres

❖ **Publication of student magazines, newsletter:-**

Yes. The college has been publishing a yearly student magazine named PENDENT since 2012. As a part of celebrations related to completion of 20 years of inception of the college, NENAPU Souvenir was released, which included articles/poems/ paintings by students /faculty.

5.1.11 Does the institution provides guidance and / or conduct coaching classes for students appearing for competitive examinations (such as USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS) If yes, what is the outcome?

There is no specific guidance/coaching classes provided for such examinations. Nevertheless, the faculty and alumni do guide the students regarding these examinations whenever sought. The students are encouraged to use the resources available at the library and college campus (such as Wi-Fi internet access) to obtain details about these examinations

5.1.12 Mention the policies of the institution for enhancing student participation in sports and extracurricular activities through strategies/schemes such as,

- **Additional academic support and academic flexibility in examinations**
- **Special dietary requirements, sports uniform and materials**
- **Any other (specify)**

There is an active participation of the students in sports and extracurricular activities. The institution promotes and encourages the participation of students in extracurricular activities at intra and inter college levels. The student welfare committee of the college monitors the participation of student in sports and extracurricular activities both at inter and intra collegiate levels.

The committee organizes sports and cultural events in September, every year. The events culminate on the Graduation day along with college day celebrations. During the annual sports meet, the staff and students are divided into houses and colour-coded T shirts are provided to all the staff and students.

To encourage student participation:

- Financial support is provided for participation in intercollegiate feasts

- Attendance is compensated for students participating in intercollegiate/local/national level sports/cultural competitions.

5.1.13 Does the university have an institutionalized mechanism for students placement? What are the services provided to help students identify job opportunities, prepare themselves for interview, & develop entrepreneurship skills?

- University has no institutionalized mechanism for students placement. It organizes CDE programmes on career advancement by senior experienced practitioners and faculty members from India and abroad. Similarly, college also organizes CDE programmes on career guidance during which inputs related to aspects such as avenues for higher education and practice management are shared by experienced faculty members and alumni from India and abroad.
- College organizes various workshops and hands on courses on recent advances in clinical practices for students and alumni by renowned dentists in their respective field. Counselling regarding different opportunities after graduation is an ongoing process and is done on periodic basis during student teacher interactions.
- Mentorship programmes in the institution provides students an insight into various avenues available following graduation.
- Interactive teaching learning methods through MCQ's, group discussions, power point presentations during UG courses have helped students to perform better in their post-graduation entrance exams, interviews and also helped in developing entrepreneurship skills.

5.1.14 How does the institution provide an enriched academic ambience for advanced learners?

Advanced learners are provided with necessary guidance and mentorship by the faculty. They are encouraged to represent the institution in inter-college competitions, to present papers in various students' conferences and undertake short term research projects and surveys. The faculty also provide latest books in the subject to advanced learners.

5.1.15 What percentage of students drop-out annually? Has any study been conducted to ascertain the reasons & take remedial measures?

- There is negligible student dropout rate (2 in the last 20 years). Hence no studies have been conducted.
- To prevent drop-outs several measures have been taken

- Underperformers are identified and are provided with additional coaching and counselling to help improve their academic performance
- Student-faculty-parent interaction at regular intervals
- Regular monitoring of the academic performance as well as attendance by faculty

5.1.16 Give the number of students selected during campus interviews by different employers (list the employers & the number of companies who visited the campus during the last four years)

- Campus interviews in dental courses are not held.

5.1.17 Does the institution have a registered Alumni Association? If yes, what are its activities & contributions to the development of the institution?

- Yes, the institution has a registered Alumni Association. The alumni meets are held regularly.
- Some of the alumni from abroad and India have contributed generously in terms of their expertise for various academic events on the campus like experience sharing sessions, giving feedback about colleges and courses, providing guest lectures and contributing to infrastructure improvement.
- Alumni association also organizes CDE programmes for the benefit of the students. Social gatherings are also held.

5.1.18 List a few prominent alumni of the institution.

List of prominent alumni of the institution in various academic positions & private practice in abroad

1. Dr.Ram Mohan: DDS,SanFransico
2. Dr.Vishnu Raj ; DDS , USA
3. Dr.Ajay : Speech Pathologist , London ,UK
4. Dr.VarunPratapSingh ; Reader GDC, Nepal.
5. Dr.AkshayJamadagni: MSc , Integrated dental Holdings ,UK
6. Dr.Ruby Ahuja: Edinburgh,UK
7. Dr.SujaVargheese: Scotland ,UK
8. Dr.JayaChaturvedi:Brampton ,Ontario
9. Vaishnavibhaskar: Research intern at Centre for Budget & policy Studies, North Carolina ,USA
10. Dr.Vaibhav Jain: Research Assistant ,Dept Of Preventive & Community health, George Washington University, USA

List of prominent alumni of the institution in various academic positions & private practice in India

1. Dr.Jyothi Gupta: Vice Principal & HOD, Dept of OMRD, Lucknow
2. Dr.KarthikVenkataraghavan: HOD. Dept of Pedodontics
3. Dr.RaviRaj: Reader , Senate member RGUHS
4. Dr.Kiran: Reader, GDC, Bangalore; Senate member RGUHS
5. Dr.Chalapathi: Reader, Kammam Dental College; Office bearer IDA-AP
6. Dr.Demsey: Major, Indian navy
7. Dr.Sonali: Major, Defence Delhi
8. Dr.Nagaranjini: Senior lecturer, GDC, Bangalore
9. Dr.Seema: Reader, GDC, Bangalore
10. Dr.Arun : GovtService,PHC, Mandya
11. Dr. Rajesh Reddy: Reader, GDC, Kadapa

List of prominent alumni of the institution in various academic positions in institution

1. Dr.Harikirian - HOD ,Dept Of Community
2. Dr. Suma - Reader, Dept Of Oral pathology
3. Dr. Deepak - Reader, Dept Of Oral Surgery
4. Dr.SeemaPatil - Reader, Dept Of Oral Medicine
5. Dr.Subash - Reader, Dept Of Oral Medicine
6. Dr.Arvind - Reader Lecturer, Dept Of Oral Surgery
7. Dr.Revan Joshi - Senior Lecturer, Dept Of Oral Medicine
8. Dr.Sudher - Senior Lecturer, Dept Of Pedodontics
9. Dr.Ramanna - Lecturer, Dept of Prosthodontics
10. Dr.Sarmila - Senior Lecturer, Dept of Prosthodontics
11. Dr.Archana - Senior Lecturer, Dept of Prosthodontics
12. Dr.Premnath - Senior Lecturer, Dept of Prosthodontics
13. Dr.Sindhu - Senior Lecturer, Dept of Conservative & Endodontics
14. Dr.Sheela - Senior Lecturer, Dept of Conservative & Endodontics
15. Dr.Ramya - Senior Lecturer, Dept Of Pedodontics

5.1 19 In what ways does the institution respond to alumni requirements?

- Alumni are given an opportunity to use the library facilities of the college
- Advanced practical /clinical training facility extended to alumni students as and when required Eg. Preparation for International Licensing examination.
- Provides support service to organize meetings.

5.1.20 Does the institution have a student grievance redressal cell? Give details of the nature of grievances reported. How were they redressed?

The institution has the following cells / committees where the student grievances are considered and remedial measures taken by the committee members.

- UG & PG Students welfare Committee
- Anti-Ragging committee
- Hostel committee

The common grievance reported so far was regarding the quality of food in the hostel canteen. This has been sorted out by the hostel committee along with the warden, mess incharge and the Principal.

5.1.21 Does the institution promote a gender-sensitive environment by (i)conducting gender related programs (ii) establishing a cell & mechanism to deal with issues related to sexual harassment? Give details

Yes. Prevention of sexual harassment cell at the institute is constituted based on the guidelines formed by Supreme Court of India. There have been no incidents of sexual harassment in the institute since its inception. The committee meets regularly to monitor the activities of the cell.

5.1.22. Is there an anti- ragging committee? How many instances, if any, have been reported during the last four years & what action has been taken in these cases?

Yes. Anti-ragging committee has been set up as per DCI regulations. No ragging incidents have been reported during the last four years.

Annexure attached

5.1.23 How does the institution elicit the cooperation of all its stakeholders to ensure the overall development of its students?

The institution periodically interacts with all its stakeholders as a part of continuous improvement programme. Meeting with parents, well-wishers and informal conversation with public on many occasions (both in-campus and off-campus) has enabled gathering of their ideas and suggestions for enhancing the quality of education in the institution and overall performance. Written documents such as visitors' diary and feedback questionnaire are the formal methods adopted by the institution for seeking the stakeholders' perception about the institutional practices.

5.1 24 How does the institution ensure the participation of women students in intra & inter-institutional sports competitions & cultural

activities? Provide details of sports & cultural activities where such efforts were made.

- Women students are equally encouraged to actively take part in intra & inter-institutional sports competitions and cultural activities
- A faculty/staff is assigned to accompany them during inter-institutional events to ensure safety of women students
- The institution supports women students participating in intra and inter-institutional sports competitions and cultural activities by providing financial assistance for registration. They are also provided financial support for travel, for hiring costumes and other sports equipment.
- Winners in the competitions are provided cash prizes and are also congratulated during annual functions.

5.1.25 Does the institution enhance the student learning experience by providing for rotation from the teaching hospital to the community & district hospital during the internship period?

The institution enhances the student learning experience by providing for rotation from the teaching hospital to the community and govt /privately owned hospitals during the internship period.

During the internship students are regularly taken to community outreach programmes where dental check-up and treatment are carried out for school children and adult patients at villages. Such community outreach programmes are conducted in and around Bangalore, Hosur and Thirunelveli, regularly.

Interns, PG students from Dept. of Oral medicine, Oral Surgery, and Periodontics are posted regularly at the satellite centres located at KSRTC hospital in Jaynagar, Sevakshetra hospital at Banashankari, and primary health centre at Sriramanahalli.

PG students are posted to KKCTH, an exclusive paediatric centre at Chennai, for a month where they get trained in a variety of paediatric procedures. They also have peripheral posting at NIMHANS, BIO, and St John's.

5.1 26 Does the institution has immunization policy for its students & staff?

- The institution does not have an immunization policy. Nevertheless, Hepatitis vaccination is made compulsory for IIIrd and IVth BDS students.

5.1 27 Does the institution give thrust on students growth in terms of

- **Physical development:**
 - Facilities for indoor and outdoor games are provided within the campus premises
 - Students are encouraged to actively participate in intra-college /intercollege sports events
 - Gym facility is provided through an MOU with Snap Fit JP Nagar branch. The College has a tie up with Snap Fit Gym where 50% concession in the fees is given to students, staff and alumni in its 24 branches throughout Bangalore
 - Yoga centre in the campus facilitates for holistic physical development of the students
- **Emotional control:**
 - Yoga classes are conducted regularly within the college premises for improvement in physical, emotional as well as psychological health
 - Mentoring of students by the mentor in charge on a regular basis for understanding and counselling students with emotional issues.
 - Student counsellor available in the Behaviour Cell to ensure better emotional health of the students.
- **Social dimension:**
 - Interaction with students of other colleges are encouraged through organisation of CDE programmes, workshops and hands on courses
 - Outstation excursions are organized for students annually
 - Short trips are also organised for teaching and non-teaching staff periodically
 - Alumni meets are held on regular basis to encourage interaction of the students.
- **Spiritual growth:**
 - Yoga centre present within campus conducts classes for students on daily basis for improving physical as well as spiritual growth.

5.2 Student Progression

5.2.1 What is the student strength of the institution for the current academic year? Analyze the Program-wise data and provide the trends (UG to PG, PG to Further studies) for the last four years.

Student strength of the University for the Current Academic Year (2013-2014)

Institution	UG	PG	PG DIPLOMA	CERTIFIC ATE-Course	Ph.D.	IGNOU course in implant logy	TOTAL
D.A.P.M.R.V.D.C	347	79	8	8	7	8	457

Student progression:

Year	UG to PG (%)	PG to further studies	PG to Ph.D.	Ph.D. to post-doctoral	Employed: Campus selection; Other than Campus recruitment
2009-10	13 (21%)	Nil	1	Nil	Not Applicable
2010-11	15 (25%)				
2011-12	27 (45%)				
2012-13	17 (28%)				
2013-14	3 (6%)				

5.2.2 What is the number and percentage of students who appeared/qualified in Examinations for Central / State services, Defense, Civil Services, etc.?

From inception

- 6 have joined Defence services
- 5 has joined Government service

5.2.3 Provide category-wise details regarding the number of post graduate Dissertations, Ph.D. and D.Sc. theses submitted/ accepted/ rejected in the last four years.

Submitted	Accepted	Resubmitted	Rejected
PHD - 7			

Accepted

Year	OMRD	OS	PROSTHO	PERIO	ENDO	PAEDO	ORTHO
2009	02	02	03	02	04	02	03
2010	02	02	03	02	04	02	03
2011	02	02	03	02	04	02	03
2012	02	02	03	02	04	02	03
2013	02	02	03	02	04	03	05

5.2.4 What is the percentage of graduates under AYUSH programs employed in the following?

*** AYUSH departments/Hospitals, * Multinational companies, * Health clubs, * Spas,* Yoga wellness centers,* Yoga studios,* Health clubs,* Own Yoga cubes/studios?**

Not Applicable

5.3 Student Participation and Activities

Students participate in sports and cultural events at inter college, inter university, and state level sports competition besides in - house events. Some of the events in which students actively take part include:

- BMC Inter collegiate competition
- Inter college cricket completion held by IDA and other bodies
- National and state levels programmes held at Rajiv Gandhi University of Health sciences
- College cultural and sports events.
- CDE programmes and workshops conducted in our college and other colleges.
- National and International Conferences and Conventions.

Students and staff actively took part in the inter college cultural and scientific program conducted to commemorate the 20th year celebration of DAPM R V dental college during 2011- 2012.

5.3.1 List the range of sports, cultural and extracurricular activities available to Students. Furnish the program calendar and provide details of student participation.

Some of the sports, cultural and extracurricular events participated by the students and the achievements/awards won are as follows:

Cultural and sports events

- College cultural and sports fest conducted every year
- Inter college cultural and sports competition
- Inter university cultural and sports competition
- District and state level cultural and sports competition

Extracurricular activities

- Regular medical and dental camps
- School health programmes
- Health awareness programmes including rallies and walks on important days
- Blood donation camps
- NSS activities

Calendar of events for sports and cultural for the current year attached

Student welfare committee constituted in 2011 organizes sports and cultural activities in the institution in the month of September every year. All students, teaching and non-teaching staff participate in the events.

Events generally organized include

1. Cultural events such as dance (solo and group), cooking without fire, mehendi, dentoon designing, tattoo designing, poster making, vegetable carving, rangoli, wax carving, flower arrangement, best out of waste.
2. Sports events such as badminton, carom, cricket, table tennis, throw ball, long jump, 100mts and 400mts, obstacle race, 400mts relay, FIFA and counter strike, volley ball, marble and spoon, 3 legged race, sack race, shotput, kabadi, chess, football.

5.3.2 Give details of the achievements of students in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National/ International, etc. during the last four years.

The achievements of students in co-curricular, extra-curricular and cultural activities at inter-college, inter university, and state level sports competitions are attached as an annexure.

5.3.3 Does the institution provide incentives for students who participate in National / regional levels in sports and cultural events?

Yes, we have a budget for sports and cultural events. Students are provided sponsorship for participating in any national, state level, inter college and inter university sports and cultural events. The registration charges, to and fro travel are sponsored by the college. Participants who have won prizes are also given a cash reward.

Also, special recognition is given to all the students who have excelled in academic, sports and cultural events, during the Annual meet held on January 26th every year.

5.3.4 How does the institution involve and encourage its students to publish materials like catalogues, wall magazines, college magazine, and other material? List the major publications/ materials brought out by the students during the last four academic sessions.

Students are involved in the publication of college magazine 'PENDENT,' which is published biannually. The editorial board of Pendent includes faculty and students. Students are also encouraged to publish articles in Souvenirs.

Students are encouraged to publish articles online (journal and magazines) and wall magazines. Students also publish their short term studies, rare case reports and their dissertations in national and international journals.

A total of 79 articles submitted by our PG students to national and international journals have been published.

5.3.5 Does the institution have a Student Council or any other similar body? Give details on its constitution, activities and funding.

The institution does not have a student council but has committees to which students are nominated. Students are actively involved in all the committee activities.

5.3.6 Give details of various academic and administrative bodies that have student Representatives in them. Also provide details of their activities. Any other information regarding Student Support and Progression which the institution would like to include. Any other information regarding student support and progression which the university would like to include

Student representatives are included in the sports and cultural committee wherein they are involved in planning and organisation of sports and cultural events every year.

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the institution

The vision of our institution is:

Single window delivery of total oral healthcare needs

Total quality management in service and education

Unique work culture in alleviating human oral sufferings

To train general, specialized and allied professional personnel to meet regional and national oral health care knowledge and skills

Be efficient, effective, community acceptable and excel in service, education and research

To impart knowledge and interact with organizations of similar interest

Fostering global competencies, inculcating value system among learners

Promote use of technology of relevance

To induce paradigm shift in community that many oral diseases are preventable, curable and treatment is affordable

Reach the unreachable with awareness, education and service

Serve the underserved.

To summarize our vision: Impart quality Dental education that will imbibe confidence, commitment, conviction, courtesy and courage in students and provide them with values, knowledge and skills to treat dental diseases.

The mission of our institution is:

Learner centered dental education

Patient centered service

Community oriented research

Strong community relationship

Serve the under served

Meet the regional, national and global dental educational needs

Inter organizational linkage

Strategic future oriented planning to gain excellence in knowledge, skills, service and professionalism in management.

Open and transparent organizational climate

To summarize our mission: To become an institute of excellence in Dental education and to bring out quality Dental practitioners who will be an asset to the society.

6.1.2 Does the mission statement define the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, the institution's tradition and value orientations, its vision for the future, etc.?

RashtreeyaShikshanaSamiti Trust (RSST) has been contributing towards the excellence of the society through its numerous educational institutions since 1940. The RSST which strongly believes in its motto "Excellence in Education and Service to Humanity" is now one of the oldest educational trusts in Karnataka managing 25 institutions including the D.A.P.M.R.V Dental College. The mission statement of our institution reflects the commitment of the institution and the RSST towards students and the community/society as a whole. Through the mission the institution defines a learner centred dental education system and quality patient service with community oriented research and relationship for the betterment of the community.

6.1.3 How is the leadership involved in

- **Developing E-Governance strategies for the institution?**
- **Ensuring the organization's management system development, implementation and continuous improvement?**
- **Interacting with its stakeholders?**
- **Identifying organizational needs and striving to fulfill them?**

Developing E-Governance strategies for the institution:

The management committee along with administrative body of the institution are committed towards adapting newer technologies for improving the quality of education being imparted to the students along with treatments being offered to the patients. Digitisation of administrative works is the key priority of the committee and several steps have been taken to adopt e-governance in the institution. Desktop computers and laptops along with scanners and printers have been installed in all departments; students are being taught using modern technology such as smart class; electronic storage of patient data is being practiced. The leadership will continue its efforts in making the administrative process as transparent as possible with the use of e-governance strategies.

Ensuring the organization's management system development, implementation and continuous improvement?

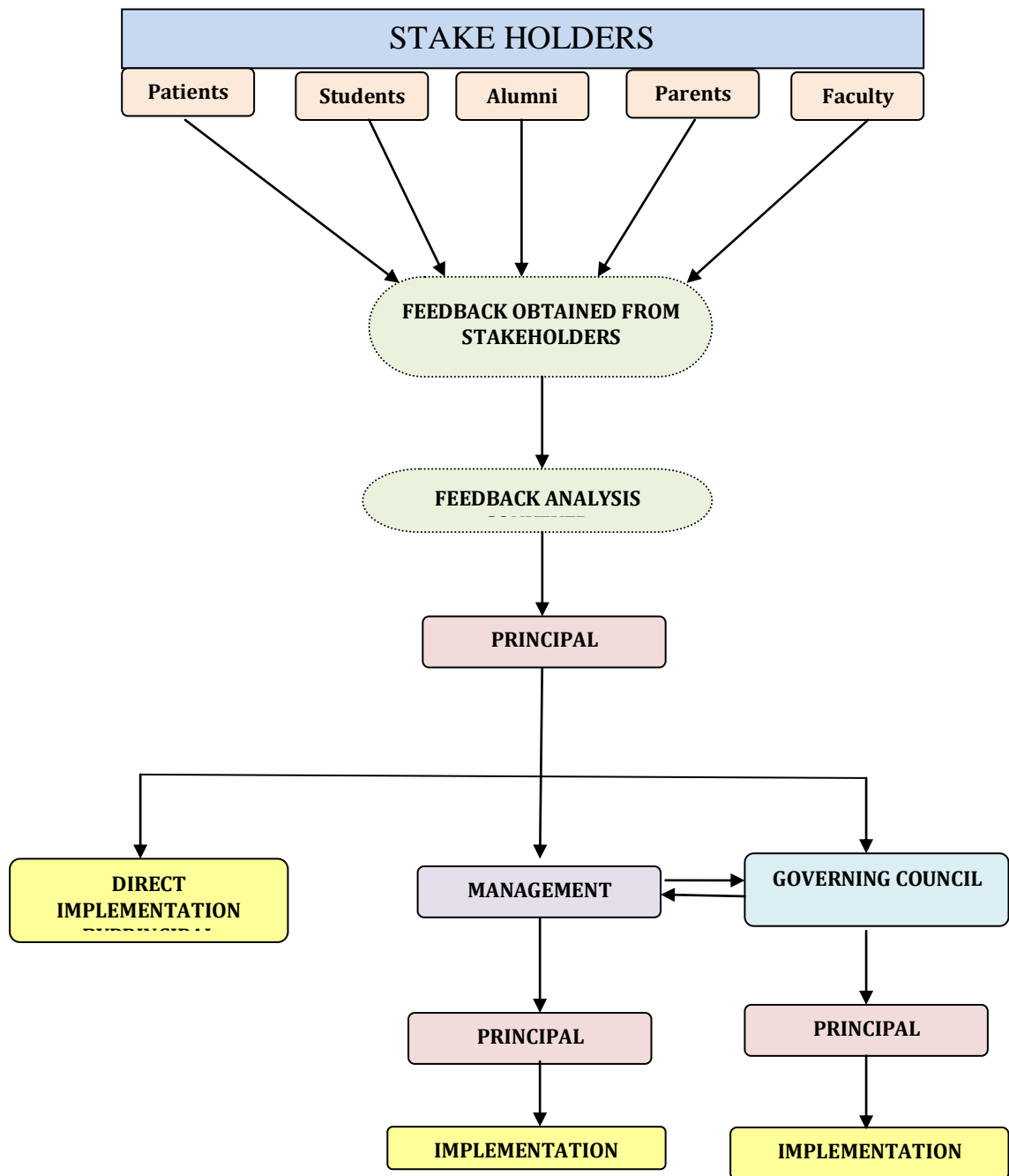
The Institution believes in participative management with decentralized administration to groom leadership at all levels. The governing council of the institution comprising trustees, principal, external members and two faculty members on rotation, meet to oversee and guide the policy decisions of the institution. The principal is ably assisted by the members of the faculty. Various administrative committees monitor day to day activities of the institution.

Interacting with its stakeholders:

The principal organizes and puts forth all the major budgeting needs and administrative matters to the governing council and facilitates the approval to fulfill the same.

Feedback obtained from various stake holders is analyzed and necessary measures are initiated whenever required.

Flow Chart for Institution - stake holder interaction:



Identifying organizational needs and striving to fulfil them?

There is a well-structured system to obtain feedback from the stake holders of the institution (patients, students, parents, staff, alumni). The analyses of this feedback forms the basis for formulating strategies for identifying organizational needs and fulfil them.

6.1.4 Were any of the top leadership positions of the institution vacant for more than a year? If so, state the reasons.

NO.

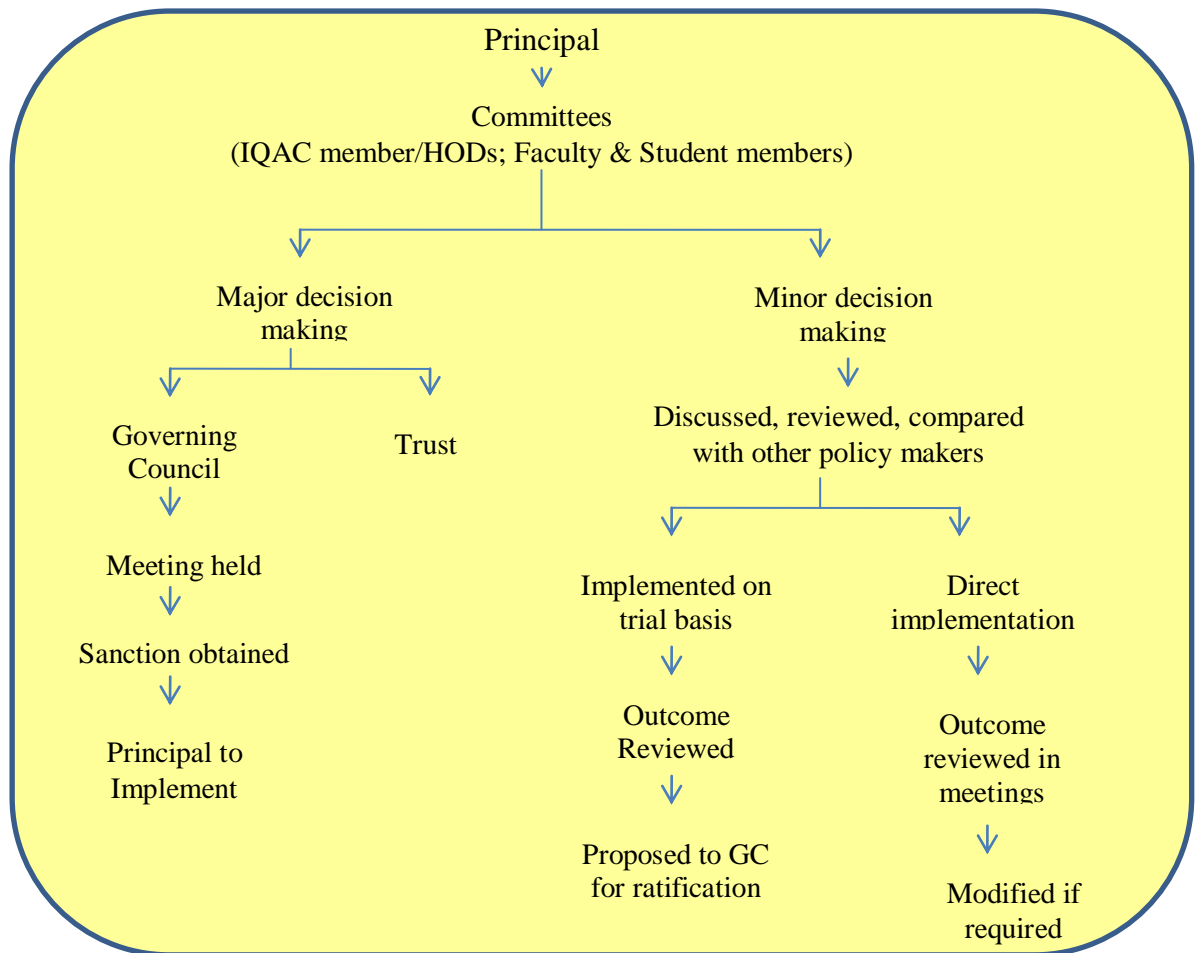
6.1.5 Does the institution ensure that all positions in its various statutory bodies are filled and meetings conducted regularly?

The governing council membership is on rotation for three years.

The positions in various statutory bodies are filled as when the need arises and meetings of the statutory bodies are held regularly.

**6.1.6 Does the institution promote a culture of participative management?
If yes, indicate the levels of participative management.**

The institution promotes the culture of participative management at all levels (from the governing council with two faculty members on rotation to having student representatives in administrative committees). Management tree of certain key aspects has been elaborated in the image below.



6.1.7 Give details of the academic and administrative leadership provided by the university to its affiliated colleges/constituent units and the support and encouragement given to them to become autonomous

NOT APPLICABLE as D.A.P.M.R.V dental college is affiliated to the RGUHS

6.1.8 Have any provisions been incorporated/introduced in the University Act and Statutes to provide for conferment of degrees by autonomous colleges?

NOT APPLICABLE.

6.1.9 How does the institution groom leadership at various levels? Give details.

Student level: Students are an integral part of various committees which formulate and bring into practice various academic and welfare programs in the institution. Student representatives are actively involved in various sports and cultural activities held in the institution and inter collegiate programs.

Faculty level: The institution believes in decentralization of administration for efficient management. Committees like PG studies committee, UG studies committee, Scientific and Research committee, cultural and physical education committee and student welfare committee are headed by the faculty and is well represented by a mixture of junior and senior faculty members.

Administrative level: Administrative office is headed by the Superintendent under the guidance of the Principal and various sections are formed to address the needs of the institution; namely Accounts section, Administrative section, Examination section, Stores etc.

Library: The chief librarian is assisted by an assistant librarian, who oversees all the important library requirements of the institution.

6.1.10. Has the institution evolved a knowledge management strategy which encompasses the following aspects such as access to

- **Information Technology:** The institution believes in digitisation of teaching and patient information management and has taken several steps to integrate information technology. The campus is Wi-Fi enabled and all departments have desktop computers and laptops with LAN network. Patient management software has been procured and will soon be used to record, store and share patient data.
- **National Knowledge Network:** Not linked
- **Other open access resources along with effective intranet facilities with unrestricted access to learners.**

If yes, give details.

- All the departments have LAN network and are interconnected for sharing of patient data to facilitate faster case disposal and better interdepartmental coordination
- Wi-Fi access to all the students and the staff

- Student management software and automation software in the library
- HELINET access number provided to all the staff, UG/PG students
- Membership cards to British Library made available for the benefit of staff and students
- A well maintained Website with academic data, administrative and departmental data
- ICT enabled class rooms with Wi-Fi facility

6.1.11. How are the following values reflected in the functioning of the institution?

- **Contribution to national development**
- **Fostering global competencies among students**
- **Inculcating a sound value system among students**
- **Promoting use of technology**
- **Quest for excellence**
-

To impart quality dental education with confidence, commitment and courtesy with knowledge and values, the institution strives to enhance dental excellence through the following values:

- **Contribution to National Development:**
 - The institution has produced 1100 dental surgeons and 150 post graduates in various specialities over the years.
 - The social commitment of the institution is reflected in terms of the school, community, rural dental screening and dental treatment camps conducted regularly.
 - The institution has adopted Sriramanahalli village and has set up a rural Dental Centre.
 - The institution boasts of 50% or more women both in teaching and non-teaching faculty.
 - In the last 4 years, the faculty and the students of the institution have contributed to the knowledge capital: as members of editorial board at National, International and University levels, through scientific presentations and publications, minor and major research projects and as authors in textbooks.
 - The college celebrates all the national festivals which sensitize students to national integration. A week long cultural program is conducted in the institution every year to encourage and promote the student's talents. They are also encouraged to attend cultural fests conducted at other institutions.

- Rotary activities like diabetes detection and management camp, cardiac care camp and walkathons for health, which are related to health care services are hosted and conducted by our institution.
 - The institution has conducted a lot of public interactive sessions through camps, oral health care programmes, school dental health programmes where the faculty interact with school students, parents, teachers, auto drivers to create awareness on oral health care, HIV – AIDS, oral cancer. Since 2009, 25,120 patients in 98 camps have been screened under school oral health programme and 30,651 patients were screened in satellite centres and community outreach programmes.
 - The faculty of the institution have been involved in the formulations of the policy decisions of the university in their capacities of being members of the faculty of dentistry and board of studies (UG/PG) at Rajiv Gandhi University of Health Sciences, and at Siddhartha University.
 - Our faculty have also contributed as administrative and policy making authorities for International associations like International Congress of Oral Implantology serving in the Cadre of Ambassador, representing India.
- **Fostering global competencies among students:**
 - The institution is offering quality programs like BDS, MDS, PG Diploma, Ph D, Certificate courses in Aesthetic Dentistry and Implantology, IGNOU courses in Implantology enabling students to be at par with other students globally.
 - For improving communication competence, students are guided and encouraged to present papers and posters in State, National and International Conferences.
 - Advanced techniques like lingual orthodontics, implants, lasers, microvascular surgery, exposure to radiotherapy, exposure to techniques of chemotherapy, latest radiographic techniques are taught to meet the global standards and competence.
- **Inculcating a sound value system among students:**
 - The institution provides appropriate learning opportunities to live in peace and harmony in the midst of pluralities. The institution has students from all over the country and abroad who come from different background and no discrimination is made based on their caste, creed or ethnicity.

- Students are encouraged to understand the social, cultural, economic and environmental realities, while supporting all faiths. This helps in personal integrity and character building.
- The institution creates an environment to develop a sound work ethics through self-discipline.
- The institution has become a landmark in the surrounding area and has a bus stop and the road leading to the college is named after D.A.Pandu, founder secretary of our institution.
- The institution believes in holistic approach to the overall personality development of an individual and takes measures such as conducting yoga classes in this regard.
- **Promoting use of technology:**
 - Dedicated institutional website
 - Four ICT enabled classrooms have been commissioned within the campus.
 - Use of smart boards for teaching learning process.
 - Student information system.
 - Free WiFi access to staff and students. WiFi introduced in 2011, with a speed of 512 Kbps. In 2013, 2 modems were installed with a speed of 8 Mbps.
 - Students are provided with access number for referral of e- journals and text books in the HELINET consortium.
 - Library automation software helps in easy identification of books.
 - Students are exposed to the use of patient management softwares.
 - Post graduate students are exposed for utilization of state of the art diagnosing and treatment planning software.
 - Many undergraduate students have pubmed account to promote e-learning.
 - Webinars are regularly conducted.
- **Quest for excellence:**

The quest for excellence is an ongoing process and is ensured through the following practices

 - Use of information technology to boost the institution's excellence through research, publications, and presentations both at National and International levels.
 - Overall personality development along with academic excellence is encouraged.

- Organisation of CDE programmes along with ‘Hands-on’ courses in the latest approaches and deputation of faculty to foreign universities for fellowship
- Promotion of holistic training in terms of theory, clinical and managerial skills to groom the students as global health care professionals.

6.1.12 Has the institution been indicted/given any adverse reports by National Regulatory bodies? If so, provide details.

No.

6.1.13 What are the projected budgetary provisions towards teaching, health care services, research, faculty development, etc?

STATEMENT OF BUDGET FOR FOUR YEARS

DAPM RVDC

Sl. No	Particulars	2009-10		2010-11		2011-12		2012-13	
		Budget allotted	Expenditure incurred	Budget allotted	Expenditure incurred	Budget allotted	Expenditure incurred	Budget allotted	Expenditure incurred
1	Teaching	46,900,000	48,541,127	51,500,000	55,227,873	60,575,000	62,488,803	70,375,000	70,495,985
2	Health care	13,475,000	13,306,988	12,275,000	10,891,595	14,120,000	14,050,001	30,707,000	45,408,967
3	Research	2,545,000	1,749,959	1,650,000	702,779	795,000	1,210,081	850,000	645,428
4	Faculty development	1,750,000	1,325,775	1,850,000	2,145,067	1,900,000	2,752,049	2,100,000	2,307,252

6.2 Strategy Development and Deployment

6.2.1 Does the university have a perspective plan for development? If yes, what aspects are considered in the development of policies and strategies?

- Vision and mission
- Teaching and learning
- Research and development
- Community engagement/outreach activities

- **Human resource planning and development**
- **Industry interaction**
- **Internationalization**

Not applicable.

The institution is affiliated to Rajiv Gandhi University of Health Sciences. However the institution has a perspective plan for development. The core issues remain the same and are well defined in the vision and mission.

Vision and mission

Vision: Impart quality dental education that will imbibe confidence, commitment, conviction, courtesy and courage in students and provide them with values, knowledge and skills to treat dental diseases.

Mission: To become an institute of excellence in dental education and to bring out quality dental practitioners who will be an asset to the society.

Teaching & Learning:

- To continue the process of analyzing the existing teaching learning methodology through feedback from students and alumni and introduce innovative teaching methods as and when required.
- To continue the existing e-learning strategies and design more programs to bring out graduates of global competence.

Research and Development:

- To provide incentives like travel grants to the faculty to encourage paper publications, presentations and to attend conferences.
- To increase the number of research projects funded by major agencies.
- To encourage faculty to enroll themselves in PhD programs.

Community engagement/ outreach activities:

- Setting up a fully equipped multispecialty General Hospital in the campus (construction in progress), which provides access to treatment in all the specialties (general and dental) for all the strata of the society.
- Extending our services on priority basis for the entire faculty and their families of all institutions under RSST trust at a subsidized rate. This project is planned by enlisting all the members of RSST and issuing a smart card.
- To increase the number of satellite and outreach programs and adopt more villages, government schools in the vicinity.

Human resource planning and development:

The institution's low attrition rate is a testimony for the good working atmosphere. The institution plans to further empower the staff and cater to their academic and clinical/research needs.

The faculty are encouraged to actively participate in RSST, RV welfare association and avail the benefits of the RV trust.

Industry interaction:

To have more interaction and tie ups with industries in terms of research perspectives.

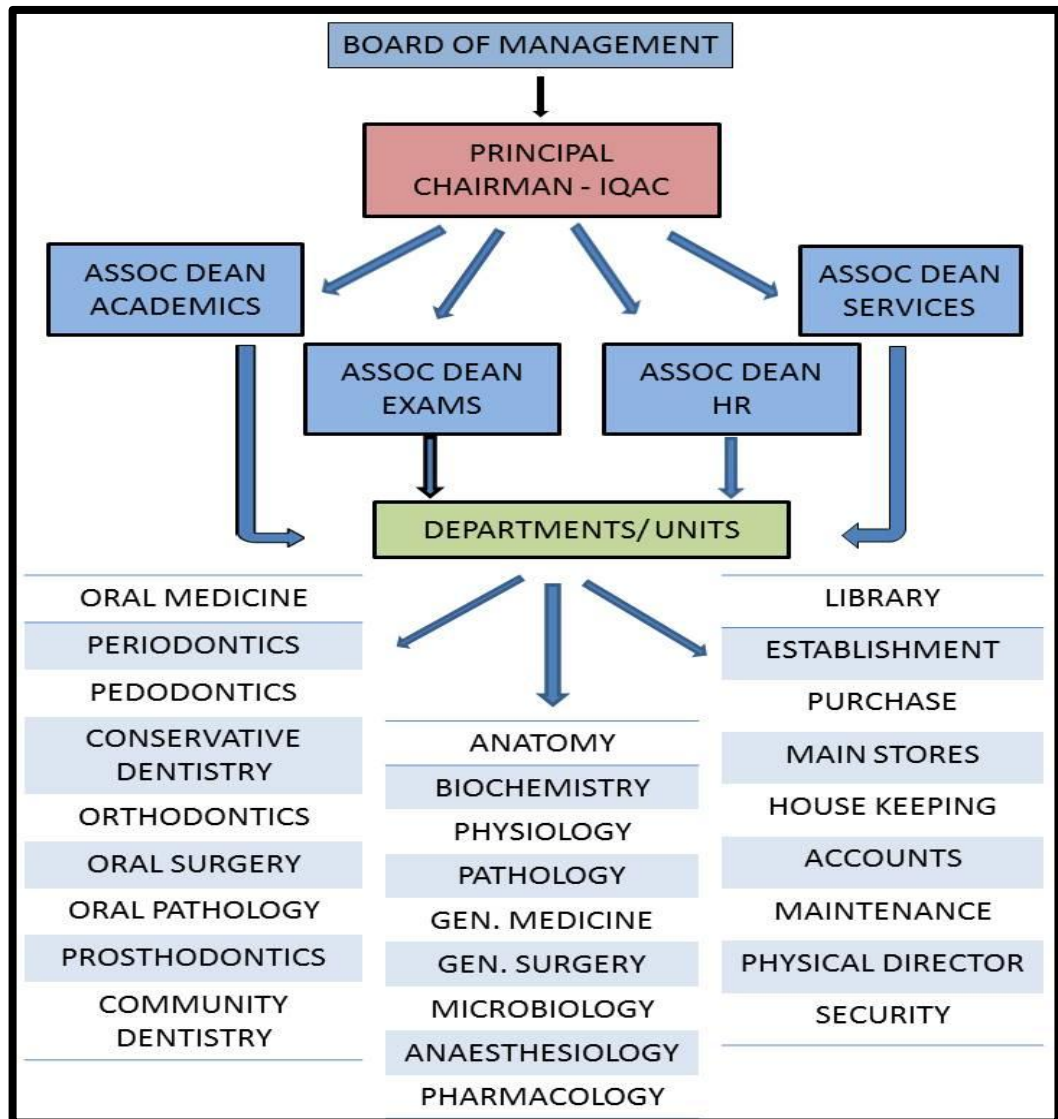
Internationalization:

- Organizing frequent webinars in various dental specialties in collaboration with reputed International dental schools, organizations and industries.
- To formalize faculty / student exchange program with foreign universities.
- To increase the number of CDE/hands on course conducted by faculty from abroad.

6.2.2 Describe the institution's internal organizational structure (preferably through an organogram) and decision making processes and their effectiveness.

- **Is there a system for auditing health care quality and patient safety? If yes, describe.**
- **How often are these review meetings held with the administrative staff?**

INSTITUTION'S INTERNAL ORGANIZATIONAL STRUCTURE:



Yes, we have an established a system of health care quality and patient safety by the following methods:

- The institution follows a sterilization policy which is modified according to the departmental needs.
- Patient feedback forms for retrospection of the services being provided
- Sterilization survey maintained by Department of Microbiology
- Survey by Public Health Department on patient evaluation
- Biomedical waste and segregation as per the protocols and disposed by authorized agency Messrs. Mardi and Co, Bangalore.
- The institution complies with the standards of Karnataka State Pollution control Board and an annual renewal done for the same.

6.2.3 Does the institution conduct regular meetings of its various authorities and statutory bodies? Provide details.

The institution conducts regular meetings of its various authorities and statutory bodies.

Twenty five to Thirty meetings in a year are conducted which comprises

- Governing council meetings - 2 times in a year
- HOD meetings - 6 times in a year.
- IQAC meeting - 4 times in a year
- PG committee meeting - 4 times a year.
- UG committee meeting to formulate time tables, postings - around 8 times in a year
- Student welfare committee meetings - 2 times in year
- Anti-ragging committee meetings - 2 times in a year
- Women's welfare meeting - once in a year
- Hostel wardens meeting - 2 times in a year

6.2.4 Does the institution have a formal policy to ensure quality? How is it designed, driven, deployed and reviewed?

The institution has a formal policy to ensure quality.

All the institutions under the umbrella of the trust, have a definite quality driven policy. The trust has time and again modified the policy to suit the requirements of the dental college. The present one is a synthesized policy after various modifications and review. The institution also strictly adheres to policy matters of Rajiv Gandhi University of Health Sciences and Dental Council of India.

6.2.5 Does the institution encourage its academic departments to function independently and autonomously and how does it ensure accountability?

Yes, The institution has a decentralized administrative system and all the heads of the dental departments are directly involved in formulation of institutional policies. All the departments function independently and in tandem with each other.

Accountability is ensured by Heads of the department and Principal and management of the institution. The Principal conducts meetings periodically with all the heads of the department to ensure that the academic, research, and clinical programmes are implemented in their respective departments and the equipments and materials procured are used optimally.

6.2.6 During the last four years, have there been any instances of court cases filed by and /or against the institution? What were the critical issues and verdicts of the courts on these issues?

NO

6.2.7 How does the institution ensure that grievances/complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder-relationship?

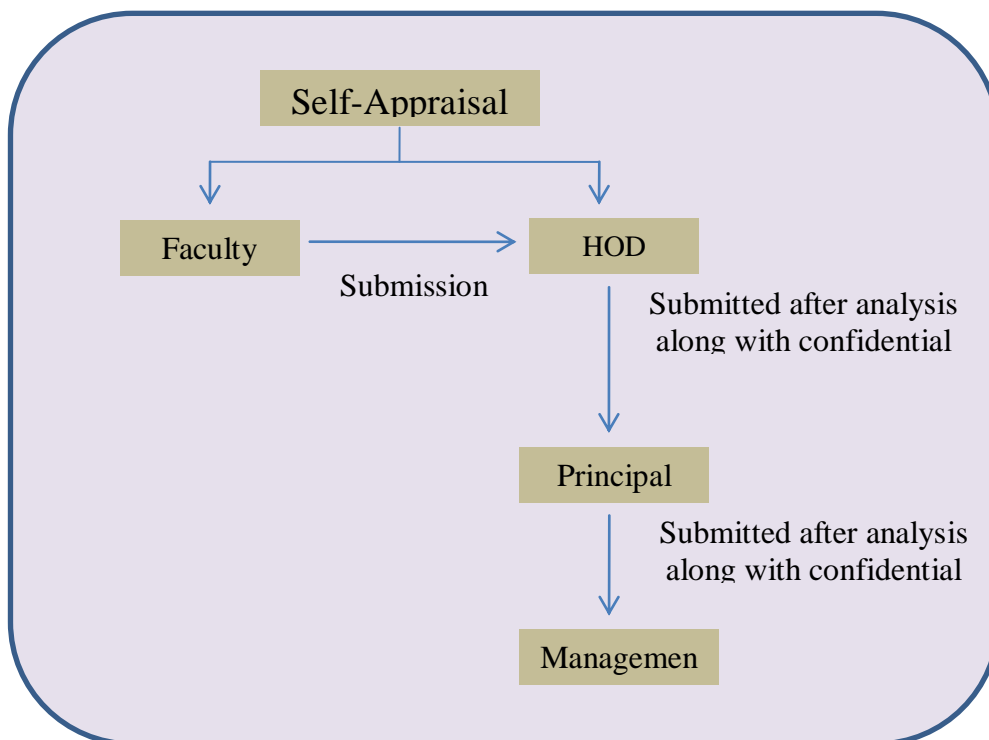
- There are various committees like Student's welfare committee, anti-ragging committee, women welfare committee, Hostel committee, grievance redressal cell and counselling committee to address and resolve any grievances/complaints.
- Enquiry committees are constituted for further probe/resolution whenever necessary.
- Feedback form from the patients and students are scrutinized regularly and steps are taken to resolve any issues reported.

6.2.8 Does the institution have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response

Yes. Feedback is obtained from students on a regular basis and necessary action is taken to address any issues and also implement the suggestions.

6.2.9 Does the institution conduct performance audit of the various departments?

Yes. Self-appraisal forms are provided to the department faculty which are assessed and validated by the Heads of the department. A report regarding the same is submitted to the Principal for evaluation. Principal also evaluates the self-appraisal forms of the HODs and submits a report to the management for further needful action.



6.2.10 What mechanisms have been evolved by the institution to identify the developmental needs of its affiliated/constituent institutions?

NOT APPLICABLE

6.2.11 Does the institution and hospital have their own updated websites? If so, is the information regarding faculty and their areas of specialization, days of availability, timings, consultation charges available on the website?

The College and Hospital has an updated website mentioning the various functional departments with their timings and availability. The following is available on the website:

- Details about courses offered by the college and the list of faculty with their designation, qualification and years of experience
- Downloadable admission forms for various courses (BDS , MDS, Diploma & Certificate Program
- Check list of original documents required for BDS;MDS, PG DIP, Certificate Courses
- Updated information on projects and events in the institution
- Live feed of the latest news
- FAQ's related to admissions
- Contact details of the institution and its faculty

6.2.12 What are the feedback mechanisms and documentations to evaluate the outcomes of these exercises?

Feedback mechanisms:

- Patient feedback forms, suggestion books provided in all the departments.
- Students feedback from Ist year BDS to Internees on the overall education.
- Parent Teacher Meeting to understand the parents' concerns on their wards performance and the quality of education imparted.
- Alumni feedback inputs from former students for understanding improvements and shortcomings in education.
- Staff performance audit: the Heads of the departments critically evaluate the performance of their respective staff based on several criteria like punctuality, teaching, and student development.

Documentations:

- Out patients and procedural (Special cases) statistics are periodically reviewed and any shortcomings are analysed and attended to.

6.3 Faculty Empowerment Strategies

6.3.1 What efforts have been made to enhance the professional development of teaching and non-teaching staff? What is the impact of continuing Professional Development Programs in enhancing the competencies of the University faculty?

- To enhance the professional development of the teaching faculty the institution encourages the faculty to attend TOT (Training of Trainers) programs, Hands-on programs, workshops, and CDE programs related to their specialty. They are also encouraged and motivated with financial assistance to present/publish papers and posters.
- Non-teaching faculty members are also encouraged to undergo training to upgrade their skills.
- The institution also allocates budget for conducting the CDE programs; 44 CDE programs have been conducted till date
- Faculty members are deputed to other colleges, universities and are also sent for fellowship to foreign universities. Awards are given to faculty members who have obtained additional qualifications during their tenure.

These measures have resulted in improved educational standards at the institution along with an excellent retention rate.

6.3.2 What is the outcome of the review of various appraisal methods used by the Institution? List the important decisions

A well-structured appraisal system instituted by the management is in place and has resulted in many important changes. Some of these include:

- Improvement in infrastructure and teaching learning methods
- Promotion of staff based on their performance & appraisal.
- Time bound salary increments
- All staff with adequate qualifications and experience are given an opportunity to be examiners and postgraduate guides on a rotation basis.
- Sabbatical leave are being sanctioned to staff for obtaining additional qualifications.
- Provisions for good quality education.
- Annual awards for achievers in recognition of their contributions.

6.3.3 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have benefitted from these schemes in the last four years? Give details.

- Professional indemnity insurance for the entire faculty.
- Gratuity scheme to all teaching and non-teaching staff.
- Earned leave encashment. Every year, 15 days of earned leave can be encashed
- Commuted leave facility available.
- Accident insurance.
- Housing welfare schemes for non-teaching faculty.
- Institution is recognized by Government approved Housing financial organizations; faculty can avail immediate loans under housing and welfare schemes.
- Maternity and paternity leave (maternity leave of 90 days, eligible for 2 children & paternity leave of 15 days).
- Subsidized food for staff in the college canteen.
- Festival loans for non-teaching staff.
- Free aprons to all the teaching and technical staff of the college.
- R.V Employers scheme from R.V. Employers association. to help the employees of its institutions

6.3.4 What are the measures taken by the institution for attracting and retaining eminent faculty?

Measures taken by the institution for attracting eminent faculty include:

- Salary offered is based on the sixth pay commission
- Provision for staff quarters within the campus
- Good infrastructure and positive working environment ensured in the institution
- Concessions in fees for the wards of eminent faculty in the institutions run by the trust.
- Treatment facilities in the upcoming new medical hospital for the faculty and their family.

Measures taken by the institution for retaining eminent faculty:

- Financial assistance provided for national and international publications and presentations made by the faculty.
- Felicitations and awards by the Management on every republic day for their achievements
- Earned leave encashment for the faculty.
- Training and development programs organized for the professional development of the faculty.
- Deputation of faculty to foreign universities for fellowship.
- Provision of good infrastructure and positive working environment.
- Parking facilities, canteen facilities, yoga and meditation, indoor and outdoor games facilities have been made available for the staff members.

6.3.5 Has the institution conducted a gender audit during the last four years? If yes, mention a few salient features.

Yes, the institution conducts gender audit. It has been noted that the number of female staff is almost the same as that of male staff in the last four years. Among students, more number of females have taken admissions in the institution compared to males

YEAR	STUDENTS		TEACHING		NON-TEACHING	
	Male	Female	Male	Female	Male	Female
2009-10	25	63	35	37	34	30
2010-11	29	57	35	35	33	31
2011-12	34	56	35	35	34	31
2012-13	26	70	33	35	34	30

6.3.6 Does the institution conduct any gender sensitization programs for its faculty?

The staff and students are periodically apprised of the institutional policy of “No Gender discrimination” and the policy relating to the safety of women, staff and students.

A separate women welfare committee has been formed to monitor the safety of the women, staff and students.

More than 50% of both non-teaching and teaching faculty are women.

6.3.7 How does the institution train its support staff in better communication skills with patients?

The non-teaching staffs are assessed periodically for their work efficiency and commitment and are also monitored on daily basis by the HOD’s of the respective department and the Principal. The support staffs are asked to be polite and kind towards the patients. They are trained to offer wheelchair facility to the physically challenged.

They are provided with uniforms for easy recognition and instilling a sense of equality among the non-teaching staff. They are periodically trained and also

encouraged to pursue their higher studies. The support staffs are routinely counselled by the Nursing Superintendent.

6.3.8 Whether the research interests of teaching faculty are displayed in the respective departments?

Yes. The research interests of teaching faculty are displayed in their respective departments.

6.3.9 Do faculty members mentor junior faculty and students?

Yes. Principal and the HOD's hold regular meetings regarding mentoring of the junior faculty and students. The senior members mentor the junior faculty and students regularly to boost their confidence and enable them to excel academically.

6.3.10 Does the institution offer incentives for faculty empowerment?

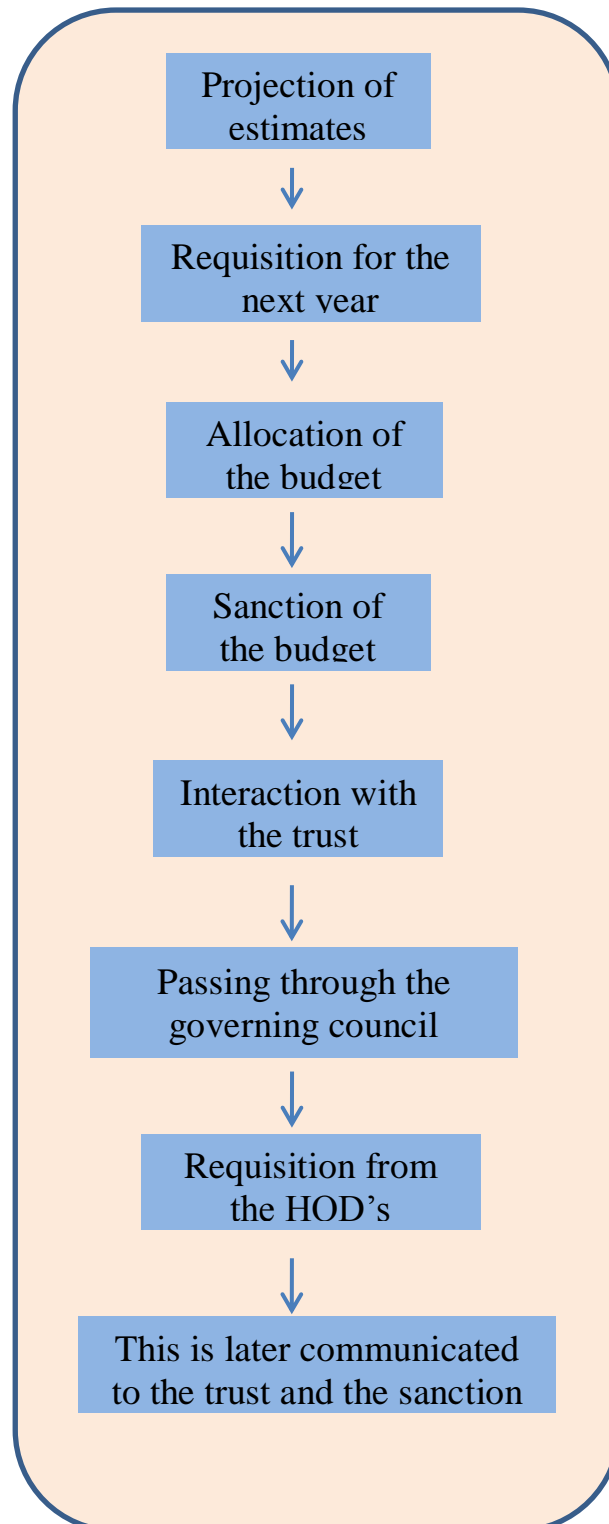
The faculty are provided with following incentives:

- Compensatory leave for participating in camps
- Special casual leave of 15 days/year to pursue academic assignments.
- Officially deputed for university assignments.
- Provision to avail sabbatical leave for obtaining additional qualifications
- Earned leave encashment.
- Financial assistance for national and international publications and presentations.
- Maternity/paternity leave (maternity leave of 90 days, eligible for 2 children and paternity leave of 15 days).

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism available to monitor the effective and efficient use of financial resources?

Yes, there is an institutional mechanism available to ensure that the financial resources are effectively and efficiently utilized. This happens in the following steps:



- Any major equipment/purchases/projects are sanctioned through the Governing Council.
- When there is any emergency need of equipment or purchases, these are processed and then gratified through the governing council.
- The office incharge /executive obtain quotations from different vendors and discuss the cost-benefit ratio with the Principal and HOD before the vendor/product is chosen.
- Yearly audit is published and is accessible to all
- Annual budgeting is based on the feedback obtained from all the stake holders, namely, patients, student, staff, and management
- Both internal and external audit is carried out on a regular basis every year

6.4.2 Does the institution have a mechanism for internal and external audit? Give details.

The institution has both internal and external audit system.

- The internal audit is carried out on quarterly basis by Messrs. Ashok Shivaji Rao and Company
- The External Audit is conducted bi-annually. This is carried out by Messrs. Shantappa and Co and published in the managing trust annual newsletter which can be accessed by all stake holders.

6.4.3 Are the institution's accounts audited regularly? Have there been any audit objections, if so, how were they addressed?

Yes. The institution's accounts are audited on quarterly basis and there have been no audit objections.

6.4.4 Provide the audited statement of accounts with details of expenses for academic, research and administrative activities of the last four years.

The audited statement of accounts in the last four years

DAPMRVDC

Academic	14,14,134.00	19,18,740.00	10,50,797.00	18,18,074.00
Research	10,11,074.00	18,75,219.00	5,85,541.00	4,44,608.00
Administrative	1,16,410.00	15,707.00	70,522.00	7,23,154.00

6.4.5 Narrate the efforts taken by the institution for resource mobilization.

The institution is self-financed and is managed by R.S.S.T, a premier trust formed in 1946 and has 26 institutions under its wings. Other sources of income generation include:

- Tuition fees collected for UG & PG course, Diplomas, Certificate Programmes, as stipulated by the Affiliated University and the State Government.
- Subsidized treatment charges collected from patients.
- The Parent Trust funding.

Steps taken to increase resources include:

- Introduction of additional courses.
- Creation of awareness regarding the facilities available at the dental hospital to increase the number of patients availing treatment facility.

6.4.6 Is there any provision for the institution to create a corpus fund? If Yes, give details.

Yes. There is a provision for the institution to create a corpus fund. We have a corpus fund of Rs. 4 Crores, since 5 years, as standby.

6.4.7 What are the free/subsidized services provided to the patients in the hospital?

- Since, our Institution is a teaching dental college and hospital; all the patient services provided are subsidized. In association with Canara Bank Welfare Scheme, the institution provides free treatment to cleft lip/palate patients. The RSST trust provides free treatment to the underprivileged and economically weaker sections of the society. The institution has free histopathological analysis facility.

Treatment is offered at subsidized charges for patients who have been referred from

- Camps at Sriramanahalli, Attibelle, Anekal, Devanahalli, schools for the differently abled children, Tirunellveli.
- Rural areas,
- Satellite centers like KSRTC, TVS,
- Sister concern institutions
- Cleft lip and cleft palate cases
- Medically disabled
- Senior citizens.
- Government schools in an around college.

6.4.8 Does the institutions receive fund from philanthropic organizations/ individuals towards patient care? If yes, give details.

Yes, the managing trust of the institution, RashtreeyaSikshanaSamithi Trust receives donations from philanthropic organizations/individuals.

6.4.9 Do patients from other states/abroad come for treatment, reflecting the unique quality health care provided by the institution

Yes.

Many of the patients come from other parts of the country while patients from abroad have also availed our services.

6.5 Internal Quality Assurance System.

6.5.1 Does the institution conduct regular academic and administrative audits? If yes, give details.

Yes.

Dental Council of India, the apex body of Dentistry in India conducts regular inspections of our institution to ensure that the institution complies with the requirements. Additionally, as the institution is affiliated to Rajiv Gandhi University of Health Sciences, a local inspection committee of RGUHS annually conducts inspection and checks for compliance to the prescribed norms with respect to

- Infrastructure
- Equipments and materials
- Faculty
- Patient inflow

and renews the affiliation.

In addition, the institution conducts an audit to evaluate the following aspects:

- Student's pass percentage and attendance in individual subjects
- Academic excellence achieved at individual departmental level
- Efficacy and outcomes of programs introduced
- Publications, research programs and grants received
- Feedback of faculty from students.

The information gathered is peer reviewed and feedback given to all stakeholders for taking necessary actions.

6.5.2 Based on the recommendations of the Academic Audit, what specific follow up measures have been taken by the institution to improve its academic and administrative performance?

The institution has taken up following measures, to improve its academic and administrative performance.

- Use of ICT enabled teaching learning methods.
- Identification and mentoring of slow learners and advanced learners.
- Informing parents about the student's performance and gathering the feedback through Parent- teacher meetings.
- Involvement of senior faculty of the department in mentoring juniors and students.
- Provision of recommend/ designated text books as per RGUHS ordinance to students for better understanding of the subjects.
- Computerised examination system.
- Necessary action and remedial measures initiated by the Head of the institution following the feedback of faculty.
- Feedback of all the stake holders and student performances are put forward in the regular governing council meetings for further action.

6.5.3 Is there a central unit within the institution to review the teaching-learning process in an ongoing manner? Give details of its structure, methodologies of operations and outcomes?

Structured feedback analysis obtained from the students, interns, alumni of the institution form the basis for introducing new teaching and learning methodologies as and when required.

The UG/PG committee, student welfare committee meets regularly to discuss and overcome any deficiencies with respect to teaching, learning, evaluation process plasticized in the institution.

Faculty regularly participate in training and faculty enrichment programmes like training of tutors and FAIMER which has enabled delivering the syllabus in a more structured manner.

The refinements in teaching learning method in last four years have been described in detail as a best practice of the institution in criteria 7.3.1

6.5.4 Has the IQAC contributed to institutionalizing quality assurance strategies and processes?

IQAC has contributed to institutionalizing quality assurance strategies through

- Monitoring the curricular aspects to oversee that the prescribed syllabus and teaching beyond syllabus is carried out effectively. The

same is reflected with the increase in the pass percentage over the last four years.

- Effective installation and management of teaching learning methods so that syllabus is more students centric, thereby, contributing to holistic development.
- Facilitation of research and development, infrastructure and student support in the institution.

6.5.5 How many decisions of the IQAC have been placed before the statutory authorities of the institution for implementation?

All the IQAC decisions like the teaching learning methods, evaluation system, infra-structure development and research, student support and practices followed in the institution and financial aspects are placed before the governing council of the institution for implementation.

6.5.6 Are external members represented in the IQAC? If so, mention the significant contribution made by such members.

Yes. External members are represented in our IQAC. Some of the members and their role have been elaborated below

- Dr. T.V. Raju
 - Being the Dean of renowned management school, he has contributed in the formulation and functioning of IQAC. He has directed the IQAC in planning and implementation of numerous quality assurance programs in the institution.
- Mr. B.S. Raghu Prasad and Mr. Murthy
 - Being lawyers by profession contribute to the legal and ethical issues pertaining to the research projects.
- Dr. Ramesh
 - Being a parent of a distinguished student of our institution, he is well aware of the practicalities and provides us valuable inputs.

6.5.7 Has the IQAC conducted any study on the incremental academic growth of the students from disadvantaged sections of society?

From 2009, the average year wise academic growth with respect to students from the disadvantaged sections of society is as follows:

- Average academic performance in first year BDS is 66.66%, Second year BDS is 68.5% and third year BDS is 70.85%.

There is a provision for providing scholarship on requisition from these students from RSST.

6.5.8 Are there effective mechanisms to conduct regular clinical audit of the teaching hospital? Give details.

The RGUHS and DCI renew the College's affiliation/recognition respectively only after the institution fulfils the requirements with respect to clinical material provided.

The heads of all the clinical departments with their staff conduct a clinical audit of

- Treatment procedures carried out with respect to patient waiting time, duration of treatment procedures, keeping up the appointments, follow ups and attending to any untoward sequel and their management.

6.5.9 Has the institution or hospital been accredited by any other national/International body?

NO

6.5.10 Does the hospital have institutional and individual insurance schemes to cover indemnity claims?

YES. The institution has subscribed for the following insurance schemes:

- Professional indemnity insurance for all the faculty members.
- Accident insurance.
- Insurance for all the non-consumable equipments
- Fire insurance.

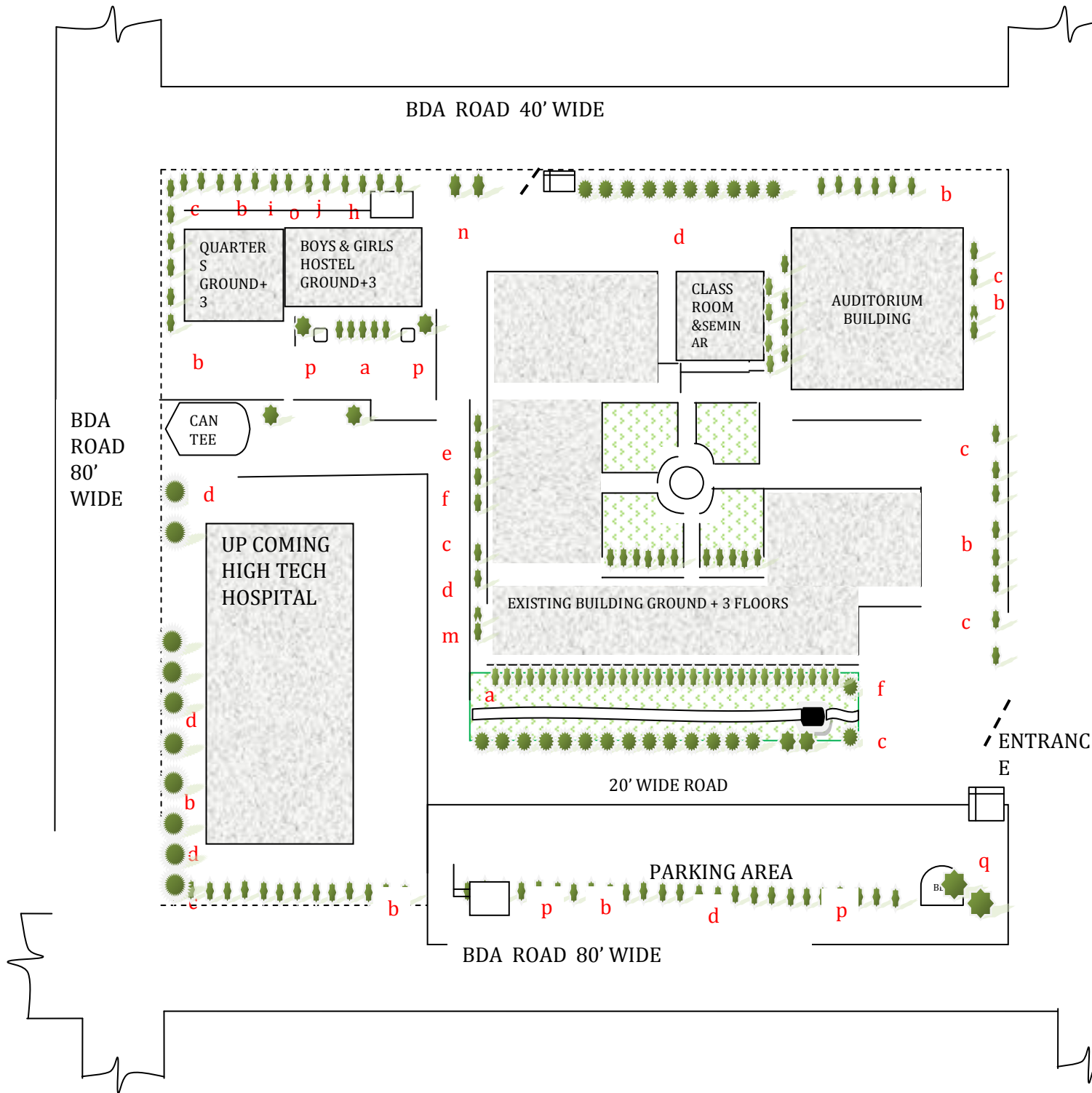
Any other information:

7.1 Environment Consciousness

7.1.1 Does the institution conduct a Green Audit of its campus?

Yes, green audit is conducted by the Head of the institution, along with the residential engineer and gardener on a regular basis.

In addition, the Department of Horticulture, Government of Karnataka, visits the institution annually. Our institution has won the “BEST MAINTAINED GARDEN” award for three consecutive years.



GREEN AUDIT

1. 5.27 ACRES
2. HORTICULTURE DEPT - BEST GARDEN AWARD
3. 40% CAMPUS OF GREENERY
4. NO OF TREES - 156
 - a. AKASH MALEEGE - 40 NOS
 - b. SILVER OAK - 57 NOS
 - c. HERCULES - 07 NOS
 - d. PELTA PHORUM - 10 NOS
 - e. NEEM TREE - 7NOS
 - f. SARACA DECLINATA - 4NOS
 - g. CHRITSMAS TREE -3 NOS
 - h. JACK FRUIT - 2 NOS
 - i. ROYAL PALM - 3 NOS
 - j. DRUM STICK- 1 NOS
 - k. JUICE TREE - 1 NOS
 - l. SAMPIGE - 1 NOS
 - m. SAPOTA - 1 NO
 - n. MANGO - 3 NOS
 - o. MOSUMBI
 - p. COCONUT TREE - 10 NOS
 - q. JUNGLE RUBBER TREE - 2 NOS
5. LAWN AREA -1.3 ACRES
6. GARDENERS - 3 + 1 ENGINEER
7. BUDGET - RS 4,00,000/-
8. PUTRIFICATION PIT FOR VERMI CULTURE
9. 3 BORE WELL
10. MEDICINE PLANTS
 - a. ALUVERIA
 - b. NEEM
 - c. TULSI
11. FLOWER PLANTS - 150 NOS

MAINTAINANCE:

INCHARGE - PRINCIPAL ENGINEER AND 3 GARDENERS

1. TRIMMING - 4 TIMES A YEAR
2. HERBAL PEST CONTROL - 10 PER YEAR
3. LAWN MOWING - 8 PER YEAR
4. FERTILIZER - ONCE IN A YEAR

7.1.2 What are the initiatives taken by the institution to make the campus eco-friendly?

A. Energy conservation:

- Well planned architecture which ensures natural lighting and good ventilation has minimized the use of artificial energy sources during daytime.
- Minimal use of air-conditioning devices

B. Use of renewable energy:

- Solar devices have been installed

C. Water Harvesting:

- Rain water harvesting facility is available in the campus

D. Solar panels:

- Installed in the hostels (within the college campus)

E. Efforts for carbon neutrality:

- Frequent planting of saplings and maintenance of the garden
- Carpooling is encouraged
- Faculty and students are encouraged to use public transport-facilities
- Plastic free campus
- Recycling of paper
- Paperless circulars, whenever possible
- Tobacco-free zone in and around the campus (as per Government of India regulations).

F. Plantation – Botanical or Medicinal significance:

- Frequent planting of saplings and well-maintained garden. The institution has employed three gardeners for the same.

G. Bio-hazardous waste management:

- The institution is certified by the Karnataka State Pollution Control Board for generation, collection, reception, storage, transportation, treatment and disposal of Bio-Medical waste in the premises of the college.
- The institution has a memorandum of understanding with Maradi Eco Industries Pvt. Ltd, Bangalore South, for disposal of biomedical waste.

All the departments meticulously segregate the bio-hazardous waste according to the prescribed norms.

H. E-waste Management:

- E-waste from all the departments is collected and handed over to an NGO for disposal.

I. Effluent treatment and recycling plant:

- Not available

J. Recognition/Certification for environment friendliness:

- The institution has been certified by the Karnataka State Pollution Control Board for Bio-Medical waste management in the campus.
- Our institution has won the “BEST MAINTAINED GARDEN” award for three consecutive years from the Department of Horticulture, Government of Karnataka

7.1.3 How does the institution ensure that robust infection control and radiation safety measures are effectively implemented on campus?

INFECTION CONTROL:

- All the departments follow universal precautionary measures for infection control.
- A manual for infection control by the Dental Council of India is used as the standard reference.
- Designated sterilization areas for sterilising the equipments and instruments used are available in all departments and are monitored regularly by the Diagnostic Laboratory of the institution.
- State of the art infection control equipment available.

RADIATION SAFETY:

The institution is certified by the Atomic Energy Regulatory Board (AERB) and their guidelines are adhered to strictly. The AERB is the agency responsible for monitoring the radiation protection measures installed by the institutions having radiography units. AERB also stipulates strict guidelines regarding the quality assurance of these radiography units.

Schnell Medical Services from Mumbai has tested the radiography units in the department for various quality assurance parameters. They have certified all the radiography units in the department as having met with the quality assurance guidelines as per AERB guidelines. This quality assurance test report is in the process of being submitted to AERB for further action. The following are the radiation protection measures taken up by the Oral and Maxillofacial Radiology division of the department.

General radiation protection measures

1. There is a separate waiting area for the radiology division.
2. The department is equipped with high quality intraoral radiography units
3. The intraoral radiography units are housed in separate cubicles. These cubicles are surrounded on three sides by partitions with sandwiched 1.5mm thick lead sheets. The 4th wall of these cubicles is made up of 2 inch thick brick wall which form a part of the outer wall of the building. The roofs of these cubicles are made up of thick concrete which acts as a barrier for secondary radiation for the equipment.
4. The conventional, digital panoramic units and the extraoral 100mA radiography unit are housed in separate rooms with the above mentioned lead and concrete barriers. The computer console and the workstation for digital panoramic unit and extraoral 100mA radiography unit is separated from the machine by the above mentioned lead barrier with a lead window.

Radiation protection measures for the operator

1. The radiology division is equipped with lead screens for each one of the extraoral, panoramic and intraoral imaging equipments. The operator will be standing behind these lead screens while operating the radiography equipment.
2. The operator/s are encouraged to wear lead aprons while operating the radiography units.

3. The operator/s are provided with gonadal shields and lead lined gloves for extra protection from the X-ray radiation.
4. Wearing a radiation monitoring device (TLD Badge) is mandatory for all the faculty of the department including the radiography technician. This device is sent once in every three months to Avanttec limited, Chennai for measurement of radiation exposure to the operator. Avanttec limited sends radiation exposure report for the individual TLD cards to the institution.

Radiation protection measures for the patient

1. The department gives utmost priority to safe guard the patient against unnecessary exposure to the X-ray radiation.
2. The lead apron is used to cover the upper half of the body while exposing the patient to radiation.
3. The patients are made to wear lead lined thyroid collars when exposure of thyroid gland is anticipated.
4. The department uses E speed films which causes significant reduction in radiation exposure to the patient.
5. Majority of the panoramic and cephalometric imaging are carried out using the digital system which has significantly less radiation exposure.
6. The intraoral radiography units are also digitized and the X-ray tube head is of latest design which reduces the radiation exposure to the patient.
7. The students are encouraged to take intraoral periapical radiographs by using paralleling technique. This technique helps in eliminating most of the operator dependant errors in the radiographs thereby minimizing the repetition of radiographs which helps in reducing the radiation exposure to the patient.
8. Film holding device is used to position the film in the mouth instead of patient holding the film with his/her fingers during intraoral radiography imaging. This measure will help in reducing the unnecessary exposure of fingers and hand of the patient to X radiation

and also minimizes repetition due to film displacement (while holding with fingers).

7.1.4 Has the institution been audited/accredited by any other agency such as NABL, NABH, etc?

The institution is audited annually by the

- Local Inquiry Committee of the RGUHS
- Dental Council of India

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the institution.

Innovations in teaching/learning/evaluation:

- Smart teaching was introduced in 2014.
- Diagnostic software has been procured in some departments to improve student learning and to motivate patients in oral health care
- Webinars being organized with international/national speakers
- Workshops have been conducted to train faculty in newer teaching/learning/evaluation methods, including:
 - I) Training of Trainers Workshop for Dental Education by RGUHS
 - II) FAIMER workshop
- Three internal assessments are conducted against the prescribed two internals in order to achieve continuous assessment of learning outcome.
- Faculty and alumni of the institution are deputed to Showa University, Japan, for special training programmes.

Innovations in research:

- UG research programmes have been introduced by the Department of Public Health Dentistry. Two of these projects have won the ICMR award. ICMR has also granted financial aid for postgraduate dissertations.

Innovations in equipment:

- The Department of Pedodontics has developed an eco-friendly equipment for dental camps in rural areas. Instead of a generator, a hand-pump is used to provide energy for working of the dental

chair. **This can also be considered as an innovation in environmental friendliness.**

- The Department of Prosthodontics has developed an instrument to classify lateral throat form by measuring depth.

Innovations in community services:

- The Department of Pedodontics has developed an Eco-friendly equipment for dental camps in rural areas: Instead of a generator, a hand-pump is used to provide energy for working of the dental chair.
- The Department of Public Health Dentistry has developed many tools for edutainment. These are used for health promotion in dental camps and school health programmes. Some of these include:
 - i. An animated video with a read-along book: Chocodemon and Tooth fairy
 - ii. Board game: Sparkyman
 - iii. KIDENT: a dental health education magazine for school children

Innovations in governance/leadership:

- Recognition of faculty achievements by the institution and the management in the form of felicitations and incentives
- Transparency in recruitment and promotions
- Uniform salary structure and benefits provided in the form of earned leave encashment, commuted leaves, financial aid for scientific presentations and publications and gratuity at time of retirement.

Extra-curricular activities:

- The institution has a Student Welfare Committee, which conducts sports and cultural competitions every year, in the month of September.
- During the sports events, the students, teaching faculty and the non-teaching faculty are divided into four houses, and the competitions are conducted house-wise. The house with maximum awards gets a trophy. This inculcates team spirit, nourishes leadership ability and promotes interactions among staff and students of the institution.
- The cultural competitions too are open for students, teaching staff and non-teaching staff.
- Yoga classes are conducted in the campus by professionals from SVYASA.

7.3 Best Practices

7.3.1 Give details of any two best practices that have contributed to better academic and administrative functioning of the institution.

BEST PRACTICE 1:

Title of the Practice:

- **Student and staff advocacy and recognizance**

Objectives of the Practice:

1. To recognize the achievements of students and staff in academic as well as extra-curricular activities
2. To promote student and staff performance
3. To encourage participation in extra-curricular activities
4. To instil a sense of quest for excellence among students and faculty
5. To create a healthy, competitive atmosphere in the campus
6. To infuse a sense of belonging to the R.V. family

The Context:

To encourage students and improve their performance in examinations, the institution felt the need to recognize students who excelled academically. The faculty of the institution then instituted awards for these students, shortly after the inception of this institution. A gold medal was instituted by the management for the student who scored overall highest marks throughout the course. In subsequent years, cultural and sports events were organized, and prizes were instituted for winners in these events. Gradually, cultural and sports events were also open for all students, teaching staff as well as non-teaching staff of the college. The number of prizes has been increased since inception.

To encourage the students and staff to use the library facilities, awards were instituted for maximum usage of library.

Incentives and sabbaticals were also introduced for faculty and students for scientific presentations and publications, to encourage research. Faculty are also deputed to Showa University, Japan for additional courses.

The management celebrates Republic Day (26th January) every year by felicitating students/staff (from all its institutions) who have excelled in curricular/extra-curricular aspects.

The Practice:

Accolades for excellence in academics:

1. Awards for students who secure highest marks in individual subjects:
Our faculty have instituted awards for students securing highest marks in various subjects.
2. Gold Medal for Best Outgoing Student:
The best outgoing student award is given to the student scoring overall highest marks (from I BDS to IV BDS). The management, RastreeyaShikshanaSamithi Trust (RSST) has instituted a Gold Medal for the Best Outgoing student.
3. Award for parents of Best Outgoing Student:
Two of our faculty have instituted an award to recognize the parents of the Best Outgoing Student.
4. Awards for maximum utilization of library:
Awards have been instituted for the students and staff who utilize the library to the maximum extent every academic year.
5. Indian Dental Association (IDA) awards:
In association with the IDA, monetary awards are distributed to students securing highest marks in individual subjects.

All the above mentioned awards are distributed during the Graduation Day and Teacher's day celebrations every year.

6. Felicitation by RSST:
The RSST recognizes the achievement of faculty and students of all its institutions on 26th January of every year. The students and faculty with following achievements are felicitated on this day:
 - a. Prizes won at intercollegiate competitions
 - b. Scientific presentations
 - c. Scientific publications award
 - d. Research work

- e. Any other academic achievement
- 7. Financial grants for scientific presentations:
The management provides financial grants for staff/students presenting scientific papers at national/international conferences.
- 8. Sabbaticals:
Sabbaticals provided to faculty for
 - a. scientific presentations in national/international conferences
 - b. pursuing academic courses/additional qualifications

Accolades for excellence in extra-curricular activities:

In the month of September every year, cultural and sport festival is held in the institution. Students, teaching faculty and non-teaching staff participate in these events. The RSST sponsors the awards for those who excel in these competitions.

Furthermore, students are also encouraged to participate in intercollegiate events. Financial aid is provided for students participating in these events. Students who win awards in these events are honoured by the RSST on the 26th January celebrations, every year.

Awards for children of staff

The institution and the management distribute awards for children of all teaching and non-teaching faculty who have:

- a. completed 7th grade public examinations with >75% aggregate marks
- b. completed 10th grade with >75% aggregate marks
- c. completed 12th grade/pre-university course with >75% aggregate marks
- d. completed higher education
- e. excelled in cultural event/sports at state, national and international level

Education of children of staff

Children of teaching and non-teaching staff are provided with an opportunity for education in all institutions of the management.

Evidence of Success:

The success of this practice is evident by:

1. increased pass percentage over the years
2. increased number of University ranks in the past 4 years
3. increase in number of publications
4. increase in number of awards won for scientific presentations in various conferences
5. increase in the number of faculty being recognized as resource persons for guest lectures, conferences, chairing of scientific sessions, etc
6. retention of faculty
7. noteworthy academic profile of the institution
8. being recognized as a centre for excellence in dental education

Problems Encountered And Resources Required:

Initially, finance was a major problem. The monetary requirements for all the awards, incentives were quite high. However, with the staff instituting many academic awards and the management sponsoring the gold medal, staff children awards and the prizes for extra-curricular activities, the problem was overcome quickly.

BEST PRACTICE 2:

Title of the Practice:

- **Oral Health for all – service to community**

Objectives of the Practice:

1. To screen, identify and monitor the oral health needs of the community in urban and rural areas, in and around Bangalore as well as other needy areas.
2. To provide consistent oral health care and dental health education to underprivileged sections of the community
3. To improve oral health and health care attitude in the community
4. To reduce inequality in oral health status among different sections of the community

5. To provide dental undergraduate and postgraduate students an exposure to community based services
6. To augment/compliment the clinical material available for dental students, thereby inducing experiential learning.

The Context:

“A healthy community is the greatest asset any country can have.”

■ Winston Churchill

One among the core responsibilities of a dental college is to serve the community around it. In this regard, our institution has done yeomen service through its community outreach programmes providing free, regular, incremental dental care to urban as well as rural community. The gross inequalities in the current Indian society are reflected in the distribution and availability of health care as well as oral health care services particularly to the subset of school children. This group is easy to access consistently and therefore one of the key targets of several social initiatives in our country. Hence, our institution has developed a unique sustained School Oral Health Programme, catering to oral health care needs of school children since 1994. Furthermore, three satellites clinics have been established and have been functioning to provide oral rehabilitation to many a patient.

In addition to providing community service, such programs also enable experiential learning among the students, instil a sense of social responsibility among faculty and students and help them perceive the regional oral health care needs better.

The Practice:

The following community outreach programmes are organized by the institution.

1. School Health Programmes:

Our institution has a unique school oral health programme, which has been consistently providing oral health care to school children since 20 years.

The protocol followed includes the following steps:



The team includes staff, postgraduate students, interns and few non-teaching staff. Basic treatments including oral prophylaxis, dental fillings, preventive treatments are provided completely free of cost to the children. For advanced care the children are referred to nearby dental facilities/colleges. This has been facilitated by the unstinted support of the RastreeyaSikshanaSamithi Trust as well as the support of the college principal and staff. To facilitate the entire process the college ambulance/van and driver is set apart twice a week. Over the years the equipments have been customized for the specific needs of our target population to include, portable dental units, ultrasonic scalers with customized pressure pumps among several other innovations. The format of practice is also unique and enables us to screen and treat a large number of children simultaneously. The initial partnership with TVS Sundaram Motors Co., Hosur has become a model for Public Private Partnership in Healthcare provision and included in the Health Promoting School concept of the Bangalore Declaration of World Health Organization. We have worked with several organizations including UNICEF, BOSCH, FAME, PARIKRAMA, LIFEKEN, SAMARTHANAM TRUST among several others.

This cycle of practice is repeated annually so as to provide consistent incremental care which is essential for school children. On an average 6,500 children have been treated annually since 2008.

2. **Screening and Treatment Services (other than school oral health programmes):**

Dental camps are conducted in urban and rural areas for the underprivileged. Besides detection and treatment of common oral diseases such as dental caries and periodontal diseases, exclusive camps are organized for Cleft lip/Cleft Palate as well as Oral Pre-cancer and Cancer.

3. **Health Education Programmes:**

Health education is provided to all patients / attendants who visit the hospital. It is also a part of all dental camps conducted. Exclusive health education programmes are also organized for urban and rural community.

The programmes concentrate on:

- Oral hygiene practices
- Prevention, recognition and necessity of treatment for oral diseases
- Creating awareness about the detrimental effects of habits like use of tobacco and betel, thumb sucking, mouth breathing, lip biting and many more, on oral health.
- Educating about fluorosis

Furthermore, our faculty participate in educating general public by means of invited lectures, radio-talks and television talks.

Infrastructure for health education: A multitude of aids are available for health education:

- Models
- Educative charts
- Posters
- Edutainment:
 - an animated video with a read-along book: Chocodemon and Tooth fairy
 - interactive games
 - KIDENT: a dental health education magazine for school children

Training of students for health education: All students are trained to provide basic health education talks as part of Public Health Dentistry curriculum.

4. **Health Awareness Programmes:**

The institution participates in and conducts many health awareness programmes.

- Health awareness programmes conducted:
 - a. School health awareness programmes
 - b. Competitions for children
 - c. AIDS awareness programmes: including street plays, rally on World Aids Day.
 - d. Anti-tobacco programmes: Rally on World No Tobacco Day, Education of patients / public regarding ill effects of tobacco
 - e. Oral Hygiene awareness: rally on Oral Hygiene Day
 - f. NSS activities
- Health awareness programmes participated:
 - a. Anti-tobacco Rallies
 - b. Diabetes walkathons
 - c. World Vision Health Day
 - d. Cancer awareness programmes

5. **Satellite Clinics:**

The institution has established three satellite clinics in:

- a. KSRTC centre, Jayanagar 4th Block
- b. Sevakshetra Hospital, Banashankari
- c. Sriramanahalli

All the satellite centres are sufficiently equipped for diagnosis and treatment of oral diseases.

The Evidence of Success:

From the school oral health programmes, over the last 5 years a total of 24,239 children have been screened and 17,833 treated (including preventive procedures), thus providing basic essential dental services to a significant number of children. The sustenance of the program is largely attributed to the high degree of motivation by the concerned faculty, the positive response from the community at large and the schools in particular and more significantly the

children themselves who look forward to our visits. Many more patients have been benefited by the other community outreach programmes.

The team including students further look forward to these visits as they provide an entirely new facet of dentistry that cannot be duplicated in the college setting. This practice has instilled a sense of social responsibility among our students and faculty. In fact, two of our students have been motivated to pursue a career in community dental services in a big way with one of them working in association with World Health Organization. Thus, the format of our community outreach programmes has created not only an awareness but also instilled in our student stakeholders a keen interest in replicating the same.

YEAR	NO. OF PATIENTS BENEFITED
2009	739
2010	428
2011	1660
2012	10,113
2013	9057

PROBLEMS ENCOUNTERED:

1. The dental chair functions through a compressor which requires electric power supply. In many rural areas, availability of power supply was minimal causing hindrance in treatment procedures. Hence, the Department of Pedodontics has developed eco-friendly equipment for dental camps in rural areas wherein a hand-pump is used to provide energy for working of the dental chair instead of a generator.
2. Financial problems have been overcome by the RSST unconditionally supporting these programmes.

Abbreviations

RSST: RashtreeyaSikshanaSamithi Trust

IQAC: Internal Quality Assurance Cell

RGUHS: Rajiv Gandhi University of Health Sciences

DCI: Dental Council of India

COMED-K: Consortium of Medical and Dental Institutions – Karnataka

BDS: Bachelor of Dental Surgery

MDS: Master of Dental Surgery

ICT: Information and Communication Technology

IRB: Institutional Review Board

ICMR: Indian council for Medical Research

CAMHADD: Common Wealth Association for Mentally Handicapped and
Developmental disability

CTPHCF: Common Wealth Trisector Preventive Health Care Foundation

UG: Under Graduate

PG: Post Graduate

TOT: Training Of Teachers

PBL: Problem Based Learning

KEA: Karnataka Examination Authority

CET: Common Entrance Test

LIC: Local Inquiry committee

MCQ: Multiple Choice Questions

DRDO: Defense Research and Development Organization

CPA: Continuous Performance Assessment

TLD: Thermo Luminescent Dosimeter