

# QUALITY SUSTENANCE AND ENHANCEMENT REPORT

**2009-2014**

D.A. Pandu Memorial R. V. Dental College and Hospital successfully underwent the first cycle of NAAC accreditation in the year 2009. This initiated a resurgence of a series of developmental activities. Since then, the IQAC has played a pivotal role in suggesting, planning, implementing and evaluating the policies of the institution on a periodic basis.

NAAC accreditation streamlined the institution's efforts to achieve excellence in dental education, services to the community and dental research. Plans for quality sustenance and enhancement were outlined, evaluated, modified and executed during the last four years, with the support of our management (Rashtreeya Sikshana Samithi Trust) and the Governing Council. These were in consonance with the five key aspects and seven criteria enumerated by NAAC. A report of the same ensues.

## ***Expanding Academic Opportunities***

Keeping in line with the mission and vision statements of the institution and to give thrust to area of research, we have made continuous efforts to provide academic flexibility by adding new courses, introduction of PhD programs and increasing the number of post graduate seats. While postgraduate program has been started in the Department of Oral and Maxillofacial Pathology, the number of postgraduate seats in the Departments of Oral Medicine And Radiology, Orthodontics And Dentofacial Orthopaedics and Pedodontics have been increased. Add-on courses in the form of Post graduate Diploma in the Subject of Prosthodontics were also started.

## **TABLE 1: New programs introduced**

Programs	Departments
<b>PhD (3)</b>	Orthodontics
	Oral and Maxillofacial Surgery
	Periodontics
<b>MDS (1)</b>	Oral and Maxillofacial Pathology
<b>PG Diploma (1)</b>	Prosthodontics, Crown and Bridge

**TABLE 2: Increase in intake of students**

Program	Increase in intake of students
MDS - ORTHODONTICS	02 seat
MDS – PEDODONTICS	01 seat
MDS – ORAL MEDICINE AND RADIOLOGY	01 seat
MDS – CONSERVATIVE DENTISTRY AND ENDODONTICS	01 seat
MDS – PERIODONTICS	01 seat
CERTIFICATE COURSE IN AESTHETIC DENTISTRY	02 seats

These efforts have widened the academic excellence options for students for students in addition to their regular dental curriculum. Other such achievements/efforts include:

- 52 workshops/continuing dental education programmes conducted in institution premises
- 2557 seminars presented by students
- 399 scientific papers and posters presented at international/national/state level conferences
- CPR training provided to faculty and students; and
- 181 health talks transpired.

As part of experiential learning for students and community outreach programmes, the college has organized and participated in many health awareness programmes. Our institution has also

been visited by eminent personalities around the world, who have shared their knowledge with our staff and students.

To encourage additional value systems, students have been taught and encouraged to follow ethical principles of informed consent, autonomy, anonymity and respect while imparting treatment. Emphasis is given to development of knowledge, skills and good competency leading to employability.

### ***Ensuring Complete and Quality Education***

Separate undergraduate and postgraduate committees form academic calendar at the beginning of every year and monitor the progress to ensure the achievement of curriculum targets. Various reform measures suggested by these committees that have resulted in improved performance of the students and enrichment of services offered include the following:

- Three instead of two internal assessments prescribed by the University
- Continuous performance assessment cards along with Parent – teacher meetings
- Obtaining feedback from all the stakeholders of the Institution
- Regular up gradation of infrastructure and ICT enabled classrooms; introduction of smart teaching, innovative teaching/learning methods
- Beyond syllabus teaching, faculty development and enrichment programmes
- Recognition of advanced and slow learners; newly introduced remedial classes and counselling for slow learners
- Applied basic sciences classes for all I year MDS students

The team of well-qualified faculty ensures that such measures are effectively implemented. The college contributes to curriculum development through the faculty members who have been appointed as members of UG and PG Board of Studies at the University. Many other faculty members have participated in curriculum revision workshops conducted by the RGUHS.

### ***Encouraging Research Activities***

The Research and Staff Welfare Committees of the institution, along with IQAC have been encouraging research activities among both faculty and students. Funding for research activities is allocated in the annual research budget as a part of internal funding, while external grants from apex bodies are also facilitated. Research collaborations have been established with reputed research centres to widen the areas of research. The ethical aspects are overseen by the Institutional Review Board.

An innovation worth mentioning is introduction of research activities at UG level which have been recognized and funded by ICMR. There has been a consistent increase in translating this research work into publications and presentations over the last four years. Many of the presentations have won BEST PAPER awards. A total of 261 scientific articles have been published since 2009. Financial incentives and travel grants are provided by the institution to faculty and students for the same, in addition to awards and felicitations by the management.

Faculty have been deputed to Showa University, Japan for additional training. This has resulted in publications of collaborative research between the two institutions.

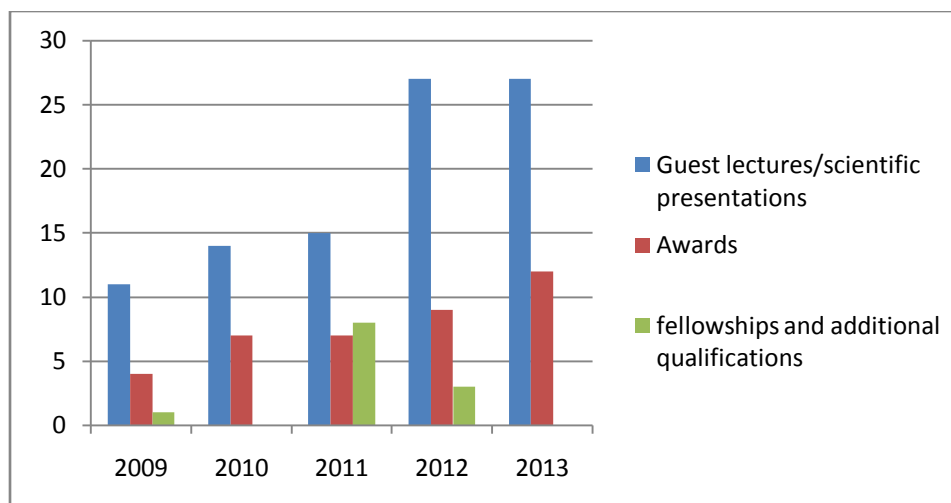
**TABLE 3: Research collaborations**

<b>Department</b>	<b>Collaboration Details</b>
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<b>Public Health Dentistry</b>	<p>In the last four years department has been working on two research projects in collaboration with various universities.</p> <p>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.</p> <p>2) The dept. is also working on a project entitled “Review of the present public health dentistry curriculum in collaboration with Harvard University, USA</p>
<b>Pedodontia</b>	<p>Involved in an inter-disciplinary research in association with Vittal-Mallya research foundation, Bangalore.</p>
<b>Orthodontia</b>	<p>Involved in an inter-disciplinary research in association with Vittal-Mallya research foundation, Bangalore.</p>
<b>Prosthodontia</b>	<p>Involved in an inter-disciplinary research in association with Vittal-Mallya research foundation, Bangalore and RV Engineering College, Bangalore.</p>
<b>Oral &amp; Maxillofacial Surgery</b>	<p>Collaboration with Indian Institute of Science to carry out research in the field of Oral Pre-cancer &amp; Cancer. It also collaborates with centres like Bangalore Institute of Oncology, Defence Research and Development Organization, Institute of Aviation Medicine, Bangalore, Queen Mary Royal College London, and University of Norweigh to promote research.</p>
<b>Periodontics</b>	<p>Promotes transdisciplinary research in association with 1) JnanaSanjeevini Medical Centre, Bangalore and Dept of Microbiology, Maratha MandalNatajiRaojiHalgekar Dental College, Belgaum.</p> <p>2) DIACON Hospital, Bangalore</p>

	<p>3) Sri Jayadeva Institute of Cardiology, Bangalore</p> <p>4) RV College of Engineering, Bangalore</p> <p>5) Semler Research centre, Bangalore</p>
<b>Oral Medicine</b>	<p>Collaborated with JnanaSanjeevini diabetic centre, Bangalore, Jain Institute of Vocational &amp; Advanced studies, Bangalore, Sapthagiri Imaging Centre, A division of Chinmaya Mission Hosp, Bangalore, Genetics Dept, NIMHANS, Bangalore, Raghavs Diagnostic &amp; Research centre, Oral 3D Diagnostic centre, Clumax Diagnostics Bangalore, and Showa University School of Dentistry, Tokyo, Japan.</p>
<b>Oral Pathology</b>	<p>Research collaborations with national institutes have been established. One of our faculty, Dr. Madhura was deputed to the following organizations for the same</p> <p>a) National Institute of Nutrition, Hyderabad</p> <p>b) Centre for Cellular &amp; molecular Biology (CCMB, Hyderabad)</p> <p>c) National Institute of Ayurveda &amp; Diabetics, Bangalore</p>

**Graph: Scientific presentations/guest lecture/awards**



There are a total of 28 postgraduate research guides and 6 PhD guides.

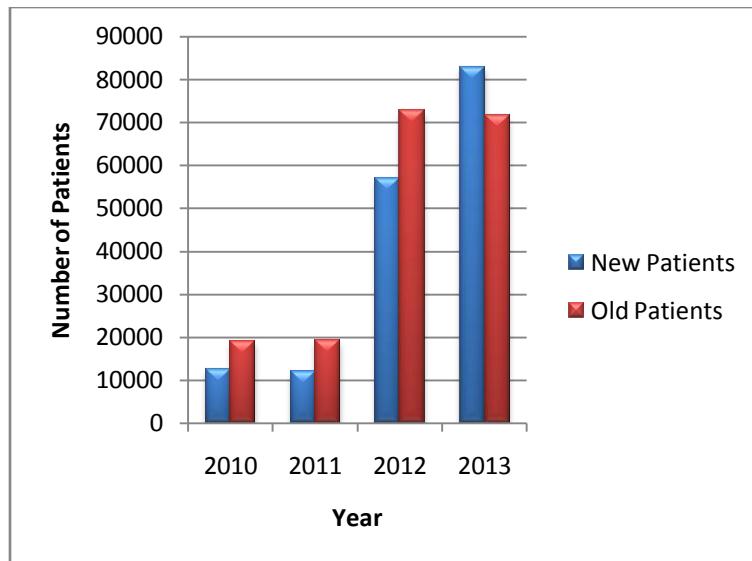
### *Enhancing Dental Care for Community*

The institution through its faculty extends its consultancy through school health programmes and community services. The Department of Oral and Maxillofacial Surgery extends its consultancy services to Bangalore Institute of Oncology, HCG, NIMHANS, etc.

Students are encouraged to participate in all dental camps, outreach programmes, health awareness and education programmes organized by the institution, and NSS programmes of the University. This instils social responsibility among students.

In the last four years, efforts towards augmenting the clinical material and have been fruitful. Senior citizens are provided with free treatment in the campus. Routine diagnostic laboratory investigations, histopathology and cytopathology services are also free. Three satellite centres and sustained increase in number of community outreach programmes have resulted in significant increase in clinical material.

### **Graph: Increase in clinical material**



### ***Infrastructure for Excellence***

The institution follows the norms of DCI and RGUHS and has implemented the required infrastructure. In the last four years,

- Phase-wise renovation and expansion of all departments has been carried out
- New classroom complex with four ICT enabled classrooms has been constructed; all are equipped with CCTV cameras
- New 225 capacity state of the art auditorium has been commissioned
- Construction of medical hospital in campus is under progress
- Wi-Fi enabled campus has been facilitated; all departments have been provided with desktops, laptops, printers and scanners. Free internet facility is offered for all students and staff.
- Up gradation of laboratory and clinical equipment has been carried out to facilitate introduction of new programmes and increase intake of students.



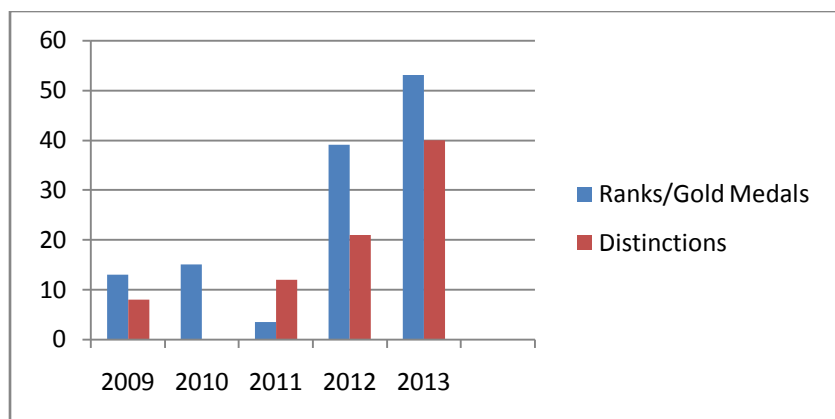
- 2300 books and many periodicals have been added to the library. Automated software LIBSOFT 9.0.0 is being used in the library. 14 computers with internet connection (speed of 2 Mbps) is available.
- IT Infrastructure facilities are constantly upgraded and maintained by Gurudev Infotech,.

In addition, facilities such as in-campus gymnasium, indoor and outdoor sports equipment have been augmented. A MOU has been established with Snap Fitness, Bangalore to provide special gym membership offers to students, staff and alumni of our institution, who are residing in various parts of the city.

A student welfare committee has been established to address the academic as well as co-curricular development of students. This committee organizes annual cultural and sports events that culminate with the college and graduation day in the month of September every year.

Owing to improvement in curricular aspects, teaching/learning/evaluation methods, encouragement for research, incentives for publications and presentations and up gradation of infrastructure, there has been considerable improvement in the performance of students in the post accreditation period.

**Graph: Number of distinctions, ranks and gold medal in University examinations**



### ***Rewarding Achievers***

Recognizing students, who score highest marks in all subjects, has been one of the best practices of the institution since many years, and these awards have been instituted by the faculty. . A gold medal has been instituted by the management for the Best Outgoing Student (student securing overall highest marks). Post-accreditation, awards have been introduced for the parents of the Best Outgoing Student to recognize their encouragement and support, and Maximum utilization of library. To distinguish the achievements of students and faculty, our management felicitates the achievers on 26<sup>th</sup> January of every year during Republic Day celebrations. The institution has also initiated awards and recognition for children of staff who have excelled in school, graduation and higher studies

The academic year 2011-2012 was a milestone marking the completion of 20 years. Celebrating this event, continuing dental education programmes were organized throughout the year on various subjects; international/national guest speakers were invited. An efficient team was identified to organize and conduct an intercollegiate cultural fest (Vinshatyabdha Samskrutika Parva) and cricket tournament during the year.

### ***Creating Transparency***

Decentralized and participative administration has groomed leadership qualities at all levels. Structured process of recruitment and promotions by a committee constituted by subject experts, university representatives and sometimes external members, creates transparency, thereby contributing towards a healthy working environment. This is further augmented by uniform pay scales to all staff. Presence of student members in most of the committees in addition to well-structured feedback system has led to periodic appraisal and improvement of the entire functioning of the institution.

### ***Conclusion***

Deficiencies and corrective measures suggested during the first cycle of NAAC accreditation have been addressed in the last four years with much sincerity and enthusiasm. Most of them have been fulfilled. The multicore megaproject of multispecialty hospital which is established in the campus, is in final stages of completion.