

Criterion 3 – Research, Innovations and Extension

3.2.1: The Institution has created an ecosystem for innovations including Incubation Centre and other initiatives for creation and transfer of knowledge

Response:

Rajas Dental College and Hospital serves as a well-known centre for guiding and supporting research activities for its students and staffs. The institute has a central research laboratory with all the mandated and advanced equipments for meticulous research in the field of dentistry. Some of such equipments includes penta head microscope, carbon dioxide incubator, cooling centrifuge, inverted tissue active triangular microscope and so on.

Varieties of programmes are regularly organized every year to impart the importance of innovative research onto its students. Staffs and students were given incentives for publication of article in research journals, scientific presentation in international/national conferences and special awards for prize winning. Institution has a well-established research and ethical committee, which include well-known researchers, excellent in the field of innovation. Students / Staffs doing research are guided and analysed by this expert team of members. Priority is given to appoint staff, who possess rich experience in research and good academic credibility.

Once the mentor identifies the student as fast learners, in the first year, they are given orientation towards presentation of papers/posters/table top clinics in conference and conventions. Once the students enter clinics, a detailed workshop will be organised by the institute to seed the research ideas in these young minds. Such students were guided and encouraged to publish their innovations in research journals. During internship it is mandatory for students to do atleast one original research/survey /clinical studies. Every year an exclusive ten day programme is being organized to convey research methodology, research writing, statistics every year for the post graduate students and staffs by a team of experts in respective fields. Our postgraduate students have published enormous number of research papers in esteemed journals.

Our institute has Memorandum Of Understanding (MOU) with national and international research institutes to promote combined researches. Interested students are permitted to observe biological procedure in nearby research laboratories. Seminars, symposium are organised by the institution with eye-opening lectures from Deans, Principals and icons from nearby and well-known Colleges/University.

3.4.3: Number of awards and recognitions received for extension and outreach activities from Government / other recognised bodies during the last five years

Describe the nature and basis of awards /recognitions received for extension and outreach activities of the Institutions from Government /other recognised bodies year-wise during the last five years within 500 words

Response:

Rajas Dental College and Hospital is located in a rural place with population having poor health awareness and low socio-economic status. The institution conducts free dental and medical camps, awareness programmes, blood donation camps and cancer screening programmes and so on. With permission from local authorities and government agencies initial treatments were provided in their locations and further treatments are carried in the Hospital, under no cost for the patient. Free accommodation and food are also provided for the needful population at their will. Rajas Dental College and Hospital has made memorandum of understanding with different schools and colleges to screen their students and do the needful treatment on a regular basis. Students who are doing internship and postgraduation are posted on a regular basis and treatments are carried out.

Our institution has a special consideration for anti-tobacco usage in the nearby society. The hospital has a special anti-tobacco cell to educate all the tobacco using people visiting the institution and also the anti-tobacco cell creates and displays banners, videos and education materials for creating awareness.

3.4.4: Institutional social responsibility activities in the neighbourhood community in terms of education, environmental issues like Swachh Bharath, health and hygiene awareness and socio-economic development issues carried out by the students and staff during the last five years.

Response:

Faculty and students from Rajas Dental College and Hospital are encouraged to participate in collaboration with government and non-government organizations in carrying out social outreach programs. Institute appreciates the services provided by students and faculty by considering their working for such activities as **on duty**. Some of these services are implemented as training program for the postgraduates and interns, who are posted regularly in centres like Boothapandy government hospital, Regional cancer centre, Trivandrum etc and are included in their academic curriculum. Interns are also posted on rotational basis in satellite centres as a part of rural and urban health postings for Compulsory Rotatory Internship.

Some of the salient contributions of Rajas Dental College and Hospital to institutional social responsibilities include:

- i. Participation in Government recognized health care programs:**
 - a. Screening and treatment camps for various oral diseases
 - b. Oral cancer screening Programs
 - c. School dental health camps
 - d. Blood donation camps
 - e. Oral hygiene and Dental camps

- ii. Training programs:**
 - a. Training for Basic Life Support;
- iii. Awareness programs:**
 - a. World No Tobacco Day
 - b. World Health day
 - c. AIDS awareness program
 - d. Cancer Awareness
 - e. Health education on environment and health
 - f. Oral Hygiene Day
- iv. Social camps and surveillance:**
 - a. Cleaning the streets and villages
- v. Telemedicine outreach activities**

The institution promote university -neighborhood network and student engagement, contributing to the holistic development of students and sustained community development

The university-neighbourhood network and student engagement is promoted by the university through the following stages.

- a. Curricular components of community services to inculcate the spirit of student participation in all these activities at the field level.
- b. The neighbourhood networking is sustained through linkages with health services
- c. Services through mobile healthcare and mobile telemedicine along with students also facilitate engagement

The institution promote the participation of the students and faculty in extension activities including participation in NSS, NCC, Red cross and other National/International programs

The university has established NSS from its own resources and has launched programs on maintenance of hygiene and tobacco cessation

Community service through media and camps:

Institution encourages its faculty from various departments to participate in television and radio programs and participate in question and answer session by which, the general public is able to clarify their doubts.

The department of public health dentistry has satellite centers in Radhapuram and Nagarcotil where they treat the patients and this hands-on experience is useful for sustained community development.

Schools are adopted as a part and all the dental needs for students are met by the students and staffs.

The involvement of the Community in the college's outreach activities

1. Health Camps
2. Public Health Dentistry

College has received awards for extension activities and / contributions to social /community development.

Development of students from rural/ tribal backgrounds

1. Fees waivers and Fees subsidy
2. Book Bank facilities
3. English communication skills through the language laboratory
4. Entrepreneurship skills through the E- Cell
5. Women Empowerment programs
6. Providing Employment