SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

DASMESH INSTITUTE OF RESEARCH AND DENTAL SCIENCES

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BANGALORE

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Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Percentage of teachers recognized as PG/ Ph.D research guides by the respective University

Response: 17.67

3.1.1.1 Number of teachers recognized as PG/Ph.D research guides during the last 5 years

2020-21	2019-20	2018-19	2017-18	2016-17
18	17	19	14	14

File Description	Document
List of full time teacher during the last five years	View Document
Institutional data in prescribed format	View Document
Copies of Guideship letters or authorization of research guide provide by the university	View Document
Link for Additional Information	View Document

3.1.2 Average Percentage of teachers awarded national /international fellowships / financial support for advanced studies/collaborative research and participation in conferences during the last five years

Response: 0.8

3.1.2.1 Number of teachers awarded national/ international fellowship / Financial support for advanced studies/collaborative research and conference participation in Indian and Overseas Institutions year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
02	00	02	00	00

File Description	Document
Institutional data in prescribed format	View Document
Fellowship award letter / grant letter from the funding agency	View Document

3.1.3 Total number of research projects/clinical trials funded by government, industries and non-governmental agencies during the last five years

Response: 0

3.1.3.1 Number of research projects/clinical trials funded by government/industries and non-government agencies year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Response:

The institute has created a perfect niche for students to develop their skills and for transfer of knowledge to budding dental surgeon of future.The institute evolved an innovative idea of developing peripheral dental clinics as incubation centres for professional enrichment of both, undergraduate BDS students and Post Graduates. Institute manages five satellite clinics cum incubation centres at Sadiq, Bargari, Kotkapura, Modern Central Jail, Faridkot and satellite centre at Rose enclave. Undergraduate BDS students during their internship period are posted at these incubation centres on rotation basis. Every BDS intern gets chance of working in actively in independent set up where they are responsible for developing treatment plan and meticulously follows it during patient care. This way interns gain clinical acumen and develop a sense of responsibility as dental surgeons. This is also a way of serving the rural community as two centres are located in rural areas.

The satellite cum incubation centre at Modern Jain Faridkot is a unique and innovative step. It is one of its kind in whole country where young, budding dentists are serving the inmates. The dental treatment to inmates comes handy, which otherwise is largely ignored. The cases which require special care are looked after by senior Post Graduates on call and appointment basis. Whenever need arises proper arrangements are done taking care of convenience Post Graduate resident students. This is a way of inculcating self-confidence and independent decision-making ability.

In addition, the institute conducts special hands-on workshop for BDS Final year and Post Graduates every year where they hone skills in various suturing techniques by practicing in goat tongue or chicken leg. Special consideration is given to various biopsy techniques during the annual workshop. All students also

undergo rigorous training in wiring techniques meant for the treatment of maxillofacial traumatic injuries on simulator models. This is novel way of learning adopted in addition to traditional methods of teaching.

Furthermore, institute conducts regular workshops on various topics of clinical importance like Rotary Endodontics conducted by Department of Conservative Dentistry and Endodontics, Dental Laser Applications by Department of Periodontics, Casting Techniques by Department of Prosthodontics. These topics are of interest of BDS undergraduates as well as Post Graduate residents. The institute is actively conducting regular Clinico pathological Conferences and seminars on Research Methodology, Bioethics, Research Grant and Plagiarism for promotion of research activities amongst students and Faculty.

File Description	Document
Link for details of the facilities and innovations made	View Document
Link for any other relevant information	View Document

3.2.2 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) Research methodology, Good Clinical, Laboratory, Pharmacy and Collection practices, writing for Research Grants and Industry-Academia Collaborations during the last five years

Response: 115

3.2.2.1 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
21	25	21	25	23

File Description	Document
Report of the workshops/seminars with photos	View Document
Institutional data in prescribed format	View Document
Link for Additional Information	View Document

3.3 Research Publications and Awards

3.3.1 The Institution ensures implementation of its stated Code of Ethics for research. The Institution has a stated Code of Ethics for research, the implementation of which is ensured by the following:

1. **There is an Institutional ethics committee which oversees the implementation of all research**

projects

2. **All the projects including student project work are subjected to the Institutional ethics committee clearance**
3. **The Institution has plagiarism check software based on the Institutional policy**
4. **Norms and guidelines for research ethics and publication guidelines are followed**

Response: A. All of the above

File Description	Document
Share the code of ethics of research clearly stating the claims of the institution duly signed by the Head of the Institution	View Document
Institutional data in prescribed forma	View Document
Any additional information	View Document

3.3.2 Average number of Ph.D/ DM/ M Ch/ PG Degree in the respective disciplines received per recognized PG teacher of the Institution during the last five years.

Response: 2.26

3.3.2.1 Number of Ph.D.s /DM/M Ch/PG degrees in the respective disciplines received per recognized PG teachers of the Institution during the last five years.

Response: 70

3.3.2.2 Number of PG teachers recognized as guides by the Regulatory Bodies / Universities during the last five years.

Response: 31

File Description	Document
PhD/ DM/ M Ch/ PG Degree Award letters of students (with guide's name mentioned)	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.3.3 Average number of papers published per teacher in the Journals notified on UGC -CARE list in the UGC website/Scopus/ Web of Science/ PubMed during the last five years

Response: 0

File Description	Document
Institutional data in prescribed forma	View Document
Web-link provided by institution in the template which redirects to the journal webpage published in UGC notified list	View Document

3.3.4 Average number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedingsindexed in UGC-CARE list on the UGC website/Scopus/Web of Science/PubMed/ during the last five years

Response: 0

File Description	Document
Institutional data in prescribed format	View Document
Link for additional Information	View Document

3.4 Extension Activities

3.4.1 Total number of extension and outreach activities carried out in collaboration with National and International agencies, Industry, community, Government and Non-Government organizations engaging NSS / NCC / Red Cross / YRC / Institutional clubs etc. during the last five years.

Response: 583

3.4.1.1 Number of extension and outreach activities carried out in collaboration with National and International agencies, Industry, community, Government and Non-Government organizations engaging NSS/NCC/Red Cross/YRC/Institutional clubs etc. during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
73	22	210	154	124

File Description	Document
Photographs or any supporting document in relevance	View Document
List of students in NSS/NCC/Red Cross/YRC involved in the extension and outreach activities year-wise during the last five years	View Document
Institutional data in prescribed format	View Document
Detailed program report for each extension and outreach program should be made available, with specific mention of number of students and collaborating agency participated	View Document
Any additional informatio	View Document
Link for Additional Information	View Document

3.4.2 Average percentage of students participating in extension and outreach activities during the last five years

Response: 15.95

3.4.2.1 Number of students participating in extension and outreach activities year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
59	40	70	83	68

File Description	Document
Institutional data in prescribed forma	View Document
Detailed program report for each extension and outreach program should be made available, with specific mention of number of students and collaborating agency participated and amount generated Photographs or any supporting document in relevance	View Document
Any additional information	View Document
Link for additional information	View Document

3.4.3 Number of awards and recognitions received for extension and outreach activities from

Government / other recognised bodies during the last five years

Response:

Total of 67 awards and recognitions are received for extension and outreach activities from government/ other recognized bodies during last 5 years. At Dasmesh Institute of Research & Dental Sciences, we define outreach and engagement as the ways faculty, staff and students collaborate with external groups in mutually beneficial partnerships that are grounded in community service and consistent with our role and mission as a research institute and dental health care provider.

For faculty, outreach rooted in scholarship enhances teaching, research, creative work and service while addressing larger societal issues. For students and staff, community engagement and service projects link campus teaching and learning to civic responsibility and community well-being.For communities like schools, village gram panchayats; partnering with DIRDS increases the capacity to address important oral health issues. At their best, outreach and engagement activities provide significant learning and growth opportunities to faculty, students, staff and partnering communities.

Institution contributed immensely towards the society by regularly organizing oral health camps at rural areas & school dental health camps. Apart from this institution also organizes an annual mega dental & medical camp from the past 24 years under the banner of “S.Gurpreet Singh Doad Memorial Mega Medical & Dental Camp” which enrols more than 1000 patients every year. Institution has already established 5 peripheral (Satellite clinics) centres and adopted villages for oral health care. Till date institution has already adopted five villages and people from those villages are treated under institutional health scheme “MATA SOHAN KAUR DENTAL HEALTH SCHEME”.

Institute worked hard to keep essential dental health services running during challenging COVID 19 pandemic period and quick to establish COVID 19 sample collection and testing center. On 14th June 2020 established a Memorandum of Understanding (MOU) with District Health Authorities for setting up sample collection centre for RTPCR and established the use of rapid antigen tests in Dasmesh Hospital. During this period institution also released a COVID 19 Protocol manual for the proper execution of the guidelines.

Considering the dedication, commitment and contribution towards the society during the pandemic COVID 19 period NGO Ek Koshish honoured DR.SPS Sodhi COVID healthcare Warrior. We are proud of you sir. DIRDS also organized a felicitation event ‘A salute to COVID Warriors’ along with all NGOs of Faridkot where, Mrs.Alka, Laboratory Technician in microbiology department of DIRDS was felicitated for her services.Overcoming the challenges to ensure COVID-19 release its grip on our lives in 2021, DIRDS set the bar for success and vaccination centre was established in 21st January 2021 for providing vaccination to all Frontline workers.

Whether through research projects, teaching activities, civic engagement or service learning, the reciprocal nature of outreach and engagement enriches both our academic mission and the communities we serve. All these years institution efforts are well recognized by NGO’s and non-government organizations and also numerous appreciation and recognitions are rewarded for its services towards the humanity and community.

File Description	Document
Link for list of awards for extension activities in the last 5 year	View Document
Link for e-copies of the award letters	View Document
Link for any other relevant information	View Document

3.4.4 Institutional social responsibility activities in the neighborhood community in terms of education, environmental issues like Swachh Bharath, health and hygiene awareness, delivery of free/ subsidized health care and socio economic development issues carried out by the students and staff, including the amount of expenditure incurred during the last five years

Response:

Awareness plays a key role in our approach to improving access to healthcare. We seek to empower communities, medical professionals and patients with appropriate tools, information and skills so that they can make high-quality, informed decisions on prevention, diagnosis, treatment, care, and support. We often join forces with committed partners to conduct educational campaigns for prevention, early diagnosis and awareness, which also help to build the capacities of dental professionals working in the fields of research, technology and healthcare.

We regularly conduct campaigns, often in collaboration with patient advocacy groups, to raise awareness of various diseases across the community. We focus on those diseases that align with our core competencies, expertise and experience along the health value chain.We conduct in multiple campaigns that enabled us to reach people. Every year demonstrate our commitment to the head and neck cancer community through World No Cancer Day, celebrated on 8th February and No Tobacco Day on 31st May. We reach out to various social group like schools, taxi drivers etc. and organize free dental checkups as well as health talks. World AIDS Day takes place on 1 December each year and is commemorated by holding awareness drive amongst students. We launched a campaign for World Diabetes Day on November 14.

Outreach programs are important tools for bringing screening services directly to community members and serve to contribute to reducing oral health disparities. We organize regular Rural Health Dental Camps and provide free oral check up at the door step of socially and economically weaker sections of the society. Free bus service is provided to the needy patients and their treatment is done at subsidized rates. We have adopted villages under Mata Sohan Kaur Scheme for providing dental treatment to the community.

During the Covid 19 pandemic we collaborated with District Health Authorities for personal training and vaccination. Our team from Microbiology Laboratory was trained in sample collection and dispatching the same for RT PCR evaluation. Vaccination drive for front line warriors including Doctors, Dental Students, Paramedical Staff, Police Personnel and BSF was initiated. Workshop on Hand Washing technique was organized for the Safai Sewaks of the college.

College regularly host tree plantation drives on various occasions in the campus as part of Go-Green initiative. We proudly house 600MW Solar Power Generation Plant for which MoU has been signed with Punjab State Power Corporation Limited (PSPCL). For the treatment of sewage before disposal, we have

Sewage Treatment Plant in campus. The water treated by the STP plant is utilized in watering plants and lawns in the campus. We organized No Plastic Week in the institute to increase awareness regarding bad effects of single use plastics, and subsequently our campus has been declared Plastic Free.

File Description	Document
Any additional information	View Document
Link for details of Institutional social responsibility activities in the neighbourhood community during the last 5 years	View Document
Link for any other relevant information	View Document

3.5 Collaboration

3.5.1 Average number of Collaborative activities for research, faculty exchange, student exchange/ Industry-internship etc. per year for the last five years

Response: 6.8

3.5.1.1 Total number of Collaborative activities for research, faculty exchange, student exchange year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
6	9	12	5	02

File Description	Document
Institutional data in prescribed format	View Document
Documentary evidence/agreement in support of collaboration	View Document
Certified copies of collaboration documents and exchange visits	View Document
Link for Additional Information	View Document

3.5.2 Total number of Functional MoUs/linkages with Institutions/ Industries in India and abroad for academic, clinical training / internship, on-the job training, project work, student / faculty exchange, collaborative research programmes etc. for last five years

Response: 34

3.5.2.1 Number of functional MoUs/linkages with Institutions/ industries in India and abroad for academic, clinical training / internship, on-the job training, project work, student / faculty exchange, collaborative research programmes etc. for the last five years

Response: 34

File Description	Document
Institutional data in prescribed format	View Document
E-copies of the MoU’s with institution/ industry/ corporate house, Indicating the start date and completion date	View Document
Link for additional information	View Document

NAAC