RESEARCH ECOSYSTEM

Sumandeep Vidyapeeth Deemed to be University has established a comprehensive research ecosystem through the Department of Central Research and Innovation (DCRI) to promote scientific inquiry, innovation, interdisciplinary collaboration, and translational research across medical, dental, pharmaceutical, and allied health sciences.

The research ecosystem is designed to support the entire research lifecycle, from identifying research problems and developing proposals to conducting ethical research, translating findings into clinical practice, and generating intellectual property. Through institutional committees, research infrastructure, funding support, mentorship, and collaborations, the university aims to foster a sustainable culture of research excellence among faculty members, research scholars, and students.

Key components of the research ecosystem

1. Research Governance and Administration

The DCRI coordinates research activities in consultation with the Research Advisory Board (RAB) and relevant institutional committees to facilitate research planning, policy implementation, monitoring, and quality assurance.

2. Research Infrastructure and Facilities

Access to laboratory facilities, scientific equipment, clinical settings, and specialized research resources supports fundamental, applied, clinical, and preclinical investigations.

3. Research Capacity Building and Mentorship

Research methodology workshops, faculty development programmes, student research initiatives, and mentorship activities strengthen research competencies and encourage evidence-based scientific inquiry.

4. Research Ethics and Integrity

Institutional ethics committees, academic integrity mechanisms, and applicable regulatory frameworks support the ethical conduct of research involving human participants and laboratory animals.

5. Research Funding and Collaboration

The university encourages the development of competitive research proposals, sponsored projects, consultancy assignments, and collaborations with government agencies, industries, and other academic and research institutions.

6. Innovation, Intellectual Property and Translational Research

Research initiatives promote the development of innovative healthcare solutions, intellectual property generation, technology transfer, and the translation of scientific discoveries into clinical and societal applications.

Research ecosystem framework

Department of Central Research and Innovation (DCRI)

- Central coordination and research facilitation
- Research Infrastructure
- Ethics and Integrity
- Training and Mentorship
- Funding and Collaboration

Research Outputs and Impact:-

- Scientific publications, Intellectual property, Clinical applications, Public health impact, Innovations

Expected outcomes

The research ecosystem aims to:

- Enhance the quality, quantity, and societal relevance of institutional research.
- Promote interdisciplinary and collaborative research across healthcare disciplines.
- Increase participation in externally funded and sponsored research projects.
- Strengthen ethical research practices and regulatory compliance.
- Encourage innovation, entrepreneurship, and intellectual property generation.
- Facilitate translational research that bridges laboratory discoveries and clinical applications.
- Contribute to evidence-based healthcare, public health advancement, and improved patient outcomes.

Through this integrated framework, Sumandeep Vidyapeeth seeks to strengthen its research capabilities and foster a culture of innovation, scientific integrity, and sustainable research development.

I can also prepare a research ecosystem diagram suitable for the university website or NAAC documentation.

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