



SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY'S
R. N. G. PATEL INSTITUTE OF TECHNOLOGY - RNGPIT

(An Autonomous Institute u/s UGC Act 1956)

Approved by AICTE & affiliated to Gujarat Technological University

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Guidelines of Research & Development (R&D) Cell-RNGPIT

A Research & Development (R&D) Cell in Higher Education Institutions (HEIs), emphasize on creating a strong governance structure for strategic planning, fostering collaboration, managing funds, ensuring ethics and building capacity, all aligned with NEP 2020 to strengthen research ecosystems, attract grants, promote innovation and link with industry for societal impact, focusing on core functions like policy formulation, identifying research thrust areas and facilitating funding and IP management.

1. Purpose of the R&D Cell

The Research & Development (R&D) Cell shall be established to:

- Promote a research culture among faculty, researchers, and students
- Facilitate quality research, innovation, and consultancy
- Enhance funded research, publications, patents and startups
- Strengthen industry-academia collaboration
- Contribute to National and societal development

2. Objectives

The R&D Cell shall aim to:

1. Encourage interdisciplinary and multidisciplinary research
2. Support faculty and students in securing research funding
3. Facilitate publications in reputed journals and conferences
4. Promote innovation, IPR, patents and technology transfer
5. Develop collaborations with industry, research organizations and Universities
6. Ensure ethical research practices and integrity
7. Enhance the institution's research visibility and impact



3. Organizational Structure

3.1 R&D Cell Composition

The R&D Cell shall consist of:

- Director (R & D)
- Convenor
- Departmental Research Coordinators
- Different Committee members

4. Functions of the R&D Cell

4.1 Research Promotion

- Identify thrust areas aligned with institutional vision
- Organize workshops, seminars, FDPs and research methodology programs
- Mentor early-career researchers

4.2 Funding and Grants

- Disseminate information on funding opportunities
- Assist in proposal writing, submission and compliance
- Maintain a database of funded projects

4.3 Publications and Quality Assurance

- Encourage publications in indexed journals
- Promote ethical publication practices
- Maintain research output records

4.4 Innovation, IPR and Startups

- Facilitate patent filing, copyrights and trademarks
- Support prototype development and commercialization
- Coordinate with incubation and innovation centers



4.5 Consultancy and Collaboration

- Promote consultancy services
- Establish MoUs with industries and research institutions
- Facilitate joint research projects

5. Research Ethics and Integrity

- Establish and monitor ethical research practices
- Prevent plagiarism and research misconduct
- Ensure compliance with National and International ethical standards
- Conduct ethics training programs

6. Infrastructure and Resources

The institution shall provide:

- Dedicated R&D Cell office space
- Access to laboratories, libraries and digital resources
- Research management software/databases
- Seed money for pilot projects

7. Financial Support

- Annual budget allocation for R&D activities
- Seed funding for faculty and student research
- Support for conference participation, publications, and patents

8. Capacity Building

- Research skill development programs
- Training in proposal writing, data analysis, and IPR
- Industry exposure and internships

9. Monitoring and Evaluation

- Annual research performance review



- Key Performance Indicators (KPIs) such as:
 - Number of funded projects
 - Publications and citations
 - Patents filed/granted
 - Consultancy revenue
- Periodic reporting to academic bodies

10. Documentation and Reporting

- Maintain records of:
 - Research projects and grants
 - Publications and patents
- MoUs and collaborations
- Publish an Annual Research Report

11. Alignment with Institutional and National Policies

- Align R&D activities with:
 - Institutional Vision and Mission
 - National research and innovation policies
 - Accreditation and ranking frameworks

12. Continuous Improvement

- Periodic review of R&D policies
- Incorporation of best practices and stakeholder feedback
- Benchmarking with leading research institutions



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Research & Development Cell Committee Members

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Director

Dr. Latesh B. Chaudhari

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The organisational structure of R&D Cell comprises of various committees for specified functions which are mentioned along with the names of committee members:

Sr. No.	Committee Name	Committee Members
1.	Finance and Infrastructure	Mr. Vivek C. Joshi
		Dr. Amish B. Patel
		Ms. Monali R. Gandhi
		Ms. Pooja K. Patel
		Mr. Hilay N. Prajapati
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		Mrs. Dharmishtha R. Chaudhari
		Dr. Vivekkumar R. Ayre
		Dr. Vani V. Nair
3.	Collaboration and Community	Dr. Kanti B. Rathod
		Dr. Kamalsinh M. Padhiar
		Mr. Mukesh B. Dhangar
		Dr. Asmita C. Patel
		Dr. Ankursinh P. Solanki
		Mr. Yash B. Naik
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		Mrs. Pratibha M. Mangrola
		Dr. Dharmin M. Patel
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		Ms. Lakshmi R. Prajapati
5.	IPR Legal and Ethical Matters	Dr. Himanshu P. Kohli
		Dr. Vishal A. Naik
		Dr. Manish Pathak
		Mr. Kevin C. Shah
		Mr. Priyank H. Patel
		Mr. Ravi M. Sen
		Dr. Ganesh S. Parsai


Dr. Latesh B. Chaudhari

Director

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