



## **RESEARCH & DEVELOPMENT CENTRE INSTITUTE**

### **Vision**

- ❖ To develop students with intellectual curiosity and technical expertise to meet the global needs.

### **Mission**

- ❖ To achieve academic excellence by offering quality technical education using best teaching techniques.
- ❖ To improve Industry - Institute interactions and expose industrial atmosphere.
- ❖ To develop interpersonal skills along with value based education in a dynamic learning environment.
- ❖ To explore solutions for real time problems in the society.

## **RESEARCH & DEVELOPMENT CENTRE**

### **Vision**

- ❖ To be a leading hub of innovation and research, driving transformative advancements in engineering and technology for societal benefits.

### **Mission**

- ❖ Inculcate a dynamic research environment to undertake projects in latest technologies.
- ❖ Facilitate interdisciplinary association and technology transfer to accelerate the translation of research.
- ❖ Foster Industry-academia collaboration to access expertise and innovation to meet the global needs.

### **About R& D Centre**

NPRCET boasts outstanding facilities, encompassing top-notch infrastructure and academic resources. Our institution actively promotes a culture of research engagement among faculty members and students, emphasizing a dedication to societal service. Research and development activities span across diverse domains, including Computation, Energy, Environment, Image Processing, Manufacturing, Telecommunication, Artificial Intelligence, Data Science, Sensor Networks, and Simulation studies.



## **Research Objectives**

To establish a Research & Development Centre is integral to fostering a conducive research environment within the Institute. This center is dedicated to formulating strategic plans for scientific and technological research, overseeing their effective implementation, and delivering specialized administrative and managerial support. It plays a pivotal role in facilitating academic research, sponsored projects, consultancy, and various other research and development activities within the Institute.

## **Research & Development (R&D) Activities**

The proposed Research and Development activities include:

1. Managing and utilizing research funds approved by the management.
2. Providing financial support to faculty and students.
3. Engaging in conferences, seminars, workshops, symposiums, FDP, etc.
4. Monitoring research publications for citations in refereed journals.
5. Establishing a Center of Excellence within the institute.
6. Facilitating the registration of PhD programs for faculty in recognized institutes and universities.
7. Verifying the plagiarism of research papers prior to publication.
8. Crafting and submitting research proposals to funding agencies.
9. Conducting awareness programs on Intellectual Property Rights (IPR) and assisting in the preparation and registration of IPR.
10. Disseminating information on research proposals to funding agencies.
11. Formulating and submitting research proposals.
12. Authorizing initial funds for the filing of patents and copyrights.
13. Providing initial funding for prototype projects, fostering innovation, and supporting incubation initiatives.
14. Approving funds for participation in competitions.
15. Organizing and participating in Hackathons, expert lectures, and workshops.

## **R&D Activity Guidelines**

The proposed guidelines for Research and Development activities are outlined below:

1. Faculty members are required to submit a minimum of one proposal to any funding agency annually.
2. The Head of the department is responsible for follow-up and record maintenance.



3. Departments are mandated to establish Memoranda of Understanding (MoU) with research organizations or industries.
4. All research proposals must be routed through the Principal to reach the management for approval.
5. Institute name should be included as the place of research in all research publications.
6. The institute's name must be listed as the address for all registered Intellectual Property Rights (IPR).
7. Authors are obligated to submit a plagiarism report to the R&D Cell prior to application.
8. Faculty members must submit a report and conduct presentations for both students and faculty.
9. Proof of attendance and certificates of participation must be submitted to the R&D Cell.
10. Advances may be granted up to 50% of expenses on a case-by-case basis.
11. Advances must be settled with the accounting section within 15 working days.
12. Copies of Conference Proceedings/Learning Materials must be provided to the library.
13. Faculty members are required to apply for Official Duty (OD) through the proper channel in advance.
14. Reimbursement of expenses will be granted to the first author only.
15. Prior permission is mandatory for attending Conferences, Workshops, FDP, etc.

#### **Prior Permission Procedure**

Faculty members seeking prior permission for participation in R&D activities should adhere to the following guidelines:

1. The application for participation must provide a proper justification.
2. The application should be forwarded through the respective Head of Department and Principal.
3. Attach the application with the relevant brochure/leaflet.
4. Include the invitation or acceptance letter/email.
5. Provide a detailed breakdown of probable expenses for management approval.
6. Attach a copy of the paper/patent/copyright in PDF format.
7. Include the generated plagiarism report with the proposal.
8. Expenses incurred without prior approval will not be accepted.



## Reimbursement Claim Procedure

For reimbursement after an R&D event, please adhere to the following guidelines:

1. Include the prior approval letter/email from the president.
2. Provide a detailed list of expenses with an itemized breakdown and mention any advances taken, if applicable.
3. Attach a copy of the participation certificate.
4. Submit a comprehensive report on the entire program, including a summary and conclusion.
5. Include the acknowledgment from the library for the submission of papers/proceedings/study materials.

## Financial Support and Incentive Scheme

Support and Incentive Initiatives for Faculty and Students to Enhance R&D Activities include:

S/N	Particulars	Incentive	Condition
1	Submission of Research Paper to referred journals	Registration Fees (Max up to Rs.3000/- )	Web of Science, Scopus, IEEE, Springer, ACM
2	Submission of Research Paper to indexed journals	Registration Fees (Max up to Rs.2000/- )	UGC Approved Journal
3	Submission of Research Paper to conferences at top institutes	Registration Fees (Max up to Rs.2000/- )	At IIT, NIT, IIIT, IISc
4	Submission of Research Paper to conferences at NBA/NAAC Accredited Institute	Registration Fees (Max up to Rs.2000/- )	Any other Institute, deemed to be University
5	Attending National/International Conference	Duty Leave to the First author	Minimum one year service of the faculty
6	Membership of Professional body/Organization	25% of Membership fees	Minimum two years' service of the faculty
7	Purchase of Book for the library	100% Reimbursement	Book must be for the library
8	After Copyright awarded	25% of Registration fees	Once in a Semester
9	Filing a Patent	25 % of Registration fees	Once in a Semester
10	Award of patent	Rs.5000/-	Institute name in the awarded patent
11	Indian Patent Filing	100% of Registration fees	Institute name in the awarded patent
12	Research Publication in referred journals	Rs.2000/-	After publication with DOI



# NPR

## COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai | Accredited by NAAC with 'A' GRADE  
Recognized by UGC under 2 (f) | ISO 9001:2015 Certified | Web: [www.nprcolleges.org](http://www.nprcolleges.org) | E-Mail: [nprcetprincipal@nprcolleges.org](mailto:nprcetprincipal@nprcolleges.org)  
NPR Nagar, Natham - 624 401, Dindigul Dist, Tamil Nadu. Ph: 04544 - 246500, 501, 502.



13	Convener of conduction of International Conference	Rs.3000/-	After the successful conduction of conference
14	Convener of conduction of National Conference	Rs.2000/-	After the successful conduction of conference
15	Author of textbook with International Publisher	Rs.3000/-	After the successful publication
16	Faculty main coordinator of FDP/STTTP/STP (Min 5 days)	Rs. 2000/-	After the successful completion
17	Award of NPTEL/SWAYAM Certification with Gold/Silver Certification	50% of Examination Fees	After the successful completion
19	Award of NPTEL/SWAYAM Certification with Elite Certification	25% of Examination Fees	After the successful completion
20	Award of Professional Certification of Technical Competency	100% of Examination Fees	After the successful completion
21	Post-doctoral Study	Study Leave with 50% Salary	Minimum two years' service of the faculty
22	PhD registration	Study Leave for Coursework and progress presentations	Minimum one year service of the faculty
24	Seed Money for research projects	As Approved by the Management	Proper justification & Recommendation of HoD and Principal
25	Financial Grant Received	5% to PI, 5% to Co-PI,	Prior approval of management for expenditure against Grant Received
27	Seed Money for innovation and incubation	As per the Proposal through proper Channel	Valid justification and approval of management is necessary

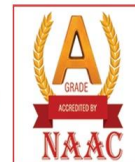


## RESEARCH ADVISORY BOARD

The formation of the Research Advisory Board (RAB) at NPR College of Engineering and Technology is aimed at fortifying the research environment, elevating the level of scholarly pursuits, and fostering the expansion of research programs. The Research Advisory Board is composed of the following members:

S. N	Name	Address	Particulars
<b>Internal Members</b>			
1.			Chairman
2.			Management
3.			Member
4.			Member
5.			Member
6.			Member
<b>External Members</b>			
7.			Member
8.			Member
9.			Member
10.			Member





## **ROLES & RESPONSIBILITIES**

- ❖ The Research Advisory Board (RAB) plays a key role in guiding the establishment of a research-friendly environment, ensuring the availability of cutting-edge infrastructure at the Institution's recognized research centers.
- ❖ The RAB is constituted by the Director, with the Principal serving as the Chairperson, the Dean of Research and Development, three internal members, and four external members. External members are selected from scientific R&D labs, industries, and academic leadership, possessing research expertise in emerging fields relevant to the specializations of each research center. Members serve a three-year term.
- ❖ The RAB is scheduled to convene once per semester or as necessary.
- ❖ The RAB will annually assess R&D proposals and collaborative outreach projects, with additional half-yearly meetings for ongoing reviews.
- ❖ The RAB will offer recommendations for extending Institutional Seed Money support to R&D project ideas, evaluating their scientific merits, including objectives, study feasibility, the principal investigator's track record, and anticipated outcomes. These recommendations align with the Institution's short-term strategic plan.
- ❖ RAB members will offer critical and constructive feedback to research supervisors, focusing on the progress and achievements of research scholars.