

Research Policy



ROHINI

COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE and Affiliated to Anna University, (An ISO Certified Institution)

Rohini College of Engineering and Technology (RCET) is a research focused Technical Institution. The Institution has taken efforts to encourage the faculty and students to do the projects in innovative way and find the new technology which leads to the development of entrepreneur or transfer the technology to the industry. To build a strong Research and Innovation Ecosystem to improve the quality of Research and Innovation in the institution in line with the Vision and Mission of the institution. To encourage the students and members of the faculty to involve in inter-disciplinary and multi-disciplinary research. To realize sustainable development goals and in the process, find solutions for societal problems. Product Development Center (PDC) was constituted to strengthen research activities, enhance industry interaction and to foster industry relevant research.

AIMS AND OBJECTIVES

- ❖ To enhance the research awareness among faculty by organizing discussions with eminent researchers and conducting national and international conferences, seminars, symposia, faculty development programmes and workshops on research methodology, IPR and patenting
- ❖ To motivate faculty to pursue doctoral and post-doctoral assignments at various national and international universities and organizations of repute.
- ❖ To encourage faculty to undertake research projects in thrust areas in science and engineering funded by various national and international agencies
- ❖ To establish Centers of Excellence in thrust areas.
- ❖ To set up the Incubation Centers to motivate innovations and startups.
- ❖ To publish the research works in renowned journals.
- ❖ To motivate and mentor students to participate in various Hackathons and International contests.
- ❖ To develop products and file IPR.

RESEARCH POLICY IMPLEMENTATION MECHANISM

The specific roles and functions of the research cell will be as follows:

- Facilitate the faculty in undertaking research and will work with the college management to set up a research fund for providing seed money.
- Provide research facilities in terms of laboratory equipment, research journals and research incentives etc. required by the faculty.
- Encourage and promote a research culture (e.g. teaching work load remission, opportunities for attending conferences etc.).

- Encourage the faculty to undertake research by collaborating with other research organizations/ industry.
 - Organize workshops/ training programmes/ sensitization programmes to promote a research culture on campus.
 - Prepare budgets for facilitating staff/students' research projects.
 - Approach National and international organizations to fund major and minor research projects undertaken by the faculty / students
 - Make efforts to improve the availability of research infrastructure requirements to facilitate research.
 - Develop and implement an official Code of Ethics to check malpractices and plagiarism in research.
 - Facilitate Interdepartmental / interdisciplinary research projects.
 - Institute research awards.
 - Create incentives for the faculty who receive state, national and international recognition for research contributions as well as research awards and recognition from reputed professional bodies and agencies.
 - Encourage and promote the publication of research articles by the faculty in reputed/ refereed journals.
 - Create and maintain a database of research work and research projects undertaken by the faculty and students.
 - Prepare Guidelines for design and evaluation of curriculum-oriented research projects.
- Research Facilities Available Research Facilities: The Research Facilities provided by the institution are constantly updated and upgraded to foster and promote Research Culture in the campus

RESEARCH AND DEVELOPMENT CELL

The R & D cell comprises of faculty members from various departments in the Institution. This committee oversees the smooth and efficient co-ordination of research and development activities in the Institution, thus fostering overall growth. The members will contribute towards enhancing research and development at Rohini College of Engineering and Technology

- The R & D Committee will plan, promote & evaluate R&D activity like funded R&D projects and consultancy projects at the Institution level.
- The members meet once in a month to discuss the status of ongoing projects, sets target for every year and devise plans to achieve the target.

- The R&D cell measures the attainment of achievements and recommends the performer for appreciation and incentives.
- Research colloquium will be conducted on every month
- A senior faculty heads this cell in the capacity of R & D Coordinator, with the Principal providing advisory support.
- Each department has the department R& D Coordinator who will monitor the R& D activities of the department.
- The faculty of the departments will be grouped into clusters based on their interest and they will be allotted projects pertaining to their area of expertise.

RESPONSIBILITY OF THE RESEARCH AND DEVELOPMENT CELL

- ✚ To encourage and motivate faculty for submitting proposals to externally funded research and development projects.
- ✚ To support interdisciplinary and multidisciplinary research, product design and development, publications in national and international journals of high standing.
- ✚ To initiate and promote MoU with industries and R & D organizations for consultancy and collaborative research.
- ✚ To conduct seminars, workshops, conferences and training programmes for inculcating research culture among faculty.
- ✚ To encourage faculty to deliver talks and be resource person for various events like seminars, workshops, conferences and training programmes.
- ✚ To visit R&D organizations and disseminate information regarding the effective implementation of research projects.
- ✚ To suggest peer reviewed national and international journals for subscription in central library.
- ✚ To motivate students to present technical papers in National and International conferences and display projects in competitions and exhibitions.
- ✚ To depute faculty for seminars, workshops, FDPs and conferences in order to upgrade their knowledge.

FUNDED PROJECTS AND CONSULTANCY WORK

The general guidelines for faculty engaging in research, development and consultancy are as follows:

- ✓ Every research proposal shall pass through a multi-tier review, where the proposal shall first be reviewed by the Principal Investigator/ Co- Investigator and then by the concerned Head of the Department / experts in the department. This may be followed

by review by eminent researchers in the field. The proposal shall then be vetted by the R&D committee before submission to the funding agency.

- ✓ All applications related to R&D shall be routed through the principal along with one hard copy for R&D records.
- ✓ A soft copy shall also be emailed to the R&D coordinator, department R&D cell and also to the Head of the Department.
- ✓ Separate stock registers shall be maintained for the entire R&D for the externally funded projects in every department.
- ✓ Purchase of equipment, software and submission of the audit report thereof shall follow the Finance Officer guidelines.
- ✓ Principal Investigator and Co-Investigator shall ensure that the equipment and software purchased are maintained in the laboratory/ department and shall be entered in the stock register.
- ✓ The entire sanctioned amount shall be utilized as per the guidelines of the funding agency.
- ✓ In case the Principal Investigator leaves the Institution, all the items purchased shall remain as an asset of the Institution.
- ✓ All Heads of the Department must regularly and diligently update the R&D information on the Institution website for department and give reports to R&D team.

PRINCIPAL INVESTIGATOR (PI)

Principal Investigator (PI) of a sanctioned project is considered to be the prime interface between the funding agency and is the operational head of the project. The PI is advised to keep the whole project team aware about the progress of the project and involve the Co-PIs in all related project activities. In his/her absence, the PI may request any of the Co-PI to take-over the responsibility of running the project.

PROGRESS REPORT SUBMISSIONS

The faculty members eligible for R&D incentives shall submit the report with supporting documents to the respective Head of the Department every year. The Head of the Department along with some senior faculty members shall then carry out a rigorous scrutiny at the Department level and ensure that their recommendations reach the R&D cell.

ACADEMIC RESEARCH POLICY

- ❖ Faculty of each department shall conduct research in focus areas of research.
- ❖ Faculty publication in either WEB OF SCIENCE or SCOPUS indexed journals are appreciated with appropriate incentives. The publication target has been set as

✚ Doctorates: 1 Web of science and 1 Scopus publication

✚ Non- Doctorates: 2 Scopus indexed journals.

All publications and research papers of faculty have to go through plagiarism check.

- ❖ Term papers of B.E/ B.Tech and M.E/ MBA projects shall be research focused.
- ❖ Every project shall lead to at least one research publication in a journal indexed in SCOPUS or WEB of SCIENCE.

SPONSORED AND INTERNAL RESEARCH RELATED POLICIES

- Faculty shall apply for a minimum of one government funded project.
- All departments shall strive for recognition by National/International agencies through schemes/funding from agencies such as AICTE, DST, UGC, ICMR and DRDO.
- Faculty are encouraged to identify inter-disciplinary research in their field of expertise.
- The university shall create special research groups to concentrate on research in government listed areas.
- All innovative projects of faculty are earmarked for filing patents on successful completion. Suitable recognition and incentives are given to those faculty members with patents.
- Norms are fixed to pay expenses towards procurement of equipment to those faculty members working on funded projects.
- Consultancy assignments must have a letter from the organization, clearly mentioning the work to be carried out, period and value of consultancy and the benefit of the consultancy to the Institution - both intellectually as well as financially. Proof of expenditure must be maintained by the consultancy in charge.

Meritorious research work/consultancy by faculty is awarded with monetary incentives. The management will suitably reward the recommended projects during the college day and through the incentive scheme. Based on the cell's recommendation, financial incentives is given for deserving cases.