

**NATIONAL ENGINEERING COLLEGE, K.R.NAGAR, KOVILPATTI-628 503**  
(An Autonomous Institution Affiliated to Anna University, Chennai)

**Research and Development Policy**

National Engineering College (NEC) was established with a vision, '**Transforming lives through quality education and research with human values**'. The Institute has developed excellent facilities, both in terms of infrastructure and scholastics. NEC encourages faculty members and students to undertake sponsored research projects with a commitment to serve the society. Research and development is carried in several areas like Computation, Energy, Environment, Image Processing, Materials, Manufacturing, Nanotechnology, Telecommunication, and Sensor Networks and Simulation studies. Six departments of NEC have been recognized as research centers by Anna University, Chennai.

*Regulations relating to the Degree of Doctor of Philosophy (Ph.D) and MS (By Research) in the related Faculties of Engineering and in Science and Humanities of NEC are as per the Regulations for Ph.D and MS (By Research) prescribed by the Anna University, Chennai.*

**1. Research and Development (R&D) Centre:**

To achieve high quality research ambience in the Institute, a Research & Development Centre is set up with the objective of developing the strategic plan for scientific and technology research and ensuring the implementation of such plans. The R&D Centre provides specialized administrative and managerial support for the operation of academic research, sponsored research, consultancy and other R&D related activities of the Institute. This Centre was established in 2011 as per the decisions taken by the Academic Council.

**2. Academic Research**

**2.1. Doctor of Philosophy (Ph.D.) and Master of Science (M.S.) by research**

- i. A candidate should register at NEC research centre on getting provisional registration letter from Anna University.
- ii. Ph.D/M.S candidates should present their research progress before the review committee constituted by the concerned department once in six months.
- iii. Faculty members with Ph.D are advised to get supervisorship from Anna University, Chennai.
- iv. Maximum of 8 Scholars are permitted to do research under a supervisor.
- v. The Research scholars are encouraged to publish their research works in reputed SCI indexed journals after getting the approval from their supervisors.
- vi. Research Supervisors are advised to submit the research articles to the journal only after checking the Plagiarism.

**2.2. Institution Fellowship:**

The enrollment of full-time research scholars plays a vital role in enhancing the quality of research in the institute. In support of our vision and to strengthen the quality of research and development in all our research centers, Institution Fellowship Scheme is implemented exclusively for full-time Ph.D.

Scholars. The institutional research fellowship of Rs.10,000/- per month is given to the Ph.D. Scholars. The institutional fellow has to abide by the Research policies of NEC.

### 2.3. Incentives for Publications:

In order to motivate the faculty members towards research and publishing their research findings in reputed journals with impact factor, incentives are given to faculty members.

Publications with Impact Factor (Clarivate Analytics)	Incentive Amount (Rs.)
1.5 and above	10,000
0.5 and above and less than 1.5	5,000
Less than 0.5 but more than 0.1	2,000

### 3. Sponsored Research

#### 3.1. Recruitment of a project staff:

- i. All the appointments related to projects (Junior research fellow/Senior research fellow/Research Assistants/Institutional Fellow) will be contractual and on the basis of consolidated monthly emoluments prescribed by the Sponsoring Agency or the institute.
- ii. The tenure of appointment of a project staff will be for the duration of the project.
- iii. The Project staff shall execute a contract agreement on non-judicial stamp paper of value at least Rs. 100/- at the time of joining. The contract may be terminated by either side (Staff or R&D Unit) by giving three months notice or three months consolidated emoluments in lieu of the notice.
- iv. The selection of project staff shall normally be made as per the guidelines provided by the sponsoring agency and with the approval of Principal through the Dean (R&D).
- v. The project staff may be allowed to register for Full-time MS (By Research)/Ph.D programme, if he/she fulfills all the requirements prescribed by the Institute.

#### 3.2. Salary and Allowances:

- i. A separate book of accounts shall be maintained for each project.
- ii. Overhead charge of the project will be transferred to the 'Funded Project' account.
- iii. Accounts for sponsored projects shall be maintained under five broad budget heads. They are: Salary, Equipment, Contingency & Consumables, Travel and Institutional Charges (Overhead). Minor adjustment in approved budget heads may be permitted by the Principal without violating the norms of funding agency.
- iv. Principal Investigators (PIs) shall arrange to maintain Procurement-cum-purchase Registers and Stock/Asset Register.
- v. Cash advance shall be drawn in the name of PI/Co-PI of the project.
- vi. All expenditures shall normally be made within the proposed date of completion of the project. Exception may be permitted with the consent of the sponsor.

### 3.3. TA and DA Rules:

The Government of Tamilnadu TA & DA rules will be applicable to the PIs and project employees for all sponsored research/consultancy projects related travelling and boarding expenses.

### 3.4. Accounting and Financial Supports

#### Benefits to PI/CoI:

- i. Within the framework of a sponsored project, PIs shall be permitted to have consultancy fee/honorarium, if the sponsor so approves.
- ii. Depending on availability of funds under Travel head and with the approval of the Principal, expenses (TA, DA, Registration Fee, etc.) for presenting papers in National Conferences in fields relevant to the project shall be given to PIs/CoIs from the project fund.
- iii. On recommendations of PIs and with the approval of Principal, project staff and students in the projects may be permitted to present papers in conferences. If funds are available under Travel head, then TA, DA and Registration Fee support may be provided.

### 3.5. Incentives for Projects Funded by Sponsoring Agency:

In order to promote research environment and activity of the Institute and motivating the researchers, incentives are given to the faculty members, who have Projects sponsored by sponsoring agencies. 50% of the Overhead charge defined by the Agency is given as Incentive to the PI and CoI of the project.

### 4. Consultancy and related Services:

In order to promote Industrial Consultancy activities in the Institute, the following Institutional charges shall be applicable:

Category	Activity	Institute's Share as a % of consultancy cost
I.	Projects requiring use of Laboratory and other facilities of the Institute	50 Percent
II.	Projects that do not use Institute's Facilities	40 Percent

On completion of the work, the honorarium on approval of the Principal may be distributed on a case by case basis or periodically.

### 5. Faculty Development & Research Interactions:

To get expertise in specific domain and promote the research interest, NEC is providing full financial help (Registration/course Fee and TA/DA) to faculty members attending International Conference/Seminar in abroad and in India, GIAN Courses and Research Workshop/Industry Know How. A faculty can avail these benefits once in an academic year. TA/DA and Honorarium is allowed for the experts coming to NEC for Research Interactions and Collaborative Research works.

### 6. Code of Conduct:

The following are the codes of conduct which express the ethical values to be practiced by all staff engaged in academic and/or sponsored research activities at NEC.

- i. To abide by all the appointment related terms and conditions as approved by Principal.

- ii. To maintain secrecy of the research findings/technical information and to avoid communication of any official document or information to others without permission.
- iii. To commit no form of plagiarism during art-of-work and preparation and dissemination of reports and research articles.
- iv. To practice and promote fairness in research.
- v. To uphold the values of freedom, democracy, equality and respect for diversity.

In case of any breach of code of conduct by any project employees, the Principal may constitute committee of enquiry to initiate disciplinary proceedings against those employees.