



NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY (Autonomous)

An ISO 9001:2015 & 14001:2015 Certified Institution, Affiliated to Anna University, Chennai
Approved by AICTE, New Delhi, Recognized by UGC with 2(f) & 12(B)
Re-accredited by NAAC "A+", NBA Accredited (UG Courses: AERO & CSE)
Nehru Gardens, Thirumalayampalayam, Coimbatore – 641 105



Research and Development Cell

Composition of Research and Development Cell

S.No	Name	Designation	Department	Role
1.	Dr.P.Maniarasan	Principal	Aeronautical Engineering	Chairman
2.	Dr.R.Deepa	Director-IQAC	ECE	Vice chairman
3.	Dr.R.Kannan	Professor & Head	EEE	Dean (Research)
4.	Dr.K.Sathish kumar	Professor	Aeronautical Engineering	Research Coordinator
5.	Dr.P.Periasamy	Associate Professor	Physics- S&H	Joint Research Coordinator
6.	Prof. G Kalpana	Assistant Professor	AI&DS	Member
7.	Prof.J.Ruby Elizabeth	Assistant Professor	CS&BS	Member
8.	Prof.M.S.Vinu	Assistant Professor	AI&DS	Member
9.	Dr.M.A.Raja	Professor	ECE	Member
10.	Dr.R.Anand	Associate Professor	EEE	Member
11.	Dr.V.M.M.Thilak	Assistant Professor	Mechanical Engineering	Member
12.	Dr.S.P.Arunkumar	Assistant Professor	Mechatronics Engineering	Member
13.	Dr.S.Shanthi	Assistant Professor	MBA	Member
14.	Dr.K.Edison Prabhu	Assistant Professor	EEE	Member
15.	Prof.S.Venkatesh	Assistant Professor	CSE	Member
16.	Prof.T.Cowsalya	Assistant Professor	IT	Member



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Research Policy

The research policy of Nehru Institute of Engineering and Technology aims to create and support a research culture among its teachers and students and leverage it for enriching and enhancing the professional competence of the faculty members. It also promotes the scientific temper and research attitudes of all learners leading to the realization of the vision and mission of the college. It also aims to ensure that the research and development activities of the college conform to all applicable rules and regulations as well as to the established standards and norms relating to safe and ethical conduct of research

The management is desirous of making a quantum jump on its Research and Developmental front. Quality Research coupled with integrity and loyalty is the mantra for all developments. Every research project should be outcome based, be it big or small ultimately leading to the development of new products or processes with an objective of patenting.

The incubation centres, New Gen-IEDC projects and Seed Money projects are to be fully availed by the faculties. Extreme focus is emphasized on research publications in international Peer reviewed top ranking journals.

Faculties are encouraged to speed up their higher studies or guideship from the affiliated universities. Faculties are motivated to utilize the incubation facilities under Nehru Group of Institutions. It is desired that every faculty who have doctoral degree should hold a minimum of one funded project from State / National Funding Agencies.

Faculties are duly motivated to identify and take up inter disciplinary research in their chosen field of specialization.

Scope of the Research Policy:

This policy is applicable to all the research and development activities of the college with the following scope of research:

Honesty in all aspects of Research

- ❖ Research and development activities related to the basic and applied research undertaken for fulfilling academic requirements or for solving industrial problems
- ❖ Publication, presentation and communication of the research outcomes and related activities
- ❖ Filing of patents based on the research outcomes
- ❖ Innovative ventures related to the generation of new ideas and leading to the inventions of productive knowledge and expertise
- ❖ Compilation and communication initiatives for keeping abreast of academic developments in any knowledge domain such as writing of text books, chapters of textbooks, laboratory manuals, monographs including the process of updating curriculum
- ❖ Undertaking sponsored research projects funded by various central as well as state government funding agencies and industries
- ❖ Offering consultancy to industries including process improvement and product development

Institutional Policies on Financial Assistances:

Conferences / Seminars / Symposium / workshops participation within India:

The faculty shall be permitted to participate in Seminars / Conferences / Symposium / Workshops organized within India and are entitled to claim the registration fee subject to a maximum of Rs.2000/- per event.

The management will also reimburse 50% of the cost on TA and DA (Subject to a maximum of Rs.7000/-). Every faculty member can avail the facility twice in a year. This facility is applicable to only standard conferences like IEEE, Elsevier, Springer and ASME, etc.

The quality of event will have to be assessed by the committee and the faculty has to submit a detailed report of the work. The approval for the above is subject to the consent of the Head of the department, Principal & the Executive Director-NGI.

Conferences / Seminars / Symposium / workshops participation outside India:

In respect of participating in conference / seminars / symposium / workshops outside India. The management will provide the additional OD leave required for the purpose.

Eligibility criteria for the claim:

- ❖ He/she should be an outstanding researcher of the Institution
- ❖ Faculty member should have put in a minimum of One-year service at the Nehru Institute of Engineering and Technology
- ❖ The Faculty should have submitted research paper through the Principal / Executive Director/Management and it should have the acceptance by the organizers of the Conference / Seminar for the presentation either oral/poster.
- ❖ The paper should finally have indexed in a Scopus / Web of Science
- ❖ The Proposal for participation should be submitted along with a copy of the article, the letter of acceptance and the letter of invitation for presenting the paper.
- ❖ In case of joint publication, only the Corresponding author / First author is eligible.
- ❖ The paper should have the quality clearance by the internal expert committee duly constituted by the Head of the department / Principal.
- ❖ The proposals should be submitted in the format prescribed and with the recommendations of the HoD / Principal.
- ❖ The claim bill should invariably accompany the original bills of registration fees, travel and lodging receipts.
- ❖ The Faculty Should also submit undertaking that he/she will serve for the Nehru Institute of Engineering and Technology for a minimum of one academic year post participation.
- ❖ Registration fee up to Rs. 10,000 /- and 50% of TA shall be paid by the institutions. Maximum of two faculty members in a year can avail this facility.

Book Publications – International:

For Text / Reference books authored by a single faculty, published by a reputed international publisher

(Tata McGraw hill, Practice Hall, Wiley Eastern ltd, etc.) The author is eligible for a lump sum incentive of Rs. 10,000/-. However, if the number of authors are more than one the same amount shall be divided among the faculties. Besides this, the management will issue a certificate of appreciation for quality publications.

Books – National:

For text and reference books authored by a single faculty, published by a reputed national publisher, the author is eligible for a lump sum incentive of Rs:6000/-. Publishers should be a reputed agency.

Books – Local:

For Text/ Reference books published by local publisher and authored by a single faculty, the author is eligible for an incentive of Rs.3000/-. If the books are authored jointly by two faculties, the First author will be eligible for an incentive of Rs.1500- and the second author Rs.1500/-. In case, the books are authored jointly by more than two faculties, the total amount shall be shared by them

Articles – International:

For the publication of works in reputed International Journals (SCI/Scopus/WoS/UGC Care) the author is eligible for an incentive of Rs.5000/- for a single authored paper. In case of joint publication by two authors, the first author will be eligible for an incentive of Rs.3000/- while the second author is eligible for Rs.2000/- Articles authored by more than two faculties, the amount shall be shared by them.

Articles – National:

For publishing the works in reputed National Level Journals (SCI/Scopus/WoS/UGC Care) the author is entitled for an incentive of Rs.3000/- if it is a single authored paper. If the paper is written by two authors, the first author will be entitled for an incentive of Rs.2000/- while the second author for Rs. 1000/-. In case of papers published jointly by more than two authors, the first author is entitled for an incentive of Rs,1500/- while the second and subsequent authors will be entitled for Rs.750/- each,

If the paper publications charges in all the above cases are borne by the management, then the above mentioned incentives stands cancelled. The incentives mentioned above are applicable to the articles published by UG & PG students also. In addition, the management will issue a certificate of merit to the student.

Eligibility Criteria for the claim:

- ❖ The faculty should have put in a minimum service of one year at the Nehru Institute of Engineering and Technology
- ❖ All publications and research papers should have the quality clearance by an internal expert committee duly formed by the management. (Plagiarism check is the must)
- ❖ The manuscript of the articles / books should have forwarded through the concerned HOD and principal
- ❖ A copy of the manuscript of the article / book should be submitted to the institution
- ❖ Publications in either Science Citation Index (SCI, Web of Science(WoS), SCOPUS Indexed and UGC Care journals will only be considered for the incentive.
- ❖ All the papers should have copyright form and to undergo Plagiarism check.
- ❖ Author should also give an undertaking to the management that he/she will serve to the Nehru Institute of Engineering and Technology at least for a period of one year after receiving any such incentive.

Patent:

The management will be very much happy to encourage Research / Innovations / Patenting. A lump sum amount of Rs. 20,000/- will be provided as incentive for each patent granted. If the patent development is done jointly, the faculties will equally share the amount within them. The proposal for claim should contain all such necessary supporting documents and should be forwarded through the HOD and the Principal concerned

If the patent filing expenditure is borne by the management then the incentive may be withdrawn.

External Funding:

The management will be pleased if the faculty brings in external funding. For projects exceeding Rupees one lakh funding, the faculty is entitled for an incentive of 2% of the total grant obtained. However, the incentive is limited to a maximum of Rs. 25,000/-. The proposal for claim should be accompanied by the sanction certificate and all such supporting documents.

The internal or the Seed Money projects or any project funded by Nehru Institute of Engineering and Technology are not entitled for this incentive.

PG Research Scholars and Ph.D Scholars:

Candidates admitted to M.E./M.Tech. and Ph.D. Programme on a full time basis should maintain a minimum of 75% attendance which includes short term trainings, workshops, seminars, and conference etc., attended by them duly recommended by the guide/supervisor and with the prior approval of the HoD/Principal concerned.

Part Time Ph.D. candidates shall report to the Supervisor at least thirty days in an academic year. This period may include public and other holidays. In case of shortage of attendance for a candidate due to availing of leave on medical grounds, his/her minimum period of research shall be extended accordingly but within the maximum eligible period of research

The scholars shall be permitted to undertake research jointly with the experts from outside colleges / industries with the approval of the research guide and with the permission of the Principal concerned by submitting the on duty forms.

Each Ph.D. scholar has to undergo course work by physically attending the classes

The guide and the research scholar are advised to see that every PG/ Ph.D. / research projects leads to at least one quality research publication in a highly indexed National / International Journal in a year.

It is also desired that all under graduate research projects of the final year students should be converted into a reputed journal paper (UGC Care etc.,)

Institutional Support through infrastructure:

For projects of internal nature, the management may consider providing seed money through the processing of eligible and beneficial projects. The management will provide the available basic infrastructure facilities of Nehru Institute of Engineering and Technology for both internally funded projects as well as externally funded projects.

Rules and regulations:

- ❖ In all the above cases, the decision of the management will be final. The scrutiny, screening and selection will be done by the management as per the norms and procedures formed from time to time.
- ❖ All the above incentives are applicable only to regular employees of 'Nehru Institute of Engineering and Technology and not for faculties engaged on contract basis or as visiting faculties.
- ❖ Each faculty is expected to register their proficiency at least in areas like Patent, Research Publications, Funded Project, Seed Money Project, Incubation Centre etc.
- ❖ No publication in fake journals will be counted for any recognition or reward.
- ❖ Before submission of a Thesis for M.Tech. or Ph.D. the candidate should make a presentation of his/her work in a meeting of all faculty members concerned for a thorough discussion, in the presence of the guide and the HoD.
- ❖ Contribution of faculty members in all these areas shall be one of the yard stick for considerations of annual increment or appraisal.