

Nagarjuna College of Engineering and Technology

Bengaluru - 562 164. Web: <https://ncet.co.in>.

An Autonomous Institution under VTU. NAAC Accredited with A+ Grade



RESEARCH PROMOTION POLICY

Version 2.0

(As Approved in 15th GB Meeting held on 20.12.2023)

(Applicable w.e.f 01.01.2024)

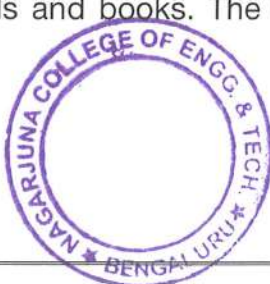
Research Promotion Policy

Nagarjuna College of Engineering and Technology is committed to promoting scientific temper and research aptitudes among faculty members, research scholars and students. The research policy aims to realize the vision and mission of the college by contributing in areas of academic, practical and socially relevant significance. It also aims at ensuring that the research activities conform to the safe and ethical conduct of research. The institution is committed to provide required monetary and infrastructural support towards promotion of research and building a strong research ecosystem.

ABOUT THE INSTITUTION

VISION	Leadership and Excellence in Education
MISSION	To fulfill the vision by imparting total quality education replete with the philosophy of blending human values and academic professionalism
Quality Policy	Nagarjuna College of Engineering and Technology (NCET) shall be maintained, as an “Institution of Excellence”, in the domains of Engineering, Technology, and Management studies through continual improvement of systems, processes, and academic professionalism

Nagarjuna College of Engineering and Technology (NCET), a self-financing engineering college, was started in the year 2001 under the aegis of Nagarjuna Education Society, Bangalore. Nagarjuna Education Society (NES) was established in 1995 under the able guidance of Sri J.V.Rangaraju, a leading industrialist and philanthropist. His commitment to contribute to nation-building is being achieved by imparting quality education at all levels, viz. from primary, graduate, and post-graduate to a doctoral research degree. The Nagarjuna College of Engineering and Technology is strategically located on the Bangalore-Hyderabad National Highway, a road that falls on the Golden quadrangle. Its proximity to the international airport at Bangalore gives it strategic location and commutability. We have a lush green campus spread over 72 acres with an on-campus residential facility for boys, girls and staff. These hostels have amenities like mess, recreation room and state of art Gymnasium etc. Students are encouraged to actively participate in outdoor games as well. The college has a spacious library with well stacked books and well subscribed e-journals and books. The college is also a member of the VTU Consortium for e-resources,



The institution is re-accredited by NAAC with A+ grade with a CGPA of 3.38. The College became autonomous in 2015 and has been effectively practicing Outcomes- based Education. In the ARIIA (ATAL Rankings) 2021, the college was ranked in band-Excellent. The College offers six Undergraduate & three Postgraduate courses both in conventional and emerging areas. The Institution has MOUs with various organizations. The learning experiences and quality educational practices created at the institute supplemented with academic ambience, state of the art infrastructure, pedagogy, academic innovations, research, incubation, training opportunities and entrepreneurship provided to diverse student population is enabling the institute to produce graduates who are industry ready.

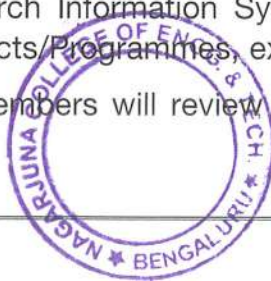
Research & Development (R&D) Committee

R & D Committee consists of the following members.

1. Dr. Ravishankar B.V, Principal, NCET - Chairman
2. Faculty representatives (08 Members) - Members
 - Dr. Nagesh K.N, Professor & HOD, Dept. of ECE
 - Dr. Ajay Kumar Dwivedi, Associate Prof, Dept. of ECE
 - Dr. Vivek Singh, Associate Prof, Dept. of ECE
 - Dr. Manjunath K, Professor & HOD, Dept. of Chemistry
 - Dr. Syed Naimatullah Hussain, Professor, Dept. of DSE
 - Dr. L. Pinky Devi, Associate Prof, Dept. of Civil Engg.
 - Dr. Gopinath A.R, Senior Assistant Professor, Dept. of CSE
 - Dr. Sanjeevakumar M. Hatture, Professor & HOD, Dept. of ISE
3. Dr. Ajay Kumar Dwivedi - Convener

Roles and Responsibilities of the Committee

- ❖ To monitor smooth and efficient coordination of research activities in the Institution
- ❖ To Identify new Research avenues and Opportunities
- ❖ To instill measures to enhance research outcomes in terms of quality research publications, Research Projects/grants, Patents, Collaborations, Doctoral program and Faculty development.
- ❖ To identify potential collaborators and to facilitate collaborations with researchers from premier Institutions to encourage joint research ventures in the latest technology.
- ❖ To propose augmentation of Research infrastructure and establish necessary support systems for utilization of facilities.
- ❖ Conducting SWOC Analysis of past research in the Institution.
- ❖ To develop an Institutional Research Information System for sharing the status of ongoing/ completed research projects/Programmes, expertise & resources, etc.
- ❖ The above research committee members will review the quality of the work on the

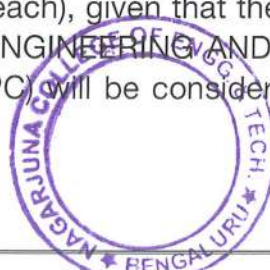


basis of mentioned parameters in this policy. Final decision will be taken by the chairman of the R & D Committee (Principal, NCET).

Institutional Research Promotional Measures:

1. Award of cash incentives for research publication

- ❖ The incentive claim form is to be submitted to the convener of the R & D Committee within one month of publication for processing.
- ❖ **Period of Reckoning:** The Calendar year is the period for calculating the credits earned by a faculty member, i.e., from January 1st to December 31st of the respective year.
- ❖ **Research publication in Journal of repute, indexed in Web of Science (Thomson Reuter/SCI/SCIE) with impact factor.**
 - A cash incentive of Rs. 15,000/- [Q1], Rs. 12000/- [Q2], Rs 10000/- [Q3] and Rs 8000/- [Q4] to First Author/Corresponding Author.
 - A cash incentive of 12,000/- [Q1], Rs. 10000/- [Q2], Rs 8000/- [Q3] and Rs 7000/- [Q4] for co-authors on a sharing basis, if the first author/corresponding author is not from NCET.
 - Only papers that have been indexed by Web of Science will be taken into consideration. An incentive will be granted if the paper is authored only by one author. If the work is prepared by more than one author, 60% of the incentive money is allotted for the first/corresponding author, and the co-authors would get 40% (Shared by all co-authors each), given that the affiliation for article shall be "NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY." The R&D Committee will review the articles and recommend them for the award of incentives.
 - Journals with Article Processing Charges (APC) will be considered based on recommendations of the R&D Committee. The Final Decision will be taken by Committee members about the suitability of the journal in case of APC.
- ❖ **Research publication in Journal of repute indexed in ESCI/Scopus/UGC Care Journal:**
 - A cash incentive of Rs. 10,000/- [Q1], Rs. 8000/- [Q2], Rs 7000/- [Q3] and Rs 6000/- [Q4] to First Author/Corresponding Author.
 - A cash incentive of 8000/- [Q1], Rs. 6000/- [Q2], Rs 5000/- [Q3] and Rs 4000/- [Q4] for co-authors on sharing basis, if the first author/corresponding author is not from NCET.
 - Only papers that have been indexed by ESCI/Scopus/UGC Care will be taken into consideration. An incentive will be granted if the paper is authored only by one author. If the work is prepared by more than one author, 60% of the incentive money is allotted for the first/corresponding author, and the co-authors would get 40%(Shared by all co-authors each), given that the affiliation of the article shall be "NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY." Journals with Article Processing Charges (APC) will be considered based on recommendations of the R&D Committee.



2. Incentive for writing Technical Books/Edited Book Chapters/ Book Chapters

- ❖ A cash incentive of Rs.10,000/- will be awarded for publishing technical books with ISBN through reputed International publishers.
- ❖ A cash incentive of Rs.8,000/- will be awarded for publishing technical books with ISBN through reputed national publishers.
- ❖ A cash incentive of Rs. 4,000/- for edited volume of articles or chapters with international publishers (CRC Press, Tayler and Fancis, Springer, Pearson, Tata McGraw Hill, Springer, EBSEO, PHI, Wiley,etc)
- ❖ A cash incentive of Rs. 3,000/- for Edited volume of books or chapters with ISBN with National publishers.
- ❖ The editor will get the incentives that have to be shared among the authors. irrespective of full books or edited volumes.

3. Incentive for Sponsored Research Projects

- a. Faculty members who receive projects from external funding agencies are awarded cash incentive wrt to the below mentioned table of the total money received to the institute.

Research grant (received in Lakhs)	Monetary Benefits
Up to Rs. 10.00 Lakh	5%
Rs. 10.01 Lakh to Rs. 50.00 Lakh	10%
Rs.50.01 Lakh to Rs. Beyond Rs. 100 Lakhs	15%

- b. The incentive received shall be shared among the Principal Investigator and Co-Principal Investigators/staff/students listed in the proposal.

4. Incentive Scheme for Professional Body membership

- ❖ 50% Annual Membership fee reimbursement of any professional body in the respective domain of the faculty member.
- ❖ This scheme is limited to one membership per faculty.

5. Incentives for Skill Enhancement through SWAYAM/NPTEL/MOOCs

- 100% Examination fee reimbursement on successful completion of Online Courses and on submission of Completion Certificate.
- The faculty members shall register the SWAYAM/NPTEL Courses under NCET NPTEL Local Chapter.
- The faculty members shall submit the course certificate and examination fee receipt



to the convener of NCET NPTEL Local Chapter for further processing within 15 days of receipt of the certificate.

6. Seed money under Faculty Research Promotion Scheme (FRPS)

6.1 Introduction:

This research initiation is designed to attract young faculty to perform quality research and publish their work in the reputed international journals. This policy provides a substantial package to begin scholarly research at NCET.

6.2 Objectives:

- Enable the beginning of research and related activities for a newly recruited faculty who has significant potential to attract external funding.
- To motivate faculty to pursue research.

6.3 Award:

- ❖ Grants shall be awarded for up to Rs. 2 Lakhs and the amount should be spent within a maximum of 24 months from the date of sanction.
- ❖ The funding is provided for equipment, consumables and testing & travel cost required for carrying out the research.

6.4 Eligibility:

- Any faculty of NCET appointed at the level of Assistant Professor or above, on a regular basis.
- Only one proposal can be submitted by an applicant in an academic year.
- Any proposal rejected should not be re-submitted without any substantial revision.
- The faculty should commit to publish and seek external funding for R&D projects.
- Collaborative research projects are encouraged under the scheme.

6.5 Application Process:

Faculty members should apply for FRPS, through his/her Head of the Department, by providing details (as per Annexure 1) of the research to be carried out. The total budget should not exceed the prescribed limit.

6.6 Selection Criteria:

- The research plan which is sustainable and has the potential to attract external funding will be encouraged.
- The research should be beneficial to the community/society at large.
- Itemized budget should be consistent with a research plan.

6.7 Evaluation Process:

- The application/proposal will be reviewed by the domain specific Expert Committee. On recommendation from the committee, it will be considered for approval and sanction.

6.8 Guidelines for Expenditure:



- 50% of the sanctioned amount shall be released after the sanction of the project. Remaining amount shall be released after the review of the progress by the R&D Committee.
- The funds may be used to purchase specialized research equipment, databases, software, laboratory supplies, sample collection, testing and analysis and consumables which are not routinely procured regularly. The purchased equipment will be the property of the institute.
- Record of purchase shall be maintained by the department.

6.9 Conditions:

- All purchases/expenses should be processed in accordance with NCET policies and procedures.
- Periodical review of the progress of the research will be monitored half-yearly by the Head-R&D and R&D Committee.
- If the applicant wishes to leave the college during the project period, he/she shall return the remaining sanctioned amount to the institution.
- The host department shall maintain the details and progress of the project from time to time.
- The department shall ensure that project grants are utilized only towards the research project for which it was sanctioned.
- The grant released for the project shall be surrendered to the college, if unutilized within six months of the sanction order.

6.10 Expected Outcomes:

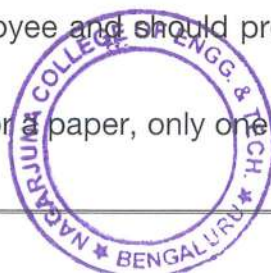
- NCET expects that faculty who avail of the research grant, will seek external funds to support their research program within a year of the commencement of the grant. The report of the faculty on the use and outcome of the grant will be part of the faculty appraisal.
- The faculty members are mandatorily publish the research work in indexed/refereed quality journals and explore the possibility of patenting or productization.

6. Support for attending Conferences, FDPs, STTPs, Workshops and Seminars

Faculty members are encouraged to present their research work in national and international conferences and also to attend the FDPs/STTPs/Workshops/Seminars organized by premier institutions. The incurred expenditure will be paid on reimbursement basis which includes the Registration Fee / Travelling Expenses, etc.

6.1 Eligibility Criteria

- ❖ Faculty should be a full-time employee and should present the paper in his/her domain of expertise or education research.
- ❖ If there are more than one author for a paper, only one author is eligible.



6.2 Guidelines

- ❖ The financial assistance for participation (paper presentation) in the International Conference (Abroad) will be considered subject to approval of the research paper by the domain experts and also the credibility of Conference and its organizers.
- ❖ In the case of international conferences abroad, a faculty is eligible for sponsorship only once in the block period (i.e., once in two years). In case of conferences in India, the financial assistance is permitted twice in a year.
- ❖ A faculty must submit the request for financial assistance at least three months before in case of International Conference (abroad) and three weeks before in case of conference / Training Programmes / FDPs within India.
- ❖ The financial support provided shall be such that the total assistance received from all sources (external funding agencies) shall not exceed the total expenditure; self-certification regarding assistance, if any, received from other sources for the purpose shall also be produced.
- ❖ The Management reserves the right to withdraw the financial support provided to the faculty in the event a faculty cancels the programme at the last minute due to any reasons, no further notice or intimation will be made in this regard.
- ❖ The financial assistance is on reimbursement basis subject to the production of vouchers for registration fee, travel tickets, other bills and the report on the outcomes of the Conference / programme attended.
- ❖ The faculty member shall present his experience in a knowledge sharing session organized by IQAC within a month.
- ❖ The management reserves the right of deputation / sponsorship

6.3 Financial Assistance

Sl. No.	Details	Paper presentation in National or International Conference/ Book chapter Conference Proceedings [Indexed in Scopus] (Online/Offline)-India	Paper Presentation in International Conference/ Book chapter Conference Proceedings [Indexed in Scopus] (Online/Offline) -Abroad
1	Registration Fee	Rs.7,500/- or actual Registration Fee whichever is lower	Financial Assistance limiting to Rs.50,000/- once in two years block period which commences from June to July.
2	Travel Allowance	a) 2 Tier AC or Airfare b) Local transport on both side The total cost of (a+b) shall not exceed Rs. 7,500/- or the actual cost incurred or whichever is lower.	Financial assistance is inclusive of Registration Fee, Travel Allowance, Airport Transport, stay/ accommodation charges etc.
3	Total Expenditure	The total expenditure shall not exceed Rs.10,000/- per trip. A faculty can avail twice in an academic year (July to June).	The total expenditure shall not exceed Rs.50,000/- per trip and permitted only once in a block period of two years.



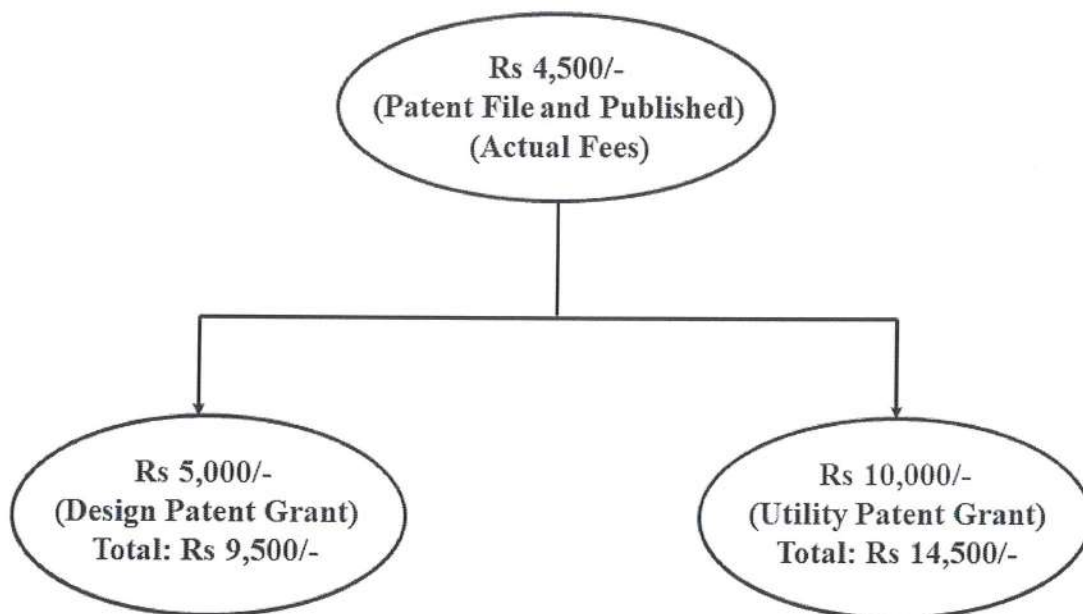
4	Terms & conditions	Only two conferences (India) / Training Programmes / FDPs are permitted in an academic year.	Only one Conference in the Block Period from July to June within two years.
---	--------------------	--	---

7. Incentives for conducting training programmes on latest technologies and trends

- Faculty members are encouraged to conduct training programmes/workshops for students and faculty members on latest trends and technologies.
- 25% of net total revenue generated (Excluding Expenditures) through such training programmes will be sanctioned to the concerned faculty members who participate as the resource persons

8. Support for Patent Filing and Processing

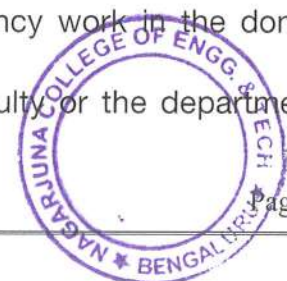
- Faculty members are encouraged to publish patents for their novel ideas and designs.
- Support is extended only for Indian patents filed by the faculty members and affiliation of the faculty members shall be in the name of Nagarjuna College of Engineering and Technology.
- Reimbursement of patent filing and grant will be done as per below mentioned table.



- If more than one faculty member is involved in patent filing then the incentive will be shared equally among them.
- The reimbursement or research incentive will be granted to the individual who holds first place on the inventor list or the corresponding filling applicant, with Nagarjuna College of Engineering and Technology, Bengaluru as their affiliation.

9. Incentives for Consultancy work

- Faculty members are encouraged to undertake consultancy work in the domains of their specialization.
- The organization requiring consultancy services from faculty or the department shall write to the principal indicating the expertise required.



- The principal on receiving the request from the organization shall inform the department concerned.
- The head of the department shall nominate the faculty or a group of faculty having the required expertise and get permission from the principal.
- In considering whether or not permission will be given for consulting activity, the principal will take into account such factors as the compatibility of the activity with the responsibilities and commitments of the faculty member(s), potential conflicts of interest and the use of institution resources.
- An MoU may be signed between the organization and the department towards the nature of consultancy work and the commercials involved in the presence of the principal.
- The consultancy work directly approached to specific faculty members with expertise also needs to seek permission from the Principal before starting the work
- The faculty or a group of faculty engaged in the consultancy work shall periodically report the progress of the consultancy work to the principal through the head of the department.
- Publication arising from consultancy work shall include the faculty affiliation of the college and acknowledgement for the facilities used from the college.
- Patents arising from consultancy work if applicable shall be jointly published on the name of the faculty and the institute.
- College facilities and resources may be used and must be charged in line with the guidelines from the principal, from time to time.
- Meeting related to consultancy work with the organization(s) may be conducted in college premises.
- NCET encourages faculty members to do consultancy service to support external engagements that facilitate knowledge and technology transfer contributing to economic and social impact. Such activities serve to link the institute and its faculty members more closely to the industry.
- The faculty members involved in the consultancy service can avail on-duty leave for industry visit and formulation of scope of the work. While doing so the faculty or staff must ensure that the visit does not create a conflict of interest with the academic and other administrative role at the institute.
- The services of employees of the Institute may be utilized for the execution of the consultancy projects provided it does not affect their primary functions and responsibilities to the Institute. Such work by employees may be compensated by suitable honoraria and must be a part of the budget.
- Travel out of the campus on account of consultancy activities should be undertaken with intimation to the Head of the Institute.
- Consultancy work can bring financial benefits both to the institution and its employees.
- If the consultancy work involves the use of college space and facilities/equipments of the institute, then the revenue generated from the consultancy may be shared as 40% for the faculty and 60% to the institution.
- If the Consultancy work involve only providing solutions/expertise to problems of the industry, then the revenue generated shall be shared as 60% to the faculty and 40% to the institution.
- Undertaking routine testing jobs is to be discouraged. Sufficient caution also needs to be exercised to ensure that consultancy projects do not interfere with the normal duties of Faculty members.



10. Deputation of faculty for PhD and Post Doctoral Programmes

Faculty members are encouraged to pursue PhD and Post Doctoral Fellowship at premier institutions like IIT, IISc, NIT, etc.,

10.1 Admissions to PhD/ Postdoctoral research on Full Time basis

In order to motivate the faculty to pursue their higher education, the faculty members have been permitted to register for Ph.D/Postdoctoral Programme as external candidates.

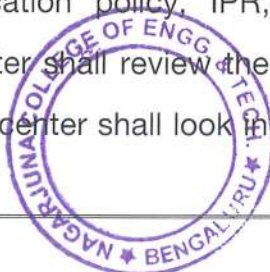
- ❖ The faculty on deputation shall complete his/her studies diligently for the purpose for which he/she is deputed;
- ❖ Faculty should execute a Bond (on a Stamp Paper) with a surety to serve NCET for a minimum period of 3 years after successful completion of Ph.D/Postdoctoral programme;
- ❖ The faculty shall be on regular scale of pay for at least 24 months and satisfactorily completed probationary period.
- ❖ The faculty members pursuing Ph.D/Postdoctoral Fellowship are being deputed with 50% of salary for the program duration and the remaining balance will be paid after serving the College for a period of three years after completion of Ph.D/Postdoctoral program.
- ❖ In case the faculty fails to fulfill the above condition, the faculty shall be liable for the payment of 18 months salary to NCET.
- ❖ The faculty shall be bound by the rules of Management from time to time.

10.2 Performance monitoring

- ❖ The performance of faculty on deputation (either full time or part-time under any institution/university) shall be reviewed through the half yearly progress reports submitted by the faculty through their respective research supervisors.
- ❖ The faculty deputed to pursue PhD must give at least one Seminar at the institute per year of their work.
- ❖ This is aimed to assess their progress and also measure their periodic performance for sanctioning annual increments.
- ❖ Faculty on deputation (either full time or part-time under any institution/university) shall adhere to the guidelines / regulation of the University / Institution in which they have registered for PhD.

11. MoU for Research Collaboration

In order to promote Institution research collaboration with Industry, NGO or other premier Academic/Research institutions MOUs are encouraged. These MOUs are routed through R&D center which includes publication policy, IPR, conflict of interest, expected outcomes and tenure. The R&D center shall review the progress and activities of these MOUs for every 6 months. The R&D center shall look into the feasibility of extending the



MOUs or closing depending on the performance.

12. Code of ethics in Research

To ensure the quality of all research activities of the college and to observe the highest standards of ethics and integrity in conduct of research, all researchers/faculty members shall follow ethical guidelines of NCET.


PRINCIPAL
Nagarjuna College of Engineering & Technology
Devanahalli (Tq) Bengaluru (Dist. Pin: 562164)

Annexure – 1

FORMAT FOR SUBMISSION OF PROJECT PROPOSAL UNDER SEED MONEY UNDER FACULTY RESEARCH PROMOTION SCHEME (FRPS)

1. Project Title:
2. Broad subject:
3. Subject Area:
4. Duration in months: (1 year/2 year)
5. Total Cost: (limited to 2 Lakh rupees only)
6. Principal Investigator:
7. Mentor (If any):
8. Designation:
9. Department:
10. Mobile & Email Id:
11. Number of Scopus/Web of Science indexed journal publications (till date):
12. Project summary (maximum 100 words):
13. Objective (Maximum 3):
14. Review of status of Research and Development in the subject
 - a. International status
 - b. National status
 - c. Preliminary work done so far, if any:
15. Expected deliverables of the project [Patent, Publication [Q1 to Q4], product etc.,]:
16. Societal impact/community impact:
17. Methodology with flowchart/block diagram:
18. Gantt Chart (1 / 2 years):
19. Budget: (Human resources, Travel, Conference, or Contingency are not permitted)



Sl. No.	Recurring	Non-Recurring	BUDGET	
			1 st Year	2 nd Year
		TOTAL		

20. Details of the Journal publications (till date)

Entry	Complete list of authors in the journal	Name of the journal	Title of the paper	Year	Volume	Issue	Page No's xx-xx	citations
1								
2								
3								
4								
5								
Link to journal papers								

I hereby certify that above particulars are correct to my knowledge and belief. I shall complete the objectives as per the above proposal.

Signature of the PI with date

Signature of the Mentor with date



IPR Policy of NCET, Bangalore

BACKGROUND/REASON FOR POLICY

The principal mission of Nagarjuna College of Engineering and Engineering (here in after NCET) is to engage in assimilating and imparting knowledge and provide a nurturing environment for students and faculty to apply the science, technology and engineering principles in innovative projects. NCET recognizes that creative endeavors are a natural outgrowth of the pursuit of this mission and in the past few years has been encouraging students and faculty to generate research work that can qualify for patent protection. While this effort is gaining momentum, NCET also recognizes that the proper management of such endeavors and related intellectual property rights would strengthen and provide a strong foundation for growth of such projects and enable a sustained focus to this effort. In support of these goals, NCET is providing guidelines for inventions, copyrightable works, trademarks and other related intellectual property rights arising from the activities of its faculty, staff, students, and others who use NCET resources, including those provided through an externally funded grant, contract, or other type of award or gift to the Institution.

STATEMENT OF POLICY

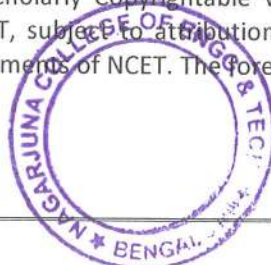
I. Inventions

1. **Principle of NCET Ownership.** The NCET shall own each Invention conceived in whole or in part during the course of any employment, research, or scholarship activity of any NCET student, Research scholar, faculty, or relating to the use of NCET Resources.
2. **Invention Disclosure.** Inventors shall promptly in writing through an Invention Disclosure Form (See Annexure-1) disclose and assign each Invention to the NCET and/or its designee, and shall not disclose any Invention to any third- party except as specifically authorized by the NCET or its designee. If more than one individual participated in the invention or development, the form shall include names of all such participants. The form shall constitute a full and complete disclosure of the Invention subject matter and the identity of all persons participating therein. The Invention Disclosure Form should be submitted to Director R&D, NCET, who would provide his recommendation to the Principal and take it forward for further processing for preparing a patent application.

Further, prior to making any public disclosures of the research work through publications in Journals/books, presentations in Conferences / Workshops, etc., including to a third party, the inventors/researchers should get the recommendation from the Head, R&D, NCET for approval by the Principal, NCET. To that end, all necessary documents, data, background Material, etc as required by the Principal and Head, R&D, NCET should be furnished by the inventors/researchers.

II. Copyrightable Works

1. **Principle of NCET Ownership.** The NCET permits authors to retain the copyright to Instructional Copyrightable Works and Scholarly Copyrightable Works. Excepting only Instructional Copyrightable Works and Scholarly Copyrightable Works, the NCET shall own the copyright to each Copyrightable Work conceived in whole or in part during the course of any employment, research, or scholarship activity of any NCET student, Research scholar, faculty or relating to the use of NCET Resources.
2. **Disclosure of Copyrightable Works with Potential Commercial Value.** Each author of a Copyrightable Work that is NCET-owned according to the foregoing Principle of NCET Ownership and that may have potential commercial value shall promptly disclose the Copyrightable Work in writing to the NCET and/or its designee.
3. **License to NCET for Instructional or Scholarly Copyrightable Works.** Each Instructional or Scholarly Copyrightable Work shall, by operation of this policy, be subject to a perpetual nonexclusive, royalty-free license from the author to the NCET to use, duplicate, and internally distribute the Instructional or Scholarly Copyrightable Work for any pedagogical, research, or educational purpose of the NCET, subject to attribution of original authorship and to internal academic procedures and requirements of NCET. The foregoing license shall be broadly construed



- to enable the NCET's efforts to preserve research integrity and prevent fabrication, falsification, and plagiarism.
- III. **Trademarks** The NCET owns all rights, title and interest in Trademarks that relate to NCET Intellectual Property or relate to a program of education, service, public relations, research or training by the NCET.
- IV. **Tangible Research Property and Research Data.** The NCET owns all rights, title, and interest in Tangible Research Property and Research Data developed with support from NCET Resources. All research work with associated data including results should be recorded in a suitable Research Note Book as per the guidelines available with Head R&D, NCET. Subject to Section VII of this policy, in most instances the NCET allows access of NCET- owned Tangible Research Property or Research Data to NCET personnel at the discretion of the Principal duly recommended by Head,R&D, NCET for any non-commercial purpose.
- V. **Respecting others IPRs.** The NCET through this IPR Policy notices all NCET students, Research scholars, faculty to respect IPRs owned by others and not to use IPRs owned by others for any project, research, teaching or reference or any other purpose without appropriate authorizations from the owners of such IPRs, and without proper acknowledgement of such use. Any such improper use by any NCET personnel would be treated as plagiarism and would be considered an offence. Principal NCET would take necessary disciplinary and other legally required action for such offence.
- VI. **Administration and Execution of IPR Policy.** The IPR Policy will be managed by Head, R&D, NCET. The Principal and the Head R&D, NCET would have the authority to enforce the sections of the IPR Policy and also to review, and amend the sections as and when required.
- VII. **Disposition of NCET Intellectual Property** This policy shall be deemed 1) a term and condition of employment for every employee of the NCET, 2) a term and condition of enrollment and attendance at the NCET by students, and 3) a term and condition of participation in any NCET research or other use of NCET Resources by any person (whether or not employed by, compensated by, or enrolled at the NCET). This would include: (i) External Research Scholars registered under VTU or other universities to work in NCET Research Centers and/or getting guidance from the faculty of NCET and (ii) Internal Research Scholar from NCET registered in other Institutions registered under VTU or other universities and getting guidance from the faculty of NCET
- VIII. Outside Activities authorized by the NCET for NCET faculty or staff, remain subject to this policy to the extent this policy does not conflict with any other existing policy applicable to third party. In case of a conflict, the ownership of all IP emanating from such outside activities (Collaborative work) will be mutually decided through discussions on case-by case basis.

As directed and requested by the NCET and/or its designee, all creators of NCET Intellectual Property shall execute legal documents required to effect this policy. The NCET (on its own behalf and on behalf of its designee) reserves the sole right in its exclusive discretion to make agreements regarding the retention, ownership, patenting, licensing, accessing, and any other use or disposition of any right, title or interest in NCET Intellectual Property.

The NCET and/or its designee will determine whether to commit funding to obtain patent, copyright, or trademark protection for particular disclosed NCET Intellectual Property and/or to seek to identify one or more licensees who will bear the cost of obtaining that legal protection. No creator of NCET Intellectual Property has the authority to assign, license or otherwise dispose of NCET Intellectual Property except to the NCET or its designee pursuant to this Agreement. NCET personnel engaged in Outside Activities shall have no authority to enter into an Intellectual Property agreement that conflicts with this policy. Persons who wish to confirm that a consulting, employment, or other agreement that addresses assignment of intellectual property associated with a proposed Outside Activity does not conflict with this policy should submit a copy of the agreement for review by NCET.

Commercialization of Intellectual Property.



1. Patents: NCET may pursue commercialization of the patents owned by it and any revenue from such commercialization may be distributed as under clause 3 of this section.

2. Equities of Participating Parties General Policy. Income derived by the NCET and/or its designee directly from the commercialization of NCET Intellectual Property shall be administered in accordance with this policy. It is the policy of NCET to encourage and recognize the creative efforts of NCET personnel and, to share the financial rewards of such efforts on an equitable basis. This general policy may be rescinded or amended at any time by the NCET, and all legally enforceable rights related to Tangible Research Property and Research Data (Intellectual Property or proceeds there from) owned presently or in future by the Institution will remain with the Institution.

3. General Principle of Division. In most instances, net Proceeds will be distributed according to the following formula a) one-third to the NCET, and b) two-thirds to inventors comprising of NCET or other personnel who created the NCET Intellectual Property that gives rise to the Net Proceeds. Any agreement among those NCET personnel setting relative distribution shares among themselves shall be decided by the concerned NCET personnel. The Principal may authorize a variance from the foregoing principles, depending upon the circumstances of an individual case, including relevant contractual arrangements and any applicable funding regulations.

IX. Reconveyance of NCET Intellectual Property: Intellectual Property may be re conveyed to the NCET personnel who disclosed it, upon their request to the Principal, NCET, if the reconveyance would not: (i) violate any legal obligations of or to the NCET, (ii) limit appropriate NCET uses of the materials, (iii) create an unmanageable conflict of interest for the inventor/creator, (iv) have significant commercial or public value which may best be exploited by the NCET itself, or (v) otherwise conflict with NCET goals or principles.

X. Works of Independent Contractors. A written agreement will be documented from independent contractors such as website developers, architects, building contractors, interior decorators, special software developers, etc., that ownership of Inventions/Copyrightable Works made in the course of a NCET retention will be assigned to the NCET.

XI IP generated in externally funded projects. For the IP generated through externally funded projects such as sponsored research programs, the ownership and sharing of IP will be done on case-by-case basis, depending on nature of project, funding and other factors. All IP generated through these Projects will be documented and communicated to the Director, R&D, NCET. In cases where the ownership is assigned to the sponsoring party, NCET would retain a license free use of such IP for its teaching and research purposes.

XI. Miscellaneous

- 1. Designee.** The NCET may designate Head, R&D, NCET or any other representative to act for it in any respect here under.
- 2. Amendments.** This Memorandum may be amended or rescinded in whole or in part at any time by the Principal of the NCET.

WHO SHOULD KNOW THIS POLICY

- Board of Governors
- Faculty/Visiting Faculty
- All students/Research Scholars
- Visiting Scientists /Visiting Scholars
- All employees

EXCLUSIONS

There are no exclusions from this policy.

This policy shall not be interpreted to limit the NCET's ability to meet its obligations for deliverables under any contract, grant, or other arrangement with third-parties, including sponsored research agreements, license agreements and the like. The NCET shall coordinate reporting requirements and other obligations to research sponsors regarding NCET Intellectual Property developed under a research contract or grant.



RESPONSIBILITIES

Inventors/Authors:

- a. Duly record the details of the research work and associated data in a Research Notebook as per the guidelines provided by Head R&D, NCET. Duly record the source of any extraneous material obtained from an external source during the course of the research/project/teaching material (accurate citations for the source to be provided).
- b. Prior to making any public disclosures of the research work through publications in Journals/books, presentations in Conferences / Workshops, etc., including to a third party, the inventors/researchers should get the permission of the Principal routing the request through Head R&D, NCET. To that end, all necessary documents, data, background material, etc as required by the Principal and Head R&D, NCET should be furnished by the inventors/researchers.

If the research work has elements of new approaches, results that can be patentable, the researchers should submit such aspects of their work through the Invention Disclosure Form to the Head R&D, NCET and maintain

- a. Confidentiality of such work till a decision is received from the Head R&D, NCET Center towards filing or not filing of patent on such work.
- b. In collaborative research work with another Institution/third party, inform Head R&D, NCET of such work, and maintain clear records of such work.
- c. Be aware that the IP Policy is binding on them during their association with NCET.

Head R&D, NCET:

- a. Owns the implementation and administration of the IP Policy.
- b. Ensures that the IP Policy is communicated to all faculty/students/third parties associated with NCET.
- c. Create standard procedures for submission of ideas/inventions, for review of the Disclosures, for billing and other necessary operating procedures.
- d. Conduct timely reviews of the submitted invention Disclosures if needed and take the necessary next steps for getting the patent applications filed for the approved disclosures.
- e. Conduct periodic meetings of the Steering Committee to inform about the activities of the Centre and take any directions.
- f. Build the R&D Centre as a self-sustaining unit in the long run using the Commercialization funds.
- g. Create awareness and appreciation of IP amongst the faculty and students of NCET.

Administration/Accounts:

- a. The activities of the NCET R&D specifically communication of the Policy, creating awareness and disseminating funds in a timely manner towards filing of patent applications.

The Principal:

Provide support and guidance to Head, R&D NCET in implementing its activities, communicate the Policy to HODs and assert its importance in different interactions with faculty and students.



PRINCIPAL
Nagarjuna College of Engineering & Technology
Devanahalli (Tq) Bengaluru (Dt) - Pin: 562164
Page 18 of 18