



GURU NANAK DEV ENGINEERING COLLEGE

Mailoor Road, Bidar 585403, Karnataka, India.

**(Affiliated To VTU, Belagavi, Approved By AICTE, New Delhi).
An ISO 9001:2015 Certified College.**

GNDEC-RESEARCH PROMOTION POLICY (GRPP)

Imagination is more important than knowledge. For knowledge is limited, whereas imagination embraces the entire world, stimulating progress, giving birth to evolution. It is, strictly speaking, a real factor in scientific research.
— Albert Einstein

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VISION OF THE INSTITUTE

To be a premier technological institution that fosters humanity, ethics and excellence in education and research towards inspiring and developing future torch bearers.

MISSION OF THE INSTITUTE

M1 To impart quality educational experience and technical skills to students that enables them to become leaders in their chosen professions.

M2 To nurture scientific temperament and promote research and development activities.

M3 To inculcate students with an ethical and human values so as to have big picture of societal development in their future career.

M4 To provide service to industries and communities through educational, technical, and professional activities.

GNDEC-RESEARCH PROMOTION POLICY

Introduction

Guru Nanak Dev Engineering College, Bidar is a premier institution in Karnataka offering technical and management courses. The college was established in the year 1980 by the Prabhandak Committee, Gurudwara Shri Nanak Jhira Saheb Foundation, Bidar with the Vision of “Essence of Wisdom is Service to Humanity”. The sole objective of GNDEC is to impart quality technical education in the field of engineering and management. The college is affiliated with Visvesvaraya Technological University, Belagavi. This College is approved by the All India Council for Technical Education (AICTE), New Delhi, and was Accredited twice by the National Board of Accreditation, New Delhi during the years 2005 and 2009. GNDEC started in the year 1980 with an annual intake of 120 in three traditional branches. Currently, 2500 students all over from country benefit from education imparted through professionals. The college is spread over a sprawling area of 25 acres. The college offers six undergraduate, four postgraduate courses and seven Ph.D. research centers. The college has received 2nd National Karnataka Education Summit Award, Excellent Education Institution in Technical Education, Dr. A. P. J Abdul Kalam Memorial Award, and Certificate of excellence & Kannada Rajyotsava Prashasti. The college has MoU with Universiti Tunku Abdul Rahman research university Malaysia, Universiti Teknologi PETRONAS research university Malaysia, SEER academy Bangalore, MTC, and AP for Autodesk & PTC Bangalore and Intel Corporation, Bangalore. The College has received grants for research activities from various funding agencies. A number of major and minor research projects are being undertaken and completed by the faculty of the college.

The objective of the Research & Development (R&D) inventiveness undertaken by GNDEC is to put up research careers, to support and strengthen the knowledge foundation and promote the creation of new applications, as well as the societal impact of education, research, and innovation. All education, research, and innovation of the college aim to be of a high standard. To achieve the high quality research ambiance the following policies have been in practice with continual efforts for revision and update.



A Research Committee of the R&D Cell is composed of the following members contributing in a big way to prepare and implement the documents related to research and development activities within the College.

Research Committee

- **Dr. Ravindra Eklarker, Principal, GNDECB & Chairman (R&D).**
- **Dr. Veerendra Dakulagi, Dean (R&D).**
- **Dr. K.K.Prasad, HOD Mechanical Engineering Department, GNDECB.**
- **Dr. B.B. Kori, HOD., Civil Engineering Department, GNDECB.**
- **Dr. Neeshetty K, HOD., Electrical Engineering Department GNDECB.**
- **Dr. Md. Bakhar, HOD, Electronics & Communication Engineering Dept. GNDECB.**
- **Dr. Dayanand, HOD., Computer Science Engineering Department, GNDECB.**
- **Dr. Sindhu Prasad, HOD., Applied Science and Humanities Department GNDECB.**
- **Dr. Anup Eliya, HOD., Information Science Engg. Department, GNDECB.**
- **Prof. Jyoti, HOD., MBA Department, GNDECB.**
- **Dr. N.D. Rao, Dean Academics, Mechanical Engineering Department, GNDECB.**
- **Dr. Dhananjay, Prof. of Computer Science Engineering Department, GNDECB.**
- **Dr. Pradeep Singa, Assoc. Prof of Civil Engineering Department, GNDECB.**

Responsibilities of the R&D Cell

- i. The development, review and monitoring of achievements under the Research & Development.**
- ii. The development and enhancement of the research capacities in the College.**
- iii. Motivate all Faculties to pursue research in their respective areas of expertise.**
- iv. The protection and commercialization of the Institute's intellectual property.**
- v. Consultancy activities related to R&D.**
- vi. The provision of research and development opportunities for academic staff to maintain enthusiasm, awareness of current scholarship, and relevance in teaching and other activities.**
- vii. The development of infrastructure conducive for promoting the quality and quantity of research and development.**
- viii. Disbursement of Institute Research Funds to established researchers, both individually and in groups.**
- ix. Monitor the application of Research Funds to ensure that the funds are properly and formally accounted for.**
- x. To be responsible for the progression of research scholars.**
- xi. To foster the development of multidisciplinary research endeavors across Faculties and departments.**
- xii. Monitor the research and development performance of individuals, groups and Faculties to encourage excellence and productivity through maintaining a database of research and development activities.**



Responsibilities of the GRPP

GRPP is aimed to create a research ambiance in the institute by promoting research in engineering sciences and innovations in established and newer technologies, and generating Doctoral degree candidates to augment the quality of faculty and research personnel in the institute.

Research and development activities are considered as an essential component of higher education because of their role in creating new knowledge and insight and imparting excitement and dynamism to the educational process, as well as make them need-based in view of the national requirements.

The objective of this scheme is to create and update the general research capabilities of the faculty members of the Institute.

Approval of Research Proposals

The proposal should include a specific project theme with a clear statement of the objectives, details of equipment and other research facilities proposed to be acquired, and the expected deliverables from the project. The design and methodology of research undertaken by a member of staff or student, that makes use of research and subjects like people, human remains, other living beings, and the environment, must be submitted to R&D Cell for evaluation and approval, especially if legislation, professional councils or institutions affected by the research require it. When students hand in research essays, mini-dissertation, dissertations, and theses, they must declare that their research has complied with the Code of Research Ethics of the Institute. The Code and Conduct of research & development are to uphold the values of freedom, democracy, equality, human dignity, and respect for diversity.

Processing Methodology

The proposal shall be assessed by an expert committee constituted as follows

- (a) Principal (R&D Committee Chairman).
- (b) Dean R&D.
- (c) Dean (Academics)
- (d) Three-member expert committee not below the rank of Associate Professor.
- (e) At least two members among the experts shall be from the concerned stream.

Incentive: 1% of the received grant will be given to the selected proposal by the institute as an incentive.



Award for Research Publications

1. The award of Rs. 5,000/-(Five Thousand Only) with the appreciation letter will be given to the faculty members (first author only) who will publish their research work in the SCI/SCIE indexed journals.
2. The award of Rs. 5,000/-(Five Thousand Only) with the citation will be given to the first inventor of the Patent (Published/Granted).
3. The second author of the SCI/SCIE paper/s and the second inventor of the patent/s will receive the appreciation letter with an amount of Rs. 1100/-.

Financial support for paper presentation.

Staff members are encouraged to present their research work at the conferences organized by NITs/IITs. The details of the financial support are as follows:

100% registration fee for the paper presentation at the conferences organized by IITs/IIITsMs/IIMs.

50% registration fee for the paper presentation at the conferences organized by NITs.

Ph.D. Fee concession to internal faculty members

Internal faculty members are given up to a 20% fee concession every year to peruse a Ph.D. in the recognized research center of the GNDEC B. Also, staff members can pay the required fee in 7-8 installments.

Support for Intellectual Property Rights (IPR)

GRPP will help faculty and students in the filing of patent applications through the IPR/R&D Cell. In addition to the support on legal matters R&D Cell. All government costs incurred in any of the patenting activities shall be borne by GNDEC B after approvals at the concerned levels and this will be facilitated by the R&D Cell. In case the invention is a work of a Sponsored Project, the costs may be availed from the funding agency, and in that situation, the assignment/ownership of intellectual property shall be made as per the contract between Institute and the agency.

R&D Cell hereby clarifies that only those patenting requests will be considered for final filing which is not a part of public domain knowledge. It is further clarified that the following activities apart from others, by the Faculty shall be considered as disclosure in the public domain. It is clarified that any request of publication of any technical literature by concerned faculty after initiating the filing of IPR will need prior approval by R&D Cell.



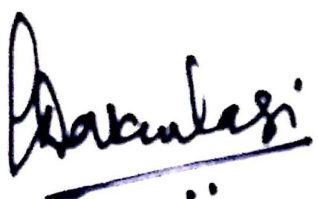
Relationships with the Community

Data or information shall be gathered and recorded in such a way that it can be made available at any time (after completion of the project) to other interested parties without undermining confidentiality. Researchers will judiciously consider potentially destructive consequences of their research activities, outcomes or outputs on the human or natural environments and will avoid such research projects, or assiduously reduce the risk of such consequences through their research activities. Researchers will exercise their rights to academic freedom and freedom of scientific research; researchers are accountable to the community for the way in which they exercise those rights.

Relationships with Sponsors

The methods, contents and results of research that has been funded (fully or partially) by external funds, shall be fully disclosed. Full particulars of the person or institution from outside the Institute who funded the research shall be provided in the published results of the research.

Researchers shall be honest with sponsors of their research about their qualifications and their research expertise and skills. Researchers shall only utilize a sponsor's funds for purposes explicitly approved by the sponsor.


Dean (R&D)




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