

# *B N M Institute of Technology*

## **Research @ BNMIT, a policy document**

Research at BNMIT has been identified as one of most important academic activity for the benefit of students and staff. Research Centres have been established in each of the departments and are recognized by the VTU, the affiliating University. Under these research centers students are registered for MSc and Ph.D. degrees and many of the faculties have completed their Doctorate with many pursuing doctorates. Till now the research activity was independent and person oriented. In view of the importance of directed research activity, BNMIT has decided to give thrust to areas of National importance, bring together independent researchers into groups and encourage interdisciplinary research. The management will provide a budget allocation of Rs. 40 lakhs in each financial year.

**Vision:** To work on areas of national interest in science and technology and provide solutions to alleviate human problems.

**Mission:**

1. To encourage research in areas of societal needs by providing seed money.
2. Create a central facility to work in different areas.
3. Help form research groups and foster interactive work.

**Measurable outcomes:** In order to create a continuously evolving group the following measurable outcomes have been identified against which research work will be compared for assessment and course correction.

1. File for 3 to 5 Indian patents in the next 3 years (before Aug 2021).
2. Produce about 50 papers each year in international journals of repute.
3. Bring in grants for at least five projects with a cumulative funding of rupees one crore.
4. Work on two to three industry-sponsored projects.

**Thrust areas:** The primary areas of research at BNMIT are Energy, Environment and Materials.

The following areas have been identified as secondary thrust areas for BNMIT.

- Communication systems
- Nanotechnology and sensors
- VLSI Design and Embedded system Design and
- Image Processing.
- Software Engineering
- Computer network
- Data Analytics
- Power Electronics

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- Hybrid power systems and its grid interaction
- Waste Management
- Smart materials
- Renewable energy sources

**Formation of research overseeing committee:** In order to oversee the research activities and to steer it in the right direction the following committee has been formed. This committee supersedes the existing committee chaired by Dean, Dr. M.S.Suresh, from June 1, 2018.

1. Prof. Eishwar N Maanay, Dean Administration, Chairman,
2. Dr. Bindu S, representative from ECE
3. Dr. Kiran Y.C, representative from CSE & ISE
4. Dr. D. Shivalingappa, representative from ME
5. Prof. Venkatesha K, representative from EEE
6. Dr. M.K. Prashanth, representative from Sciences
7. Dr. N. Mukund Sharma, representative from MBA
8. Dr. M.S.Suresh, Dean, Invitee

- This committee will meet once a month and take actions as necessary to promote research activities at BNMIT.
- The committee shall take inputs from all the faculties from the departments on the areas of interest and form groups consisting of 4 to 5 researchers, identify projects and write proposals for funding.
- The committee will help form research teams, identify funding agencies, help prepare project proposals, and interact with industries. The committee will also arrange lectures on IPR, writing of project proposals etc.
- The committee shall identify projects for providing seed funds by the college.
- Monitor the progress of the projects and report to management with suggestions.
- The committee shall make proposals to include student researchers in funded projects.
- Shall organize workshops, conferences on topics of interest to researchers at BNMIT.
- Organize presentations by the research groups during several phases of the project for suggestions from all faculties of BNMIT.

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