



Vidyayamruthamashnuthu

# B.N.M. Institute of Technology

An Autonomous Institution under VTU

Approved by AICTE, Accredited as Grade A Institution by NAAC.

All eligible UG branches – CSE, ECE, EEE, ISE & Mech. Engg. are Accredited by NBA for academic years 2018-19 to 2021 – 22 & valid upto 30.06.2022

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## “Built by Excellence Backed by Experience”

Creating a Better World . . . .



CET Code  
**E-107**  
COMEDK Code  
**E-015**



For Admissions Contact :



: 8867754415 / 16 / 17 / 18 / 19 / 20



: 8867754414

27th Cross, 12th Main, Banashankari 2nd Stage, Bengaluru – 560 070



### Smt. Bhageerathi Bai & Narayana Rao Maanay

In whose memory, the Bhageerathi Bai Narayana Rao Maanay Educational Institutions were started.

They are living examples of the ultimate truth.

Today, we live in a world of tumultuous change. Globalization, rapid technological advances and the digital and internet revolution have opened up new vistas of challenges and opportunities in every sphere of life. This emerging scenario of rapid change and relentless global competition is a thrilling playground for many of our students who graduate each year – yet only the fittest will survive. The question then is “Who is the fittest? Who will survive?”

The visionary leaders of the BNM Group of Educational Institutions believe that Competence, Courage and Character are the vital components that will shape the future of our youngsters. It is indeed these three C’s that count,

not just in the race for survival, but as tools that will equip our youth to leverage opportunities and emerge as winners and fine human beings. The need of the hour, the Group believes, is to nurture and provide our youth with a learning environment where this objective can be achieved. The lure and challenge of this task inspired the Bhageerathi Bai Narayana Rao Maanay Charities to establish BNM Institute of Technology.

During the last two decades BNMIT has made a mark in providing opportunities to those who wish to excel in Technical Education and proved itself; the VTU results, Ranks, Gold medals and highly remunerative placements confirming these.

“Karmanye vadhikarasthe maphaleshu kadachana”

Blessed are the parents who are immortalised by their children.

## Our Management

Sri. Narayan Rao R. Maanay  
Secretary, BNMEI

Sri. Ashok R. Maanay  
Joint Secretary, BNMEI

Prof. T. J. Rama Murthy  
Director

Dr. S. Y. Kulkarni  
Addl. Director

Prof. Eishwar N. Maanay  
Dean

Dr. Krishnamurthy G. N.  
Principal



“The thing that really excites today is building a new AI-powered society”. - Andrew Ng

## Our Mission

- To provide Engineering and Management education that meets the needs of human resources in the country.
- To develop leadership qualities, team spirit and concern for environment in students.

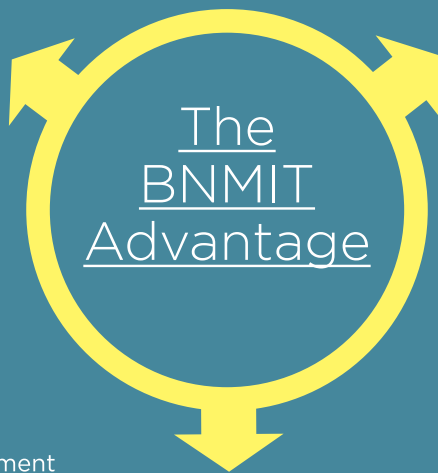
## Our Vision

To be one of the premier Institutes of Engineering and Management education in the country.



## Best of Facilities

- State-of-the-Art Infrastructure
- Lush Green and landscaped campus
- Highly qualified and experienced faculty with 59 Ph.D. holders and 52 faculty members pursuing Ph.D.
- Technology driven best practices in teaching – learning
- Digital library with subscription to e-journals & e-learning resources
- Extraordinary skill addition by experts and industry stalwarts
- Makerspace to explore creative brilliance
- Faculty Development Programs to keep the faculty up-to-date
- Offer Outcome Bound Education (OBE) with conducive academic ambience
- Student counseling by professional counsellors
- Community support programs
- Project based learning with emphasis on skill development
- Professional development activities beyond academics
- A well-equipped multi-specialty gymnasium
- Strong support for cultural activities
- Expert coaching for sports achievement
- Blended mode of teaching with online courses by MOOC
- Safety measures to combat COVID-19 spread
- Strong mentoring counselling system
- Excellent placement records – 95% of eligible students – 145 companies for jobs.
- Government funded technology incubation facility in the campus for start-ups.



## Autonomous Institution

- Contemporary curriculum with relevance to industry requirements.
- Skill based & project based learning techniques to produce industry ready manpower.
- Choice based credit system with grading pattern of Evaluation to meet international standards.
- Industry collaborations with internship to all students.
- Focused exposure to fundamentals to help to take up higher studies.
- Encouraged and supported entrepreneurship development with state-of-the-art incubation facilities.
- Holistic development of students with balanced approach to Extra & Co-curricular activities.
- Industry specific training to achieve 100% \* Placement in companies of repute with good salary packages.
- Overall personality development of students with soft-skill training from trainers of international repute.

## A Multidisciplinary Approach

Artificial Intelligence (AI) and Machine Learning (ML) domain is one of the most advanced science and technology in the current society that involves the understanding and reproducing human cognition. Data Science (DS) is another domain that is most important in business which enables companies to make smarter decisions. The AI & ML applications are embedded in many products and industries such as automobile industry, speech recognition, search engines, medical diagnoses, recommendation systems, robot control, advertising, and many more. Similarly, DS is widely used in various industry domains, including healthcare, marketing, banking, finance, policy work & more.

In view of this, BNMIT has introduced multidisciplinary approach of study by introducing the expertise on AI, ML & DS in the following B.E. programmes : in Mechanical Engg. (for e.g. AI in Robotics, Mechanical Manufacture industry for fault diagnosis, quality inspection, improving the safety of working places, product development, etc), in Electrical Engg. (for e.g. AI in Electric Vehicles, Electrical Automation Control, Automation of Power Systems, etc) in Electronics & Communication Engg. (AI in IoT and other specialized network design, VLSI Design, Analysis, and maintenance of wireless communications networks, etc), and other three IT related branches namely AI&ML, CSE and ISE has in-built AI, ML, DS and its related courses apart from its core concepts and courses.

# UG Courses

## COMPUTER SCIENCE & ENGINEERING

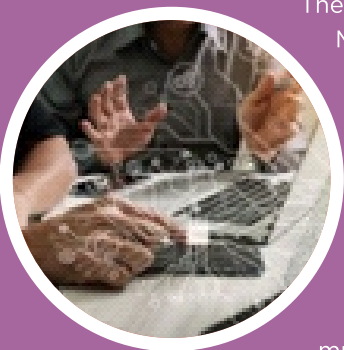
The Computer Science and Engineering department was established in the Institution during the year 2001, with an intake of 60 with a current intake of 120. The department offers B.E. in CSE, M.Tech. in CSE and Ph.D. programs. The Department of CSE is providing innovative and quality education. The course structure is in line with latest excellence and provides platform for the students to achieve their career goals. A well equipped Research & Development (R&D) center, affiliated to VTU has been setup to cater to the needs of the research scholars to carryout cutting edge research towards doctoral degree.



## ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

The Artificial Intelligence and Machine Learning (AIML) has emerged as an increasingly impactful discipline in Science and Technology. It is a degree with endless possibilities that has a Bright career opportunities and growth, High paid salaries and recruited by top multi-national companies. The

AIML at BNMIT, delivers excellence in Education and Research. The Department has state-of-the-art-curriculum tailored to meet industry 4.0 requirements, state-of-the-art laboratories, highly experienced faculty and industry experts to train on the latest technologies in AIML.



## ELECTRONICS & COMMUNICATION ENGINEERING

The Department of ECE was started in the year 2001 and the present intake is 120. M.Tech. in VLSI & Embedded systems. Department has an R&D center recognized by VTU. Several students have secured Ranks in University examinations and also bagged Gold medals in cultural and sports activities. All the eligible students are placed in very good companies or going for higher studies. The department regularly organizing FDPs Workshops, SDPs, and Industrial visits for the benefit of students.



## ELECTRICAL & ELECTRONICS ENGINEERING

The Department of Electrical and Electronics Engineering offers quality education through highly hailed academicians who are working on cutting-edge research problems. Practical application and project works are the strong theme throughout the course. The specially designed course in EEE provides exposure to advances in technology and makes our wards industry ready upon graduation with entrepreneurial zeal. The teaching process followed is on project-based learning with an emphasis on skill development. Incorporation of ICT tools in technical education makes our education delivery unique. The state of art laboratories has made this specialisation most sought after.



## INFORMATION SCIENCE & ENGINEERING

The Department of Information Science and Engineering was established in the year 2001 with an intake of 60 has highly qualified and experienced faculty with research bent of mind. The

contemporary curriculum employed meets the industry relevance to make our students industry ready. The state-of-the-art laboratories and modern facilities make the distinction of the department.



## MECHANICAL ENGINEERING

The Mechanical Engineering is a comprehensive discipline in engineering with specialization in Design, Thermal and Manufacturing right from a small individual part to complex aircraft. The department has a team of highly qualified and experienced faculty, good infrastructure and laboratory facilities. Department is striving hard to offer quality education and maintain its position of leadership in Engineering and Technology. The department has collaborated with several industries of repute. The BNMIT-Toyota Center of Excellence established by Toyota Kirloskar Motors provides an opportunity to upscale skill sets and provide ready workforce to the automotive Industry.





## PG Courses

### MBA

- Master of Business Administration (MBA) with dual specialization

### M.Tech

- Computer Science & Engineering
- VLSI Design & Embedded Systems

### RESEARCH CENTRES

[Ph.D., & M.Sc., (Engg.,)]

- Computer Science & Engineering,
- Electronics & Communication Engineering,
- Mechanical Engineering,
- Information Science & Engineering,
- Electrical & Electronics Engineering,
- MBA, Physics, Chemistry & Mathematics

## BNMIT Scholarship Schemes

- CET students admitted within the ranking 1000 will be given a scholarship of Rs.25,000/- at the time of admission.
- COMEDK students admitted within ranking 3000 will be given a scholarship of Rs.25,000/- at the time of admission.
- Toppers in every branch every semester will get a Merit Scholarship of Rs.20,000/-.
- Scholarship of Rs.10,000/- to Rs.25,000/- will be given to rural students from economically weaker section admitted through CET.
- Student who is selected to represent VTU in interuniversity sports is awarded Rs.10,000/-.
- Student who is selected to represent Karnataka in any sports is awarded scholarship of Rs.25,000/-.
- Student who is selected to represent our Country in any sports is awarded scholarship of Rs.50,000/-.
- Cultural scholarship of Rs.10,000/- – Rs.25,000/- to VTU Youth Festival.

## Kala Bhageerathi the Cultural forum

Kala Bhageerathi organizes many competitions to bring out Cultural and Artistic talents in students. BNMIT's cultural team has secured 1st place in 2010 and 2018 and has consistently stood in the top five positions in the VTU intercollegiate Youth festivals during the last 18 years. An Air-Conditioned Auditorium with a capacity to seat 900 and a huge stage with all modern gadgets, equipments, lighting and sound system is available for conducting of various cultural events.



No. 1 Position in VTU Youth Festival in 2010 & 18 and in this Top 5 in all the 20 Years.



# Value Additions

- Industry Institute Interactions
- Infosys Campus Connect
- Cambridge English certification and Foreign Language
- Entrepreneurship Development Cell and Incubation facility.
- In-house training programs
- State-of-the-art Incubation facility for startups.
- The first Toyota Kirloskar Centre of Excellence in India.
- NEW GEN IEDC - BNMIT was one among 178 colleges across India to submit a proposal for New Gen IEDC (New Generation Innovation and Entrepreneurship Development Centre) and the only Institute in Karnataka to receive a grant of Rs. 2.87 crores from DST in 2016-17 for 5 Years. The purpose of this grant is to develop innovative prototypes by the students.
- Sensesemi Technologies Pvt. Ltd., - a startup Company on Campus
- Yoga Training Centre
- Indoor & Outdoor Games facility
- Modern Gymnasium
- Multicuisine dining facility

# Community Activity & Support Programs

- Environmental Awareness Programs
- Blood Donation Camps
- NSS & NCC
- Spreading Hygiene / Swachh Bharath Abhiyan
- Team building and Adventure sports
- Photography Club
- Film appreciation Club

## CODING CLUBS

- Automatica
- Spark Club
- Vanguard
- Geek for Geeks
- HackerEarth



# Sports @ BNMIT

BNMIT has excellent sports facilities for Indoor games – Table Tennis, Squash, Weight lifting, Chess, Shuttle Badminton, Rifle Shooting, Gymnastic and Yoga. Outdoor games – Basket Ball, Volley Ball, Throw Ball, Kabaddi, Cricket, Football, Lawn Tennis, Archery & Athletics.

# Environment & Adventure @ BNMIT

Understanding nature and the importance of environment in today's changing world has become the biggest priority with respect to air, water and food resources. Awareness of the status of the environment. Finding ways and means to restore it for future generation is the gist of the activities of BNM Friends of Nature Club. Living with nature, conserving and enjoying its abundant resources. Through Nature camps in the Jungle wilderness, Adventure sports, Trekking, Kayaking, Para Gliding, Burma Bridge, Zip Drives, Two line Traverse, Multiline Traverse, Water sports, Mountain climbing, Bird watching Field trips and Tree Planting and many other activities are part of the Nature & Adventure activities.





# Career & Professional Development Centre

The Department of Training & Placement has the objective of providing placement to students in reputed Industries with better working environment & supports them with necessary Training on Soft Skills & Domain specific. As a result of these efforts by the Department, most of our Alumni are placed in prestigious Companies and are holding top positions with better salary packages.

Significant features of placements at BNMIT are:

- More than 145 companies visited for Campus Recruitment in 2020-21.
- Salaries range from Rs 3 LPA to Rs 21 LPA
- 90% of the eligible students were placed for the batch of 2020 with average salary of Rs 4.62 LPA. With Placements still in progress, 66% of the eligible students are already placed for the batch of 2021 with average salary of 4.38 LPA.
- Regular interaction with various Industries has helped to explore emerging technical skills requirements for students. Student Nurturing Programs, Industry specific Technical Training & Soft Skill Training Programs have been conducted to improve the employability skills thereby influencing in better placements.
- MoU is signed with M/s Zenken to promote placements in Japanese companies along with M/s NEC Technologies. MoUs are also signed with M/s Byjus & M/s Princeton Review and M/s Iprimed & M/s TechnoServe to provide career guidance & Industry Oriented Learning Programs for students.
- Industrial internships are taken by students in various companies like Adobe, NEC, Cognizant, Danske IT, Thomson Reuters, McAfee, Nuclei, Hashedin Technologies, Refinitiv, Infoblox and many more. International Internships are also taken up by our students.

## Major Recruiters