

NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY

(A Unit of Nitte Education Trust(R),Mangalore)

(AN AUTONOMOUS INSTITUTION AFFILIATED TO VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELGAUM)

APPROVED BY UGC,ACCREDITED BY NATIONAL BOARD OF ACCREDITATION (AICTE), NEW DELHI & NAAC

With A+ Grade

Govindapura, Gollahalli, P.B. No 6429, Yelahanka, Bangalore 560-064, Karnataka, India

7.3.1 Describe/Explain the performance of the institution in one area Distinctive to its vision, priority and thrust

Describe the institutional performance in one area distinctive to its vision, priority and thrust within a maximum of 1000 words

Innovation & Entrepreneurship at NMIT

Engineering drives innovation through the development of new processes and technologies. Hence, fostering innovation is an important goal of engineering education. Promoting Innovation is also a national goal. In this line Nitte Meenakshi Institute of Technology, Bangalore has created conducive environment for Innovation & Entrepreneurship which has made NMIT to stand differently among the other Engineering Institutes of India.

As an Autonomous Institute, NMIT has started promoting Innovation and entrepreneurship from the year 2008. Innovation and Entrepreneurship Development Centre (IEDC) was established in the year 2010 and funded with Rs. 45 lakhs by the Department of Science and Technology (NSTEDB), New Delhi. Under IEDC, every year 5 Innovative projects were funded with Rs 5 Lakhs each. As a next step Business Incubator was established with the support of MSME (Micro, Small and Medium Enterprises), Govt. of India to provide early support to our students for incubating their innovative ideas. Further Innovation club has been established with the support of University. NMIT has also established a Campus Company- Ignis Innovation Lab which enables the students to develop societal applications and earn while learning.

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A good research will lead to an innovation. There is no innovation without proper research. With this vision, NMIT has established five multi-disciplinary Centers of Excellence (CoE) viz Small Satellites (Supported by ISRO), Robotics, Nanomaterials& MEMS, Computational Fluid Dynamics, and Design Engineering & Process Simulation. NMIT is a unique Institution to establish Center of Excellence for skill development in Aerospace and IoT (CoE) in collaboration with renowned companies(Dassault systems & PTC) with a funding of Rs 25 Crores which imparts high end modern technical skills and knowledge among the engineering graduates and make them 'Industry Ready'. NMIT has several sponsored research projects amounting to Rs.15 Crores sanctioned by different National Funding Agencies such as DST, DIT, ISRO, AICTE, DRDO Labs, VGST, IEEE, VTU, UNESCO-KSCST, etc. which provides opportunities for UG/PG/PhD students to work 24X7 in these projects which will lead to Innovation.

To introduce culture of Innovation during the early stage of Engineering, NMIT is the first college in India to introduce Robotics Engineering-Lego Mindstorms and TETRIX with Laboratory Course for II Year B.E Students. The course is on the lines of a few US/European Universities. Course Projects/Project Competitions/Internship have been introduced from 1st year of Engineering which will enable NMIT to inculcate Innovative thinking.

Highly qualified and experienced faculty comprising of 85Ph.Ds primarily from IISc, IITs & NITs will enable NMIT to create IISc/IIT/NIT culture among its students and to practice Outcome Based Education successfully. The College is having Several Technical/Entrepreneurship promoting clubs supported by Professional Bodies such as IEEE/IE/IETE/NEN/etc. There is a Hackathon club which helps the students to participate in International/National Level Competitions where students have been bagging several awards at the National Level. NMIT students have also been proving their talents from the past 3 years continuously by winning awards in Smart India Hackathon, which is the biggest Hackathon in the world initiated by the Govt. of India. Other events where our students outperformed are:

- Unisys Cloud 20/20 Contest

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- Bigbot League (Infosys)
- DHFL Fintech challenge
- Smart Odisha Hackathon
- Accenture Innovation Challenge
- CONSENSYS India Hackathon
- Rupay Contactless Ideathon
- 3M-CII Young Innovators Challenge Awards
- Carl Zeiss hackathon
- IoT Innovation Challenge
- SAE Baha/Supra
- Rally car Design Challenge
- National Solar Vehicle Championship
- GIISC-Reimagine Waste, Hackathon (IISc)
- ISGW (India Smart Grid Week)
- Etc.

These initiative and activities have resulted in the setting up of few successful start-ups by our Alumni and also by a few of our present students