



A Two day

Skill Development Programme

On

Kaushalya-02

Right tool - Accurate measurement – Better information

17 - 18 October 2022

Organized by

**DEPARTMENT OF
ELECTRICAL & ELECTRONICS ENGINEERING**



**NMAM INSTITUTE
OF TECHNOLOGY**

Nitte, Karkala Taluk - 574110,
Udupi District, Karnataka State, India

W: nmamit.nitte.edu.in |   

About Nitte (Deemed to be University):

Nitte (Deemed-to-be University) has its roots in a group of Institutions established by the Nitte Education Trust. The Trust was established in 1979 by one of India's respected Statesman, Late Justice KS Hegde, Supreme Court Judge and Speaker of Lok Sabha, with the mission of empowering rural youth through quality education and healthcare. The Trust has established 36 institutions spread in three campuses at Nitte, Mangalore and Bangalore. It offers education in diverse areas of learning, including health professions education, engineering, management, humanities, general education, vocational training, and school/pre-university education.

The University offers a total of 98 programs in the disciplines of engineering, medicine, allied health sciences, dentistry, pharmacy, nursing, physiotherapy, speech and audiology, biological sciences, media & communication, commerce, science, management and Architecture. It has 10,000+ students, over 875 faculty members and over 2475 support staff on roll. The University campuses are spread over 52 acres in Deralakatte-Paneer areas of Mangalore and 110 acres in Nitte. The University received A+ Grading in NAAC accreditation in 2021. It has been consistently placed in the Top 70-80 rank band in NIRF. The University is placed in the 401 to 450 Rank Band in the QS Rankings for Asia Region. It has received Diamond rating in the QS I-Gauge India Ratings. The Constituent colleges of the University have good standing in their disciplines in the NIRF rankings. In 2021, the dental college was ranked 6th and the medical college and pharmacy colleges were ranked 45th in NIRF. All the Undergraduate Programs of NMAMIT are accredited by NBA. Further, the BPharm program of the University is accredited by NBA. The teaching hospital is accredited by both NABH and NABL.

About the Institute

NMAM Institute of Technology (NMAMIT) established in 1986, approved by the All India Council for Technical Education, New Delhi, is now a constituent college of Nitte (Deemed to be University), Mangaluru. Nitte DU has been accredited with 'A+' Grade by NAAC; awarded Category 'A' status by MHRD GoI; ranked 77th in NIRF 2021 and is in the 401-450 band in the QS Asia University Rankings 2022 and 201-300 band in the Times Higher Education (THE) Impact Ranking 2022.

NMAMIT, Nitte offers 4-year BTech in Artificial Intelligence & Machine Learning, Biotechnology, Civil, Computer & Communication, Computer Science, Electrical & Electronics, Electronics & Communication, Information Science, Robotics & Artificial Intelligence and Mechanical. The approval from AICTE for starting Artificial Intelligence & Data Science is expected shortly. The Engineering programs are accredited by the National Board of Accreditation (NBA), New Delhi.

About the Department:

The Department of Electrical and Electronics Engineering, established in 1987, offers the undergraduate programme BE in Electrical and Electronics Engineering with an intake of 120. The BE program has been autonomous under VTU since 2007 and is accredited by the National Board of Accreditation. Department offers Post graduate program M.Tech in Electric Vehicle Technology under Nitte deemed to be university. The department is a recognized research centre under VTU Belagavi, with ultramodern facilities in Power Electronics, Power Systems and Electric Vehicles. The department provides the opportunity for the researchers to work on cutting-edge technologies like converter design using GaN, SiC devices and the upcoming mobility systems like EV. The state-of-the-art Laboratories in Power Electronics, Control Systems, Power Systems and High Voltage & Relay cater to the requirements of all Electrical and Electronics Engineering students. The department has an excellent rapport and MoU with industries and provides consultancy to a few start-up companies in Power Electronics and motor drives.

Outline of the Workshop:

Engineering Education is the basic platform to acquire the required technical knowledge and expertise to meet industrial needs. Students should nurture in them the essential skills to cop up with the industry. The main objective of laboratory experiments is to validate & verify the comprehension of theoretical concepts and to eliminate the influence of random assumptions. Hence this workshop aims at emphasizing the importance of laboratory experiments and to explore the use of equipment & components. The conceptual knowledge gained through the experiments enables students to elevate the application further to solve real-time challenges.

Program Schedule

Day	Session	Topic	Resource persons
Day 1	1	Overview of Courses in III semester	
	2	Orientation of Teaching learning process towards Outcome based Education	Dr. Girisha Joshi
	3	Introduction to MATLAB and usage campuswide MATLAB license	Mr. Md Abdul Raheman/ Mr. Pradeep Kumar
	4	Introduction to Simulink	Mr. Pradeep Kumar/ Mr. Md Abdul Raheman
Day 2	1	IPCC/21EE302 Network Analysis	Dr. Rajalaxmi Samaga
	2	IPCC/21EE303 Digital System Design	Mrs. Deepa K/ Mrs. Anupama B

	3	PCC/ 21EEL305 Analog Signal Processing Lab	Mr. Gururaj K/ Mr. Dhananjaya B
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COMMITTEES

Patron

Sri. N. Vinaya Hegde

President Nitte Education Trust
Honorable Chancellor, Nitte
(Deemed to be University)

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Dr. Rajalaxmi Samaga, Professor E&EE, PG coordinator NMAMIT

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Dr. Suryanarayana K, Professor & Head, E&EE

Coordinators

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Ms. Palimaru Aparna, Assistant Professor, E&EE