



A Two day

Student Development Program
on

Kaushalya-06

Right tool - Accurate measurement – Better information

9 – 10th January 2024

Organized by

**DEPARTMENT OF
ELECTRICAL & ELECTRONICS ENGINEERING**



Established under Section 3 of UGC Act 1956
Accredited with 'A+' Grade by NAAC

**NMAM INSTITUTE
OF TECHNOLOGY**

Off-Campus Centre, Nitte - 574 110, Karnataka, India

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 74 programs in the disciplines of medicine, allied health sciences, dentistry, pharmacy, nursing, physiotherapy, speech and audiology, biological sciences, media & communication and Architecture. It has 4600+ students, 575 faculty members and 2175 support staff on roll. The University campuses are spread over 52 acres in Deralakatte-Paneer areas of Mangalore.

The University received A+ Grading in NAAC accreditation in 2021. It has been consistently placed in the Top 65-80 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 2023, Nitte University has obtained 65th Rank, the dental college ranked 5th and pharmacy colleges ranked 46th in NIRF. The BPharm program of the University is accredited by NBA. The teaching hospital is accredited by both NABH and NABL.

About the Institute:

Nitte, established in 1986 and recognized by the All India Council for Technical Education, New Delhi, has been a constituent college of Nitte (Deemed to be University), Mangaluru, since June 2022. Rank band 101-150 in the National Institutional Ranking Framework (NIRF) 2023 by Ministry of Education, Government of India, the College has been placed under 'Platinum' category for having high industry linkages by the AICTE-CII Survey of Industry-Linked Technical Institutes 2020. NMAMIT, the off-campus centre of Nitte DU located at Nitte village, has active collaborations with several international universities and organizations for faculty and student exchanges, research, internships and placements.

The Institute offers UG engineering program in eleven disciplines; out of these programs, seven UG programs i.e., BT, CIV, CS, E&E, E&C, IS and MECH are accredited by NBA, New Delhi under Tier - I category till 30 June 2025. The institute also offers PG program M.Tech. in seven All the departments have qualified research guides for students interested in taking up research work leading to Ph.D.

About the Department:

The Department of Electrical & Electronics Engineering, established in 1987, offers UG and PG programs. The Department offers the undergraduate programme of B.Tech in Electrical & Electronics Engineering with an intake of 120 and Post Graduate Program M.Tech in Electric Vehicle Technology. The department establishing ultramodern research facilities in Power Electronics, Power Systems and Electric Vehicles. It 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.

Day	Session	Topic
Day 1	1	Introduction to Electro-Magnetics
	2	PCC/EE2602-1 Electrical Machines-1
Day 2	1	IPCC/EE2002-1 Instrumentation & Measurements Lab
	2	IPCC/ EE3002-1 Linear Control Systems Lab Role of Project based learning

COMMITTEES

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