

About the Institute

Nitte Mahalinga Adyanthaya Memorial Institute of Technology (NMAMIT), affiliated to VTU, Belagavi, an autonomous Institution offering UG, PG and Doctoral programmes. It is a unit of Nitte Education Trust, Mangaluru. It currently offers 9 UG programmes in engineering, 8 M.Tech programmes, MBA and MCA programmes. All the UG programs are accredited by NBA, New Delhi. The Institute is ISO 9001:2015 certified and also accredited by NAAC, New Delhi with A grade. The institute is ranked 133 in the NIRF ranking (Engg Institutes)-2020, Govt. of India. The Institute has been awarded "Diamond" rating by QS I-GAUGE Indian Institute Ratings. The college has signed MoU with reputed industries, research organizations, and International universities to promote close interaction in areas of recent technologies, Research & Development, and skill development programs.

About the Department

The Department of Mechanical Engineering at NMAMIT was established in the year 1986 with an intake of 40 BE students. Since then, the department has shown exponential growth and at present passing out strength of UG students is ~252 per year. The department has two master’s degree programmes namely Machine Design and Energy Systems Engineering with an intake of 18 students each. The department is accredited by the National Board of Accreditation (NBA) under Tier-1. The department has six centers of excellence. The research work carried out in micro-machining has won four awards in the prestigious IMTEX exhibition in the last 5 years. The most recent one is 2nd best prize for Research on “Two-axis TIG welding of Aluminium alloy with synchronized pulsating wire feeder” in the IMTMA-IMTEX-ToolTech2020 Exhibition held at Bengaluru in January 2020. The institute also won Best Student Project Award in the Fluid Power Society of India Exhibition 2019.

The Department of Robotics and Artificial Intelligence at NMAMIT was established in the year 2021 with an intake of 60 BE students. The major focus of the department is to produce Robotics and Artificial

Intelligence (AI) engineers of the highest quality who are professionally competent and highly qualified to suit the needs of industries and organizations by promoting excellence in teaching, learning and research. The program presents equal percentage of Robotics and Artificial Intelligence related courses.

Preamble

World is in the midst of a significant transformation regarding the way we produce products. Digitization of manufacturing process has affected many industries. Industry 4.0 refers to a new phase in the Industrial Revolution that focuses heavily on interconnectivity, automation, machine learning, and real-time data. Industry 4.0, also sometimes referred to as IoT or smart manufacturing, combines physical production and operations with smart digital technology, machine learning, and big data to create a more holistic and better-connected ecosystem for companies that focus on manufacturing and supply chain management. Due to the vast amount of scope available to explore in newer dimensions of interdisciplinary research, the academicians will be equipped to specify advanced electro-mechanical systems and techniques for student projects. It also provides an opportunity to collaborate with industries.

Objective:

- Design and Implement the basics as well as advanced Hydraulic system circuit as per the specification for Industrial Automation.
- Understand the Basic and advance Electro-hydraulic circuits.
- Design advanced Actuation System with PLC.
- Conduct Experiments on Industry 4.0, IOT and Artificial Intelligence Technologies” using “Modular Production System 203 I4.0 training kit.



**Five-day Industry supported
Faculty development program**
on
**ADVANCED HYDRAULICS
&
INDUSTRY 4.0**

IN ASSOCIATION WITH
FESTO
*Dec. 7th – 8th, 2021 at Festo India Pvt. Ltd,
Bommasandra Industrial Area, Bengaluru*
&
Jan 6th – 8th, 2022 at NMAMIT Nitte

Registration Form

Name:.....

Designation:.....

Highest Qualification:.....

Affiliation:.....

Department:

Telephone No:.....

Email:

Accommodation required or not:.....

DD Details:

DECLARATION BY THE PARTICIPANT

The information furnished above is true to the best of my knowledge. If selected, I shall attend the programme for the entire duration
Signature:

Date:

Place:

Endorsement by the Head of the Institution

Five-day Industry supported
Faculty development program

on
**ADVANCED HYDRAULICS
&
INDUSTRY 4.0**

**IN ASSOCIATION WITH
FESTO**

*Dec. 7th – 8th, 2021 at Festo India Pvt. Ltd,
Bommasandra Industrial Area, Bengaluru*

*&
Jan 6th-8th, 2022 at NMAMIT Nitte*

*Coordinators
Dr. Muralidhara*

Mr. Vincent L Dsouza

ORGANIZED BY
DEPARTMENT OF ROBOTICS & AI

&
DEPARTMENT OF MECHANICAL ENGINEERING

NMAM INSTITUTE OF TECHNOLOGY
NITTE -574 110.Karkala Taluk, Udupi District,

Patron :

Shri N. V. Hegde
President, NET, Mangalore

Chairman :

Dr. Niranjana N. Chiplunkar
Principal

Organizing Chairman:

Dr. Srinivasa Pai P, Professor & Head, Dept. of Mech. Eng.
Dr. Muralidhara, Professor & Head, Dept. of Robotics & AI

Advisors:

Shri Yogesh Hegde, Registrar
Dr. Ramesh R Mithanthaya, Vice Principal & Dean
Dr. Srinivasa Rao B R, Vice Principal & COE
Dr. A.N. Parameswaran, Prof & Director, IIC.
Dr. Sudesh Bekal, Professor & Dean R & D
Dr. Subrahmanya Bhat, Professor & Dean (student welfare)
Dr. Shashikantha Karinka, Professor
Dr. Shrinath Shetty, Resident Engineer
Dr. Mallikappa D N, Professor
Dr. Narasimha Marakala, Professor
Dr. Narasimha Bailkeri, Professor & 1st yr. coordinator

Coordinators :

Dr. Muralidhara
Mr. Vincent L Dsouza

Participants:

Faculty from engineering colleges, PG students and PhD
Research Scholars who are planning to pursue research in
Industry 4.0 and Automation can attend the FDP.

Resource Persons:

Trainers from FESTO DIDACTIC

Registration

The interested participants are requested to fill and send the
attached registration form to the coordinator on or before
the due date.

Important dates

Last Date of Receipt of
Application : **Dec 03,2021**
Intimation about Selection: **Dec 05,2021**
(Only through e-mail)
Last Date for confirmation **Dec 06,2021**
by participant

CONTACT FOR INFORMATION

**Please address all communications to the below mentioned
contact.**

Mr. Vincent L Dsouza

Assistant Professor, Dept of Mechanical Engg.
NMAM Institute of Technology, Nitte-574110
Karkala taluk, Udupi dist, Karnataka. India
Email: vincentldsouza@nitte.edu.in
Mobile: +91-9902419664