



## LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTE UNDER JNTUK, KAKINADA

Accredited by NAAC with 'A' Grade & NBA

Jonnada (Village), Denkada (Mandal), Vizianagaram Dist. – 535 005.

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### 3-Day Faculty Development Program on

## "ADVANCES IN MECHATRONICS - A lab perspective "

25-06-2020 TO 27-06-2020



Organized by

**Department of  
Mechanical Engineering**

in association with

**Dynalog India**

## About Institution:

Lendi Institute of engineering and technology a premiere Institution established by a divine body of committed intelligentsia of Visakhapatnam to cater to the need of young graduates of technologies. It is just 35Km from Visakhapatnam situated at outskirts of city in serene atmosphere having a divine touch of Lendi- A flower garden beside NH-43, Its aim is to create a unique scenario of eligible and elegant engineers to be brought out into the society to compete with and complete the realistic technological needs India. Lendi is established under the aegis of **SAI DHAMAM EDUCATIONAL TRUST**, Visakhapatnam which is born with the saccade objective of providing educations opportunities to the ever increasing engineering aspirants. Lendi backed up by the trust, incorporates in to the instruction of leadership competencies, citizenship, consciousness and personality development, moral ethical values that go beyond the curriculum, As the promoting trust Attaches equal importance to integrating human values into education.

## About Department:

The department started its journey in the year 2012 with a modest intake of 120 UG and 18 PG students from 2019. The department boasts of 4 PhD holders and with 8 members pursuing PhD among the twenty five faculty members. Within a short period of 5 years, the department is accredited by NBA, which itself is a feather in the department's cap. The Department has well equipped laboratories and infrastructural facilities, which includes high end simulation laboratory, CNC, R&D laboratory and projects lab. The faculty are trained to make the student reach their goals. They incline themselves to constantly upgrade their know-how in the field of engineering. The faculty and students have the habit of regularly publishing paper in journals and present them in conferences. They are members of various international organizations; which is one platform for them to enhance their latest know-how in the field of engineering.

## About The FDP:

As an initiative of the Department of Mechanical Engineering, we are organizing Faculty Development Programme (FDP) to address the Details of DYNA-1750 Transducer kit which will be help full for the faculty to get ready for mechatronics lab and in the field of mechatronics and robotics.

The Dyna-1750 Transducers & Instrumentation Trainer introduces about input sensors, output actuators, signal conditioning circuits & display devices through a wide range of hands-on practical activities.. It is possible to build and test complete Closed Loop Control Systems for Rotary Speed & Position making the trainer ideal for use in a control engineering teaching.

### Objectives of the Program:

In this program, we will be discussing on how a faculty can guide mechanical engineering graduates

- Exposure to apex technologies used in Mechatronics.
- To cope up with industrial requirements.
- Towards the effective usage of Dynalog kit for Mechanical students.
- Design and implementation of speed control systems, positional control systems, temperature control systems and light level control systems
- An introduction to basic control systems
- An evaluation of the various Input devices
- Applications in practical systems, evaluation of input requirements
- Investigation of control system characteristics (On/Off, Proportional, Proportional + Derivative & Proportional +Integral + Derivative)

### SCHEDULE:

- Day -1 - Introduction to Dynalog and its features.
- Day -2 - 1750 Transducer kit working and its usage.
- Day -3 - Real time application of Transducer kit.

## Other Details:

- An E-certificate will be issued to all the participants who attend the program for three days and pay the fee.
- Registration fee for the Program is Rs:100/- .
- The mode of payment for the participants is through Google pay (or) Phone pay to **+91-9966470870- (K. SRINIVAS)**
- **The sessions will be held from 11.00 AM -1.00 PM**
- **Registration link:** <https://forms.gle/4iWJriLD566-saYyr8>
- Last date of registration is 24-06-2020

**“Sessions will be held in Google meetings. Link will be shared to participants ”**

## RESOURCE PERSONS

**Mr. Sachin Vasant Koravi**

**SeniorEngineer – Technical Sales**

**DYNALOG INDIA LTD, MUMBAI**

**Dhanashri Tanaji Kearsrkar.**

**Production Engineer**

**DYNALOG INDIA LTD, MUMBAI**

## ORGANISING COMMITTEE:

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