

ONLINE AICTE Training and Learning (ATAL) Academics FDP Programme

On

ROBOTICS

[May 25-29, 2020]

Coordinator

Dr. Vijay Kumar Dalla

PhD (Robotics), IIT Roorkee

Asst. Prof., MED NIT Jamshedpur



Organized by

Department of Mechanical Engineering

National Institute of Technology Jamshedpur

in

Collaboration with AICTE Training and Learning (ATAL) Academy

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Dr. Ashok Kumar Mandal, MED, NIT Jamshedpur

Resource Persons

The speakers will be drawn from IITs, NITs, industries and other reputed organizations. Some speakers will be from National Institute of Technology Jamshedpur.

For

Participants have to be faculty of AICTE approved institutions/ Host Institutions/Research Scholar/PG Scholar

Important Dates:

Registration Closes on: 15.05.2020

Acceptance: 17.05.2020

No Registration Fee



About Institute and Jamshedpur

National Institute of Technology Jamshedpur was originally founded as Regional Institute of Technology in 1960. Later, upgraded to National Institute of Technology on 27th December 2002. In 2007 it is declared as Institute of National Importance. It is now totally under the control of Ministry of Human Resources Development (MHRD), Government of India, New Delhi, since April 2003. The institute offers B.Tech, M.Tech., Ph.D., M.C.A., M.Sc. degrees in various disciplines of Engg, Sciences, Management and Humanities.

About the Department

The Department of Mechanical Engineering offers an undergraduate program in Mechanical Engineering and postgraduate programs in Computer Integrated Design and Manufacturing, Thermal Engineering and Energy System Engineering and PhD program in various research areas. The department also runs three year certificate course in Mechanical Engineering for the employees of Tata Steel under Continuing Education Program. The Department has well qualified and experienced faculties and well - established laboratories to meet the requirement of UG, PG and PhD students

About ATAL Academy

All India Council for Technical Education (AICTE) through its newly established AICTE Training And Learning (ATAL) Academy have started unique

faculty development programs in various thrust areas of modern technology. 200 such programs have already been conducted in various government institutions benefitting around 10,000 faculties, research scholars & PG students during the FY 19-20. Seeing the success of this initiative, AICTE Training And Learning (ATAL) Academy have announced to organize 500 AICTE Training And Learning (ATAL) Academy FDPs across the country for FY20-21.

Objective

To plan and help in imparting quality technical education in the country and to support technical institutions in fostering research, innovation and entrepreneurship through training in various emerging areas.

Topics of Training Course:

- Introduction to robotics
- Kinematic modeling: transformations, forward kinematics and validate using a software (Robo Analyser or any other free software tool).
- Dynamic modeling, Bond Graph Technique
- Euler-Lagrange formulation
- Vision System, applications in robotics
- Sensors
- Robot Control, control experiment using Symbol Shakti software,
- Robot actuation systems,
- Control hardware and interfacing

Number of Seats: 50

Registration Fee: Free

Registration Link:

<https://forms.gle/Nf66HAXPd5w4PC8k9>

It is mandatorily required to send your institute ID Card. In case of any query, you may contact by email id: vijaydalla.me@nitjsr.ac.in of coordinator.

Conduction of Test and Issuance of Certificate

- A test shall be conducted at the end of the program.
- The certificate shall be issued to those who have attended the program without any absenteeism and scored minimum 60% marks in the test.

Address for correspondence of Coordinator:

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