

About SITCOE:-

It is matter of great pride and privilege to introduce our Institute. Shri.ShamraoPatil (Yadravkar) Educational & Charitable Trust's, Sharad Institute of Technology, College of Engineering, Yadrav (Ichalkaranji).SITCOE isAutonomous Institute, NBA accredited programs and NAAC 'A' grade Technical institution in the State of Maharashtra. SITCOE has been established in the year 2009 with a view to "Build a Bright Future" for the young people of the Rural part of our Country. The College is approved by AICTE, New Delhi, recognized by Govt. of Maharashtra i.e. DTE, Mumbai and affiliated to DBATU Lonere.

About Department:-

The department of Automation and Robotics is going to start by the Institute from A.Y. 2021-22 with a UG program of intake capacity of 60 and A.Y. 2023-24 UG program of intake capacity of 120. This program is approved by AICTE, New Delhi and Affiliated to the DBATU, Lonere Automation and Robotics is established to meet the growing demand for trained engineers in the field of Robotics and industrial Automation.

The Mechatronics Engineering is established in the year 2020, offering Undergraduate program (B. Tech.) with an intake of 60 students each. This program is approved by AICTE, New Delhi and Affiliated to the DBATU, Lonere The department is having laboratories which are equipped with some of the state-of-the-art equipments like PLC systems of different manufacturer's, Department is transforming the current labs into Industry 4.0

The Department of Mechanical Engineering was established in year 2009. It currently offers under graduate program (60 Intake). The department is NBA Accredited and well packed with highly motivated and dedicated faculties. The department also provides center of excellence like Design and innovation Centre of Autodesk, and TATA Technology ready engineer's lab.

About Workshop:

- This workshop focuses on the practical aspects of smart automation using industry-relevant tools.
- Participants will explore the fundamentals of industrial automation systems
- Hands-on training will be provided using Automation Studio for simulating hydraulic, pneumatic, and electrical circuits.
- PLC integration and troubleshooting techniques will also be covered.
- RoboDK will be introduced for robotic simulation and offline programming.

Course Objectives

- 1 To highlight the industrial automation systems.
2. To introduce participants to advance tools and techniques used in Automation
- 3.To familiarize the design automation circuits with PLC integration.
- 4.Create and validate robotic applications for industrial use.

Resource Persons

Mr.Pravin Bell

(Director,India soft Product Manger Automation studio,Pune)

Mr.Gokul S.

(Robotics engineer and programmer Autobots INC, Chennai- Pune Branch)

Course Content

Automation Tools and Platforms

- Introduction to Automation Studio Software
- Hands-on Sessions
 - Hydraulic, pneumatic, and electrical system simulation
 - PLC integration
 - Circuit design and troubleshooting
- Introduction to Robo-DK Software
- Hands-on Sessions
 - Creating and simulating a robot program in RoboDK
 - Offline robot programming

Eligibility and selection criteria

Faculty members/Research Scholars from AICTE approved Engg. Degree colleges are eligible to participate, Industrial person.

Registration Fees: Nil

-Venue-

Sharad Institute of Technology college of Engineering , Yadrav

Address: Gat No. 525, 473/A Behind Omkareshwar Temple, Yadrav, Kolhapur District, Ichalkaranji,

Registration Form

One week Faculty Development program

“SMART AUTOMATION POTENTIAL: TOOLS ,TECHNIQUES AND APPLICATION ”

25thJune to 29thJune

2025 Organized by

DEPARTMENT OF AUTOMATION AND ROBOTICS MECHANICAL ENGINEERING & MECHATRONICS ENGINEERING

Name : _____

Qualification: _____

Designation: _____

Department: _____

Address for correspondence:

Mobile No.:

Email ID :

Sign. of participant:

Chief Patrons

Hon. Dr. Rajendra Patil (Yadravkar)

Chairman, Shri.Shamrao Patil (Yadravkar)

Educational & Charitable Trust

Hon. Shri. Anil A. Bagane

Executive Director, Shri.Shamrao Patil

(Yadravkar) Educational & Charitable Trust

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(Dean, Administrative)

Advisors

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Dr. S. V. Kumbhar (Dean, Academics)

Mr. K. A. Patil (Dean, IIPC)

Dr.Sukanta Debanath (Dean, R&D)

Dr. S.S.Patil (Dean, Students affairs)

Dr.K.Sahu (Dean, TPO)

Convener

Dr. G.S.Patel (Head, Automation & Robotics. Dept.)

Dr.S.D.Patil (Head, Mechanical Engg.Dept.)

Dr.P.A.Bajakke (Head, Mechatronics Engg.Dept.)

Organizing Committee

Mr. G.V. Pujari (Coordinator)

Mrs. K.V. Joshi (Coordinator)

Dr. S.S. Patil (Coordinator)

Mr.A.A. Desai (Coordinator)

Dr.A .S.N. Husainy (Coordinator)

Mrs. R.S.Sajane (Coordinator)



Shri.ShamraoPatil (Yadravkar) Educational &
Charitable Trust's

SHARAD INSTITUTE OF TECHNOLOGY, COLLEGE OF ENGINEERING

YADRAV

(CHALKARANJI)

(An Autonomous Institute)

“NBA Accredited Institute”, “A grade accredited by
NAAC”, An ISO 9001:2015 Accredited Institute

**ISTE ,TRS and IIC
Approved¹**



One week Faculty program
on

“SMART AUTOMATION POTENTIAL: TOOLS ,TECHNIQUES AND APPLICATION ”

