

### About SITCOE:-

It is matter of great pride and privilege to introduce our Institute. Shri. Shamrao Patil (Yadravkar) Educational & Charitable Trust's, Sharad Institute of Technology, College of Engineering, Yadrav (Ichalkaranji).SITCOE is Autonomous 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** has started by the Institute from A.Y. 2021-22 with a UG program of intake capacity of 60. This program is approved by AICTE, New Delhi and Affiliated to the DBATU, Lonere. The department of 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 and Post Graduate in take of 12. This program is approved by AICTE, New Delhi and Affiliated to the DBATU, Lonere. The department has well equipped laboratories with the state-of-the-art equipments like PLC and also Department is transforming the current labs into Industry 4.0

The department of **Electrical Engineering** has been established in 2010. The department offers UG Program EE with intake of 60 students and it is accredited by NBA. The department has good infrastructure facilities and is equipped with full-fledged laboratories to fulfill the curriculum needs. The department is having experienced faculty. The department has its own library and computing facilities to carry out various purposes like project works, seminars, workshops, software simulation etc.

### About Workshop:

This course is basically a Faculty Development Program on "INDUSTRIAL AUTOMATION "

The objective of this FDP is to provide a forum for faculty to exchange the ideas on the state-of-the-art research and development and identify future research needs in this interdisciplinary emerging field . In this FDP opportunities will be provided for establishing confidence in the area of Industrial Automation .

To provide exposure to IOT/PLC/SCADA based Industrial Automation. Resource persons will be contributing their valuable insights on the above topics. Simulation training in PLC/SCADA/IOT provided.

### Course Objectives

1. Provide introduction to Internet of Things(IOT)
2. Different applications of IOT
3. Identify Hardware components of PLC
4. Write a PLC program in ladder logic
5. Interfacing PLC and SCADA with OPC communication
6. Develop SCADA screens

### Resource Persons

**Mrs.Shivani Sharma**

Sr. Automation Engineer, Siemens, Pune

**Mr.Santosh Kulkarni**

Sr.Service Engineer, Anshuman Tech Pvt. Ltd, Pune

**Mrs. Megha B Patil**

Application Engineer, VI Solutions, Bengaluru

### Course Contents

1. Recent trends in Industrial automation
2. Application of IOT
3. PLC Ladder Programming
4. Introduction to SCADA
5. SCADA Application Development.

### Target Audience

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

## “INDUSTRIAL AUTOMATION”

23<sup>rd</sup> Dec to 29<sup>th</sup> Dec, 2023

Organized by

**DEPARTMENT OF AUTOMATION  
AND ROBOTICS,  
MECHATRONICS ENGINEERING,  
& ELECTRICAL ENGINEERING**

Name \_\_\_\_\_

Qualification: \_\_\_\_\_

Designation: \_\_\_\_\_

Department: \_\_\_\_\_

Address for correspondence:

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Mobile No.:

Email ID:

Sign. of participant:

### Chief Patrons

Hon. Dr. Rajendra Patil (Yadavkar)  
Chairman, Shri.Shamrao Patil (Yadavkar)  
Educational & Charitable Trust

Hon. Shri.Anil A. Bagane  
Executive Director, Shri.ShamraoPatil  
(Yadavkar) Educational & Charitable Trust

### Patrons

Dr. S. A. Khot , Principal

### Advisors

Mr.S.V.Kumbhar, Dean Academics

Mr. B. B. Sangame, Dean Administrative

Mrs. P.D. Ghate, Dean FDP

Mr. K. A. Patil, Dean, IIPC

Mr. K. H. Shedbalkar, Dean, R&D

Dr. S. S.Patil, Dean, Students Affairs

Dr. Krishnkant Sahu, Dean T& P

### Convener

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

Dr.S.K.Shikalgar, Head, Mechatronics Engg. Dept.

Dr.K.Hussain, Head Electrical Engg. Dept

### Coordinators

Mr. G.V. Pujari, Automation & Robotics

Mrs. K .V. Joshi, Mechatronics Engg.

M r.C. S .Patil, Electrical Engg.

### Organizing Committee

All the faculty members  
of Automation & Robotics , Mechatronics  
Engg. And Electrical Engg. Departments.



Shri.Shamrao Patil (Yadavkar) Educational  
& Charitable Trust's

**SHARAD INSTITUTE OF TECHNOLOGY  
COLLEGE OF ENGINEERING**

**Yadav (Ichalkaranji)**

**(An Autonomous Institute)**

“NBA Accredited Programs”, “NAAC ‘A’ Grade  
Institute”, An ISO 9001:2015 Certified Institute

One Week Faculty Development Program  
in association with  
IEEE, ISTE & IIC



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on  
“INDUSTRIAL AUTOMATION”

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