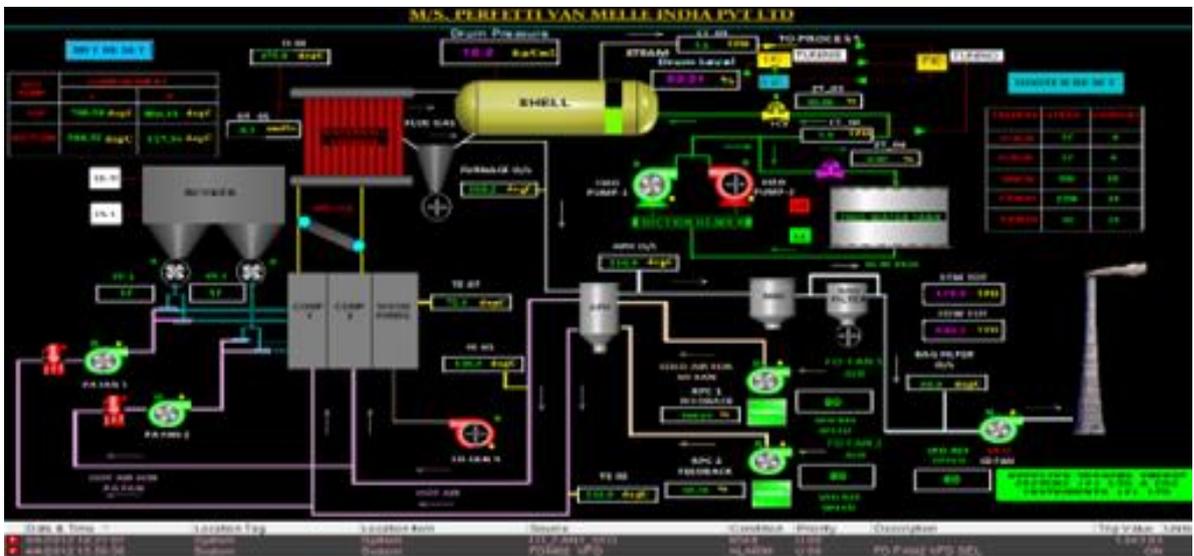


## A REPORT ON

# Five Days Add-On Course On “Advanced Industrial Automation Training”

12<sup>th</sup> September 2023 to 16<sup>th</sup> September 2023



Organized By



Department of Mechatronics Engineering

Marathwada Mitra Mandal's Institute of Technology, Lohgaon, Pune

Approved by AICTE New Delhi, Recognized by DTE Maharashtra & Affiliated to Savitribai Phule Pune

NAAC "A" Accredited Institute

## **Chief Patrons**

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**Dr. R. V. Bhortake**

Principal, MMIT, Lohgaon, Pune

## **Convenor**

**Dr. Mukesh Ghogare**

Head of Department, Mechatronics Engineering, MMIT, Lohgaon, Pune

## **Coordinator**

**Prof. Shashikant V Golande**

Assistant Professor, Department, Mechatronics Engineering, MMIT, Lohgaon, Pune

## **Speaker**

**Mr. Himanshu Kumar**

**Director - INDWELL Automation**

**Mangaluru, Karnataka, India**

**Objective of Add-on course:**

This Add-on course aims to provide Automation awareness of PLC, HMI, SCADA, DRIVES and ANALOG for students also provide some practical exposure with different kinds of applications in PLC, SCADA and HMI.

**Agenda:**

- Introduction about PLC
- Types of PLC: Leading hardware, Software, Logic development.
- Introduction about HMI: Interfacing with PLC, Screen development, digital & analog data configuration, analog data scaling.
- Introduction about SCADA: Interfacing with PLC, Screen development, digital & analog data configuration, analog data scaling.
- Introduction about AC Drive: hardware, parameter setting, speed, direction, acceleration, and deceleration time control of induction.
- Introduction about Analog Signal: standard signal type, block diagram, ATD and DTA conversion program and wiring, Interface with SCADA.

**Learning Outcomes:**

- Understand the PLC wiring & Industrial project development.
- Interfacing with PLC, screen development, digital & analog data configuration, analog data scaling.
- Selection and configuration, tag creation and configuration and industrial project development.
- Interfacing with PLC, multispeed & multidirectional control project.
- Understanding the analog signal, standard signal type, block diagram, ATD and DTA conversion program and wiring.

**Resource Person:**

Mr. Himanshu Kumar is Director with a demonstrated history of working in the industrial automation industry. Skilled in Research, Programmable Logic Controller (PLC), SCADA, Industrial Automation, Drives, Analog and HMIs. Strong professional with a diploma focused in Electronics and Communications Engineering from Govt. Polytechnic College, darbhanga. Distance MBA in project management

The guest speaker was invited by Prof. Shashikant V. Golande. The coordinator also given information about Marathwada Mitra Mandal's Trust and Marathwada Mitra Mandal's Institute of Technology (MMIT) Institute.

**The details about Add-on course -:**

Title of Add-on course: Advanced Industrial Automation Training

Date: 12<sup>th</sup> September to 16<sup>th</sup> September

Time: 8.30 A. M. to 3.30 P.M

Feedback Link: <https://docs.google.com/forms/d/1n-sO8FEOKMU1nb5DQkY3dj2mzEb2Vhm9GjFg8Anac7Y/prefill>

After successful completion of Add-on course, the Question Answer session was organized for participants.

**Vote of thanks:**

Prof. Shashikant V. Golande, Coordinator of Add-on course gave the vote of thanks expressing the gratitude towards resource person for sparing their valuable time from their busy schedule. He expressed thanks to Management for supporting and to Principal for motivating to arrange the Add-on course. The participants of the Add-on course wish to thank all resource person, and all the staff from MMIT for their dedication to show all aspects of the process, making the Add-on course is a valuable learning experience.

**The Add-on course was concluded with vote of thanks and feedback of Participants. After submission of Participants feedback, E-Certificate provided to Participants.**

Flyer of Add On Course



“Techno-social Excellence”  
**Marathwada Mitra Mandal's**  
**INSTITUTE OF TECHNOLOGY(MMIT)**  
**Lohgaon Pune 411047**

Approved By AICTE, New Delhi  
recognised by DTE Maharashtra  
Affiliated to Savitribai Phule Pune University



**Accredited With “A” Grade By NAAC**

# ADVANCED INDUSTRIAL AUTOMATION TRAINING

ADD ON COURSE

ON AUTOMATION SYSTEM PLC, HMI, SCADA, DRIVES TRAINING AND PROJECT  
ORGANISED BY

**Department of Mechatronics Engineering**

**DATE : 12 - 16 SEPTEMBER**

**TIME : 8.30 AM - 3.30 PM**

**FEE: RS. 1500/-**



**PLC**



**HMI**



**SCADA**



**DRIVE TRAINING AND ANALOG**



**INTERFACING PROJECTS**

**DR. RUPESH BHORTAKE**

**Principal**

*Marathwada Mitramandal's of Technology,  
Lohean*

**DR. MUKESH GHOGARE**

**HOD of Mechtronics Department**

**PROF. SHASHIKANT GOLANDE**

**Co-ordinator**

## Images of Add On Course





 GPS Map Camera



Google

Pune, Maharashtra, India  
JW6R+RM9, Lohegaon, Pune, Maharashtra 411047, India  
Lat 18.611936°  
Long 73.941529°  
13/09/23 09:39 AM GMT +05:30



 GPS Map Camera



Google

Pune, Maharashtra, भारत  
6, Wadgaon Shinde Road, Lohegaon, Pune, Maharashtra 411047, भारत  
Lat 18.612458°  
Long 73.942029°  
13/09/23 02:36 PM GMT +05:30





 GPS Map Camera

Pune, Maharashtra, भारत

6, Wadgaon Shinde Road, Lohegaon, Pune, Maharashtra 411047, भारत

Lat 18.612214°

Long 73.941445°

15/09/23 09:34 AM GMT +05:30



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Lat 18.612214°

Long 73.94143°

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411047, India

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Long 73.942008°

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411047, India

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Long 73.942008°

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