

## WHO CAN APPLY

Full time faculty from AICTE approved, Government / Government Aided / Engineering Colleges/ Polytechnics/ Research scholars from Government institutions, can participate. Eligible applicants will be selected on first come first served basis.

## IMPORTANT DATES

Last Date of Registration : 25.01.2024  
Intimation of Selection : 27.01.2024  
Selection will be on first come first served basis. Maximum 25 participants are allowed.

## ACCOMODATION, TA/DA, REGISTRATION

Institute will provide assistance for identifying the outside lodging and boarding facilities, if requested by participants/ Limited seats may be made available in Institute Boys Hostel.

No TA/DA will be provided by this institute to any participant. Tea, Lunch will be provided during the program.

**REGISTRATION :** Submit the details in Google form, Link below, upload scan copy of sponsorship letter from Head of the Institution in the same Google form. Participants can also send scan copy of registration form to Co-ordinator on email. No registration Fees.

<https://forms.gle/KR8Q3HPmutgEa99H9>

## CONTACT DETAILS

**Dr. Sanjay B. Ingole**, M.: 9371459644

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**Ms. M. S. Satpute**, M.: 8007607864

Email: [mssatpute@gcoen.ac.in](mailto:mssatpute@gcoen.ac.in)

## CHIEF PATRON

**Dr. Vinod Mohitkar**,  
Director  
Directorate of Technical Education, M.S. Mumbai.

## PATRON

**Dr. M. B. Daigavane**, Jt. Director.  
Technical Education, R.O. Nagpur

## CONVENER

**Dr. Rewatkumar P. Borkar**  
Principal  
Government College of Engineering, Nagpur

## COORDINATOR

**Dr. Sanjay B. Ingole**  
Associate Professor & Head, Mechanical Engineering, GCOE Nagpur.  
M.: 9371459644, Email: [sbingole@gcoen.ac.in](mailto:sbingole@gcoen.ac.in)

## CO-COORDINATOR

**Ms. M. S. Satpute**  
Assistant Professor, Mechanical Engineering  
M.: 8007607864, Email: [mssatpute@gcoen.ac.in](mailto:mssatpute@gcoen.ac.in)

## ADVISORY COMMITTEE

**Prof. D.S.Chaudhari**, Head Elec. & Telcom  
**Prof. N.D.Ghawghawe**, Head Electrical Engg  
**Prof. S.S.Pusadkar**, Head Civil Engg.  
**Dr. Latesh Mallik**, Head Computer Sci & Engg  
**Dr. S.N.Khante**, Dean ( R & QA)  
**Dr. R.S.Surjuse**, Dean (III & P)  
**Dr. S.W.Rajurkar**, Dean (Academic)  
**Dr. Rajashree R. Raut**, Dean (CA)  
**Dr. K.G.Asutkar**, Dean (Student Welfare)  
**Prof. P.B.Daigavane**, Dean (Infrastructure)

## ORGANIZING COMMITTEE

**Dr. R.B.Yarasu**, Asso.Professor & WS (I/C)  
**Shri. V. P. Titarmare**, Asst. Prof. Mech. Engg.  
**Shri. A.A.Uplap**, Asst. Prof. Mech. Engg.  
**Shri. S.R.Wagh**, Asst. Prof. Mech. Engg.

## Government College of Engineering Nagpur



Directorate of Technical Education,  
Mumbai

Sponsored

One Week Faculty Development Program

On

**Industrial Automation with IIOT  
and Robotics**

05 – 09 February, 2024



**Organized By**

**Department of Mechanical Engineering**  
Government College of Engineering  
Sector 27, Khapri, Nagpur (M.S.) –  
441108

[www.gcoen.ac.in](http://www.gcoen.ac.in)

## ABOUT THE INSTITUTE



Govt. College of Engineering, Nagpur is a premier Institute of Government of Maharashtra located in Central India. The Institute is established in the academic year 2016-17 at Nagpur, a fast developing city and the second capital of Maharashtra. It is located in the prime area of MIHAN which is an ambitious project of Govt. of India. This youngest institute has already conducted number of training programmes for technical up gradation of faculty as well as nonteaching staff. Institute is affiliated to RTM Nagpur University, Nagpur. In a short span, the Institute has taken efforts for strengthening the Industry-Institute Interaction to prepare the technocrats for the corporate world by introducing them to various expectations of the industry from the academia.

## ABOUT THE DEPARTMENT

The Department of Mechanical Engineering marked its beginning in 2016 with intake capacity of 60 students. The objective of the department is to empower the budding engineers with need based technical knowledge and skills through well qualified and experienced faculty and staff. The department has well equipped laboratories to help students enhance their practical knowledge. The department has tie ups with nearby industries which help in

strengthening the industry-institute interactions. The department encourages the students to participate in extra-curricular and co-curricular activities. Many passed out students have been serving in national and multi-national companies in software sector and core sectors. The students are keen to identify the needs of the society, fulfilling them through Unnat Bharat Abhiyan projects. Yaskawa India Pvt. Ltd has recently sanctioned Industrial Automation Kit to the department through CSR.

## PROGRAMME OBJECTIVES

The objectives of FDP are -

- To increase the awareness of automation (Mechatronics) Field.
- To identify the Role of Industrial Automation in Smart Technology Enabled Manufacturing and to foresee requirements of IoT based Mechatronics Systems.
- To understand kinematics, trajectory and motion planning of robots for specific task.
- To learn Robot simulation and programming practices.
- To aware the participants about application of automation technologies and functioning of Programmable Logic Controllers (PLC).

## COURSE CONTENTS

Broad areas to be covered in the Course –

- Introduction of Industrial automation & IIOT.
- Introduction to Robotics
- Programming in Robot studio (Offline)
- Introduction to PLC
- Microcontroller and intelligent sensors
- Application development using PLC
- Human Machine Interface
- Supervisory Control and Data Acquisition
- Smart Technology Enabled Manufacturing- Role of Industrial Automation.

## DTE Sponsored One week Faculty Development Program (FDP) on- “Industrial Automation with IIOT and Robotics”

05-09 February, 2024

Organized by,  
Department of Mechanical Engineering  
Govt. College of Engineering, Nagpur

## REGISTRATION FORM

1) Name : \_\_\_\_\_

2) Designation: \_\_\_\_\_

3) Educational Qualification: \_\_\_\_\_

4) Experience (Years): \_\_\_\_\_

5) Name of Institute \_\_\_\_\_  
& Department: \_\_\_\_\_

6) Mobile No.: \_\_\_\_\_

7) Email ID: \_\_\_\_\_

Date: \_\_\_\_\_

Sign. of Participant

This is certified that, Mr./Ms./Dr. \_\_\_\_\_  
\_\_\_\_\_ is a regular faculty of the institute. He/ She will be deputed for the said program and upon selection he/she will be relieved for attending the said FDP.

Date: \_\_\_\_\_

\_\_\_\_\_  
(Name & Signature)  
(Head of the Institute)

Seal of the Institute