

### About Karad

Karad is situated at the head of confluence of Krishna Koyana river, famous by the name 'Priti Sangam'. It is the holistic city known as Dakshin Kashi of Maharashtra.

With the vision of Former Deputy Prime Minister and first Chief Minister of Maharashtra Late Shri. Yashwantraoji Chavan, the special educational hub known as Vidyanagar was established which include Government Engineering, Polytechnic, Pharmacy, ITI and other colleges at single place very near to Karad city. Karad is well connected by roads and rails. An Asian highway 47 passes through the city. Karad also has a Railway station on Pune Miraj rail route.

### Government Polytechnic Karad



Government Polytechnic Karad was established in the year 1957. It is located in the educational hub 'Vidyanagar'. The institute has good campus located very near to Karad City. The institute offers seven diploma courses viz. Civil Engineering, Electrical Engineering, Mechanical Engineering, Electronics and Telecommunication Engineering, Instrumentation, Computer Engineering and Mechatronics.

At present the institute has 570 students intake capacity for seven different courses at first year including 180 intake for Second Shift (Minority) which started in 2012-13.

The Mechanical Engineering department was established in 1958. The Mechanical Engineering is having intake capacity of 60 in regular and 60 in the second shift. Mechatronics with intake capacity 30 started in 2022-23. The department has well equipped laboratories and teaching facilities.

### Patrons:

**Dr. Vinod Mohitkar**

Director, Directorate of Technical Education,  
Mumbai

**Dr. Pramod Naik**

Director, MSBTE, Mumbai

**Dr. Sunil Bhamare**

Joint Director, Technical Education, Mumbai

**Dr. Dattatray Jadhav**

Joint Director, Technical Education Regional  
Office, Pune

### Convenor:

**Dr. Suresh A. Patil**

Principal, Government Polytechnic, Karad

### Co-convenor:

**Mr. Ajit B. Haldule**

I/C Head of Mechanical Engineering

### Coordinator:

**Dr. Aniruddha A. Gadhihar**

Lecturer in Mechanical Engineering

### Co-coordinator:

**Mr. Manish M. Bhat**

Lecturer in Mechanical Engineering

### Organizing Committee:

**Mr. S.M. Salavi**

**Mr. D.M. Patil**

**Mr. S.P. Kadam**

**Smt. P.A. Pawar**

**Mr. S.D. Dubal**



One Week

Faculty Development Programme

On

**'Industry 5.0: Adding the  
Human edge to Industry 4.0'**

during

5<sup>th</sup> January to

9<sup>th</sup> January 2026

*Sponsored by*

**Directorate of Technical  
Education, Maharashtra State**

*Organized By*

**Mechanical Engineering Department**

**Government Polytechnic, Karad,**

Vidyanagar, Tal-Karad, Dist-Satara,

Maharashtra, Pin 415 124

email: [gpkarad.dte@gmail.com](mailto:gpkarad.dte@gmail.com)

website- [www.gpk.ac.in](http://www.gpk.ac.in)

### About the Course

Industry 5.0, based on moto of bringing back manpower into the factory along with intuition and creativity. Industry 5.0, also known as the Fifth Industrial Revolution, integrates advanced technologies with human creativity, creating a synergy between people and machines.

While Industry 4.0 is characterized by automation technologies, mass production, interconnectivity, digitalization and extensive data collection, Industry 5.0 prioritizes close interaction between smart machines and human workers, enhancing the role of people in the manufacturing process.

### Objectives of the course

- **Identify pillars of Industry 5.0**
- **Sustainable Green Designs and Manufacturing practices**
- **Role of Robots in manufacturing.**
- **Use of AI in Agri and healthcare.**
- **Additive Manufacturing-3D printing**

### Resource Persons

Eminent personalities from industries and reputed government organizations.

### Address for Correspondance

#### Dr. Aniruddh A. Gadhikar

Lecturer, Mechanical Engg. Department,  
Government Polytechnic Karad,  
Vidyanagar, Tal-Karad, Dist-Satara  
Maharashtra Pin 415124  
Contact No:75887 62260

email ID: [aniruddha.gadhikar@gpk.ac.in](mailto:aniruddha.gadhikar@gpk.ac.in)

#### Mr. Manish M. Bhat

Lecturer, Mechanical Engg. Department,  
Government Polytechnic Karad,  
Vidyanagar, Tal-Karad, Dist-Satara,  
Maharashtra Pin 415124  
Contact No: 98224 18453

email ID: [manish.bhat@gpk.ac.in](mailto:manish.bhat@gpk.ac.in)

### Registration

- The course is open for AICTE and DTE approved polytechnics of Maharashtra state. Maximum 2 participants per institute are allowed to participate.
- Accommodation will be provided by the institute in the institute premises.
- The selected candidates will be reimbursed fare via shortest route upon production of tickets and office order from respective Institute by DTE.

### Google form for Registration

Registration link

<https://forms.gle/EN2CDtB4NDDLymmc6>

### Important Dates

- Last date of Registration (through google form only) is 26<sup>th</sup> December 2025.
- Selected candidates will be intimated by email on 29<sup>th</sup> December 2025.
- Submission of hard copies of registration form at the time of registration.

### Target Group

Diploma Teaching faculties in all disciplines

### Course Material

Participants will be provided a softcopy of course material presented at the time of training.

### Mode of Training

Offline (Classroom)

### REGISTRATION FORM

One Week Faculty Development Programme  
on

**‘Industry 5.0: Adding the Human edge to  
Industry 4.0’**

during 5<sup>th</sup> to 9<sup>th</sup> January 2026.

Organized by

**Department of Mechanical Engineering  
Government Polytechnic, Karad**

Participant's Full Name: \_\_\_\_\_

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

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

Specialization: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_

Experience (Teaching/Industrial): \_\_\_\_\_

Contact No. \_\_\_\_\_

Email id: \_\_\_\_\_

Accommodation required: YES/ NO

Signature of Participant

This Application is recommended and  
forwarded.

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

Signature of Head of Institution with seal  
(Photocopy of this form can also be used)