

Experimental Method:

An experiment is a procedure carried out to support a hypothesis. Experiments provide insight into cause-and-effect by demonstrating what outcome occurs when a particular factor is changed. Experimentation is so important in all phases of engineering; there is a very definite need for the engineer to be familiar with methods of measurement as well as analysis techniques for interpreting experimental data. Research involves a combination of analytical and experimental work. The theoretician strives to explain or predict the results of experiments on the basis of analytical models which are in accordance with fundamental physical principles that have been well established over the years.

Course Contents

- Advance measurement technique and analysis
- Data acquisition, processing, statistical techniques
- Design of Experiments : Taguchi Technique, Grey relation analysis
- Experimentation planning
- Experimental Technique in Engineering
- Methods of assessing experimental design in Engineering
- Thermal parameter measurement
- Uncertainty Analysis

Speakers

Experts from institute of national importance, host institute and industrial professional will be delivering lectures in various sessions.

About the Institute

Govt. College of Engineering, Karad, established in 1960. It is one of the oldest premier Institutes in Maharashtra. Having celebrated its Golden jubilee GCEK looks forward to achieve a high level of excellence in education and research. The institute is apex level performer in Technical Education Quality Improvement Program (TEQIP-III) of Govt. of India and has been granted autonomy by the Govt. of Maharashtra and University grant commission and having third cycle of accreditation by NBA.

About The Department

Mechanical Engineering Department was established in 1960. It offers NBA accredited program at UG in Mechanical Engineering, PG in Heat Power Engineering, Production Engineering and Design Engineering. The Department has well equipped laboratories such as Condition Monitoring lab, Computer Integrated Manufacturing, Diesel fired steam power plant, Fluid Machinery, CAD/CAM, Fluid Testing, Refrigeration and Air Conditioning, Heat Transfer, Metallurgy, Metrology and Quality Control, Mechatronics, Non-conventional energy lab etc. The department has Automatic Solar Radiation Monitoring Station Sponsored by C-WET Chennai, which measures 18 different weather parameters. The department has vibrant culture in residential campus. Students are performing in various competitions, competitive examinations and bring laurel to the institute. They are equally participating in demand driven research adds to IPR.

Eligibility

Faculty members from AICTE approved Engineering colleges, Polytechnics; research scholars are eligible to attend the Short Term Training program.

GOVT.COLLEGE OF ENGINEERING, KARAD



ONE WEEK SHORT TERM TRAINING PROGRAMME (STTP)

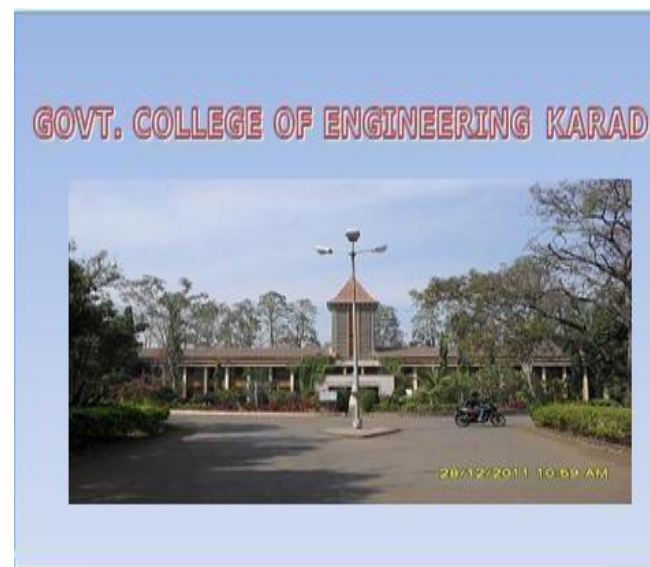
On

“Experimental Methods in Engineering”

5th- 9th July 2021

Sponsored by

**Technical Education Quality Improvement
Programme (TEQIP)**



Organised by
Department of Mechanical Engineering
Government College of Engineering, Karad

REGISTRATION FORM

Short Term Training Programme on

“Experimental Methods in Engineering”

(5th - 9th July 2021)

Name.....

Designation.....

Department.....

Organization.....

Address for communication

.....
Telephone/Mobile.....

Email.....

Date:

Place: Signature of applicant

Official seal Signature of competent authority

Registration may be completed using link and
uploading permission from employer

Link – <https://forms.gle/58B7ErSo2Ym5aHbw6>

PATRONS

Dr. Abhay E. Wagh

Director, Directorate of Technical Education,
Maharashtra State, Mumbai

Dr. P. M. Khodke

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Important Dates

- Last date for receiving online registration form
– 1st July 2021
- Date for intimation of selection
– 3rd July 2021

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