

Government College of Engineering, Karad
(An autonomous Institute of Government of Maharashtra)

One Week TEQIP STTP
on
Analytical and Experimental Methods in
Vibrations

26th Feb–02rd March, 2018
Sponsored by TEQIP Phase III

REGISTRATION FORM

Name: _____

Designation: _____

Institute/Organization: _____

Address for communication: _____

Mobile/Tel: _____

E-mail: _____

Educational Qualification: _____

Experience: _____

Registration Fee: Rs. _____

Payment DU No.: _____

Signature of Applicant

Signature of Head of the Institute (with seal and date)

Patrons

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Director, DTE, Maharashtra State, Mumbai

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Central Project Advisor, NPIU, TEQIP-III, New Delhi

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Joint Director, Regional Office, Pune

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Principal, Govt. College of Engineering, Karad

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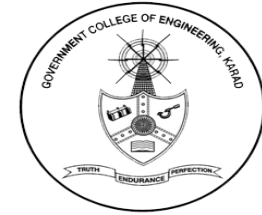
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Government College of Engineering,
Karad

(An Autonomous Institute of Govt. of Maharashtra)



Short Term Training Program (STTP)

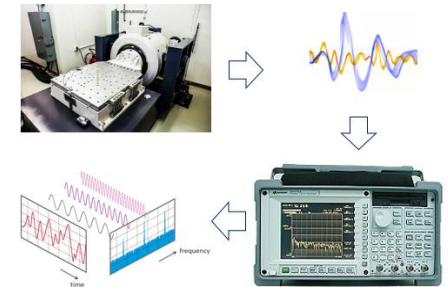
on

“Analytical and Experimental Methods in
Vibrations”

under

Technical Education Quality Improvement Programme
(TEQIP Phase III)

26th Feb-02rd March, 2018



Organized by

Mechanical Engineering Department
(Accredited by NBA)

Government College of Engineering,

Karad – 415124 (M.S.) INDIA

Website: www.gcekarad.ac.in

ABOUT INSTITUTE

Govt. College of Engineering Karad is a premier institute in Western Maharashtra established in 1960 due to the efforts of Late Shri. Yashawantrao Chavan. The College is affiliated to Shivaji University, Kolhapur and is acting as a vital education center for many years. Recently the institute also got autonomous status. The institute offers 5 UG programs in Civil, Mechanical, Electrical, Information Technology and Electronics & Telecommunication Engineering and also 6 PG programs in Civil (Construction Management & Structural Engg.), Mechanical (Heat Engg. & Production Engg.), Electrical Engineering (Power Systems) and Master of Computer Applications (MCA). Amongst the eleven institutes from Maharashtra state selected for participation in the third phase of Technical Education Quality Improvement Program (TEQIP-III) – an ambitious project of Government of India, Govt, College of Engineering, Karad is one of them. The institute is spread over 40 acres of serene and green campus and is a predominantly a residential campus. Karad city is situated on the confluence of rivers Krishna and Koyna and is well connected by rail and road (NH-4). The city is about 160 Km from Pune.

ABOUT STTP PROGRAM

Proposed STTP is a unique course it treats an extremely mathematical subject from an experimental point of view. It integrates mathematics, numerical tools, and experiments very well. Vibration is a common phenomenon occurring in mechanical system. Course is dedicated to understand the fundamental and advance concepts of mechanical vibrations for engineers and designers. Objectives of STTP are

- Fundamental understanding of vibration engineering through theory
- Provides more insight towards experimental techniques for vibration analysis

- Bridge the gap between theory of vibrations, numerical / simulation techniques and experimental analysis via demonstrations and tutorials.

COURSE INSTRUCTOR

Well-known experts from reputed engineering institutes and industries will conduct Sessions of the training program.

- Prof. P.S. Gandhi, IIT Mumbai ;
- Dr. H.G. Patel, Philips Health Care, Pune;
- Mr. Kavidas Mate, ANSYS Pvt. Ltd. Pune;
- Prof. S.P. Chavan, WCE Sangli;
- Mr. Rahul Mokhadkar, Cummins India Ltd.

ELIGIBILITY

Faculty members and research scholars from AICTE approved Engineering and polytechnic Institutes and Industrial persons are eligible to participate. Participants are required to register in advance using the enclosed form.

COURSE CONTENTS

- Fundamentals of vibrations & its mathematical treatments
- Numerical Methods for solution of vibration problems
- Hands-on sessions on MATLAB
- Simulation of vibration problems using ANSYS
- Signal Conditioning & Fault Diagnosis
- Experimental demonstration of vibration phenomena and development of mathematical model thereof
- Training on FFT Analyzer & Vibration Shaker
- Linear and Nonlinear vibration modeling and simulation using MATLAB
- Modal Analysis, Harmonic Analysis
- Advanced vibration analysis techniques

REGISTRATION

The Participants who will receive confirmation mail will have to send the filled and duly signed registration form along with the copy of registration fees payment proof by email

REGISTRATION FEES

Student Participant: Rs. 1000/- each
Faculty Participant: Rs. 2000/- each
Industry Participant: Rs. 4000/-each

After receiving the acceptance from us, pay the registration fees on-line. Traveling, Lodging, boarding and other expenses will have to be borne by the participant. However, guidance will be provided for accommodation.

The link for online payment is:

<https://www.onlinesbi.com/sbicollect/icollecthome.htm>

Note: For any queries regarding payment, please contact the coordinators.

- 1. Registration fee is inclusive of working lunch and program kit**
- 2. Accommodation on first come first serve basis**

DATE AND VENUE

The STTP program will be held during 26th Feb-02 March 2018 at Mechanical Engineering Department, Govt. College of Engineering., Karad.

- Last Date of Registration : 20th Feb 2018
- Notification of acceptance by e-mail: 21th Feb 2018
- Scanned copy of Completed Registration form should be send by email to Course Coordinators.