

REGISTRATION FORM

To,
The Principal
Government College Of Engineering, Karad.

Please enroll me for Faculty Development Programme
On

ADVANCES IN APPLIED MATHEMATICS TO ENGINEERING (MMAE- 2017)

(December 11-22, 2017)

Name -----

Designation -----

Institute -----

Gender: Male / Female

Postal Address -----

Email ID _____

Telephone / Mobile No. -----

Experience (Years): Teaching ----- Industry-----

Payment details -----
(Please provide DD Number)

Accommodation Required Yes / No

Signature of Applicant -----

Signature of Sponsoring Authority

(with date and seal)

(Photocopies of registration form are acceptable)

PATRONS

Dr. D. R. Nandanwar

Joint Director
Regional office Technical Education,
Pune

Dr. P. M. Khodke

Central Project Advisor, TEQIP-III

Dr. A. T. Pise

Principal
Government College of Engineering, Karad

LOCAL ADVISORY COMMITTEE

Dr. Y. M. Ghugal Prof. V. B. Waghmare
Dr. S. S. Mohite Dr. S. K. Hirde
Dr. S. S. Wagh Dr. P. C. Shetiye
Prof. B. A. Konnur Shri Barkade A. O.
Dr. V. S. Patil

ORGANIZING COMMITTEE PROGRAMME CO-ORDINATOR

Prof. S. M. Shinde

Assistant Professor, Department of Mathematics
Mobile No. 9404188286
shindesanjaykumar227@gmail.com

PROGRAMME CO-COORDINATOR

Prof. Mrs. U. V. Kanade

Assistant Professor, Department of Mathematics
Mob: 9822727367 (For Registration)
uv.kanade@gmail.com

Prof. P. G. Thorat Prof. Ms. Humne
Prof. S. B. Karadkar Prof. Ms. Veer
Dr. K. N. Alasundakar Prof. Kartha

Government College of Engineering, Karad

An autonomous institute of Government of Maharashtra



TWOWEEKS

FACULTY DEVELOPMENT PROGRAMME

On

**ADVANCES IN APPLIED MATHEMATICS
TO ENGINEERING
(MMAE-2017)**

December 11-22, 2017

Under
Technical Education Quality improvement programme
(TEQIP Phase III)



**Organized by
Department of Mathematics
Government College of Engineering
Karad-415124, Maharashtra State (India)**

INTRODUCTION

Mathematics is the search for truth and wisdom. It is also backbone of all disciplines. Mathematics play a key role in solving real world problems pertaining to almost all disciplines. There should be good combination and coordination between mathematics, its applicability and research. Mathematical methods are becoming popular to solve different Mathematical Equations in science and engineering design activities. They are extensively used in those Science and engineering design problems where the emphasis is on Solving or achieving a certain goal. This subject is attracting people of different backgrounds.

OBJECTIVES OF THE PROGRAMME

It is our intention to bring people together who are working in the field of Science and Engineering. Especially this programme is prepared for Mathematics teachers and also for Engineering Teachers and This training programme will provide an opportunity to new researchers to learn the advances in different Mathematical Methods and their applications which are more essential to Scientists and Engineers and also to know recent developments in field of Mathematics. This course may act as a forum to exchange ideas of researchers in different field of mathematics and engineering.

DATE AND VENUE

The TEQIP- Faculty Development Programme will be held during **December 11 - 22, 2017** at PG Seminar Hall, Government College of Engineering, Karad.

IMPORTANT DATES

Last date for receiving the Registration form:
November 30, 2017.

Declaration of list of selected Participants and intimation by Email: **December 05, 2017.**

LECTURE NOTES

To fully realize the objectives of the course, the lecture notes will be made available at the time of registration in CD form.

PROGRAMME CONTENTS

The course focuses on the following Topics

- Linear Algebra and its applications
- Discrete Mathematics and its applications
- Ordinary Differential Equations
- Partial Differential Equations
- Numerical Methods, Interpolation, Numerical Differentiation and Integration
- Numerical Solutions of ODEs & PDEs
- Laplace transforms and its applications
- Fourier Series and Fourier Transforms
- Wavelet Transforms
- Z Transforms and difference equations
- Variational Calculus
- Complex Analysis.
- Curve Fitting, Method of Principle of least Squares, Correlations, Regression
- Optimization: LPP, Nonlinear Programming problems, Integer Programming, Dynamic programming, Decision analysis,
- Others etc.

FACULTY

The teaching faculty constitutes experts from various engineering disciplines of our institute, IITs, NITs and other Government/Private Engineering Colleges. Experts from different specializations will be delivering lectures in various sessions. Each session would be followed by interactive sessions on the subject matter.

ELIGIBILITY

Faculty members from AICTE approved Engineering colleges, Pharmacy colleges and Polytechnics are eligible to attend the Faculty Development Programme.

ABOUT THE CITY

Karad city is a historical place for tourism. This city is situated near the Pritisangam of famous rivers Koyana and Krishna. Koyana dam is about 60 kms from Karad where by hydroelectric projects major part of electricity is generated. The city is well connected by roads, rails and air route. The atmosphere of Karad in December is very pleasant. This place is 170 kms away from Pune and 70 kms from Kolhapur.

ABOUT THE COLLEGE

Government College of Engineering, Karad has been established by Govt. of Maharashtra in 1960. Also Institute has become autonomous since from academic year 2015-16. It fulfills the educational needs to engineering for rural as well as urban students. It is one of most premier institute in the Shivaji University. The College offers five undergraduate and Six post graduate courses.



REGISTRATION FEE

1. Faculty Participants: 2000/-
2. Student Participants: 1000/-
3. Industry Participants 3000/-

Travelling, lodging and boarding, during the course will have to be borne by the participant. No TA/DA will be provided. Accommodation will be provided on advance payment only in institute hostels depending upon availability. All the payments shall be made by Demand Draft in favour of **Principal, Government College of Engineering, Karad** payable at Karad.

ADDRESS FOR CORRESPONDANCE

Interested participants are informed to send completed Registration form along with demand draft to the following address.

Prof. S. M. Shinde

Coordinator MMAE2017

Department of Mathematics

Government College of Engineering

Karad – 415124, Maharashtra State, India

Scanned copy of Completed Registration form may send by Email to mmae2017@gmail.com

or

sanjaykumar.shinde@gcekarad.ac.in