Government College of Engineering, Karad

REGISTRATION FORM Staff Development Programme On "Scientific Computing Using OCTAVE"

Name			
Designat	ion	 	
Institute -	•	 	

Gender: Male / Female

Postal Address - \_\_\_\_\_

Email ID-		

Telephone / Mobile No. - \_\_\_\_\_

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

Payment details-

(Please provide DD Number & Bank Name)

ISTE Membership No. - \_\_\_\_\_

Undertaking-

I shall abide by rules and regulations and shall attend course in fulfilling which certificate may not be issued.

Signature of Applicant - \_\_\_\_\_

Signature of Sponsoring Authority (With date and seal)

PATRONS

**Dr. S. K. Mahajan** Director Directorate of Technical Education, Maharashtra State, Mumbai

**Prof. D. R. Nandanwar** Joint Director Technical Education, Regional Office, Pune

**Dr. P. M. Khodke** Principal Government College of Engineering, Karad

#### **COURSE COORDINATOR**

Prof. V. B. Waghmare

Head Department of Electrical Engineering

## **COURSE CO-COORDINATOR**

Mr. V. B. Suryawanshi

Assistant Professor

Department of Electrical Engineering

# ADDRESS FOR CORRESPONDANCE

The Coordinator, STTP On <u>"Scientific Computing using</u> OCTAVE"

20-25<sup>th</sup> JUNE 2016

Department of Electrical Engineering, Government College of Engineering, Karad VidhyaNagar Dist –Satara (M.S.) 415 124 Mobile No.- +919975595850

# Government College of Engineering, Karad

(An Autonomous Institute of Govt. of Maharashtra)





Short Term Training Program on

"Scientific Computing Using OCTAVE"

Approved by Indian Society for Technical Education

<u>Under</u> Technical Education Quality Improvement Programme (TEQIP Phase II)

# 20-25<sup>th</sup> June 2016

GOVT. COLLEGE OF ENGINEERING KARAD



Organized by Department of Electrical Engineering, Government College of Engineering Karad–415124(M.S.) INDIA Website: www.gcekarad.ac.in

## Introduction:

**GNU Octave** is software featuring a highlevel programming language, primarily intended for numerical computations. It provides a commandline interface for solving linear and nonlinear problems numerically, and for performing other numerical experiments using a language that is mostly compatible with MATLAB. It may also be used as a batch-oriented language. It is part of the GNU Project, it is free software under the terms of the GNU General Public License.

Octave is one of the two major free alternatives to MATLAB, the other one being Scilab. Scilab however puts less emphasis on (bidirectional) syntactic compatibility with MATLAB than Octave does.

# **SCOPE OF COURSE**

- Octave is written in C++ using the C++ standard library.
- Octave uses an interpreter to execute the Octave scripting language.
- Octave is extensible using dynamically loadable modules.
- Octave interpreter works with gnuplot and Grace software to create plots, graphs, and charts, and to save or print them.

# **COURSE DETAILS**

- Programming In OCTAVE
- Linear Algebra
- Numerical Integration and Differentiation
- Nonlinear Equations
- Differential Equations

## **Course Duration:**

One Week (20<sup>th</sup>-25<sup>th</sup> June 2016)

# Last Date for Receipt of Application Form: 15<sup>th</sup> June 2016

**Faculty:** The resource persons for the program shall include experts from academic/research organizations and industry, and faculty from GCE, Karad and other engineering colleges of repute.

# WHO SHOULD ATTEND

This is a general workshop that can be attended by all UG/PG students, faculties and researchers.

## REGISTRATION

To register for this course, the applicants are required to submit a demand draft issued in favour of **"Principal, Govt. College of Engineering, karad**" payable at **Karad**. The details of the fees are as follows:

Registration Fees (Rs.) 1.Faculty Participants:1500/-2.Student Participants:1000/-3.Industry Participants:2000/-

Also send a proof of your identity and designation for claiming the category.

\* The participants have to bear their own travelling and accommodation expenses.

**\*\*** Limited accommodation may be provided on *first come first serve* basis to the participants, based on the availability of rooms in the institute of Post graduate Hostels.

# THE INSTITUTE

Government College of Engineering, Karad is one among seven engineering colleges established by State Government of Maharashtra and first among those established post independence. The prime objective of establishing college was to impart quality technical education to the vouth in rural part of Maharashtra. Basically three institutes i.e. Engineering College, Government Polytechnic and Pharmacy College started functioning in the same premises. Other Colleges were then shifted to their independent premises and the heritage building was retained by the college DEPARTMENT OF ELECTRICAL **ENGINEERING** 

The Electrical Engineering Department was established in 1960. The vision of the department is "To produce electrical engineering graduates to meet the requirements of industry with professional, ethical and social responsibility". To impart quality education in electrical engineering. The mission is "To upgrade curricula continuously to meet the industrial requirement. To develop ability for research, innovation and entrepreneurship."

#### KARAD

Karad is one of the historic cities of Maharashtra, located at a distance of about 50 km from Satara City Karad was a prominent territory under the empires of Mauryas,Chalukyas,Bahmanis,Rashtrakutas, Marathas,PeshwasSatavahanas, Mughals and the British., etc.