

Government College of Engineering, Jalgaon

(An Autonomous Institute of Government of Maharashtra &
NAAC Accredited)

One Week Faculty Development Program on

“Application of Soft Computing Techniques in Research”

25 Feb-1 March, 2019

Sponsored by TEQIP III

REGISTRATION FORM

Name: _____

Designation: _____

Institute/Organization: _____

Address for
communication: _____

Mobile/Tel: _____

E-mail: _____

Educational Qualification _____

Experience: _____

Registration Fee: Rs. _____

DD/Cheque details.: _____

Signature of Applicant:

Signature of Sponsoring Authority (with seal and date)

*The participants can remit the amount via NEFT/ IMPS to
account given below*

Details of Bank Account

Account No: **067010210000024**

IFSC Code: **BKID0000670**

Name of account : Principal, Govt. College of Engg, Jalgaon

Bank: Bank of India, Branch: Jalgaon

Patrons

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SPA, SPIU & Director, DTE, M.S, Mumbai

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Chairman, BoG, Govt. College of Engineering, Jalgaon &
Chairman, Jain Irrigation Systems Ltd. Jalgaon

Shri D. P. Nathe

Joint Director, Technical Education
Regional Office, DTE, Nashik

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Principal, Govt. College of Engineering, Jalgaon

Dr. D. Patnaik

Principal, Govt. College of Engineering, Kalahandi

Convenors

Prof. R. D. Kokate

Professor, TEQIP-III Coordinator

Dr. Chittaranjan Das

TEQIP Coordinator, Govt. Engg. College, Kalahandi

Coordinator

Dr. S S Pusadkar

Head, Dept. of Civil Engineering

Co-Coordinator

Dr. V R Saraf

Assistant Professor
Dept. of Civil Engineering

Technical Advisory Committee

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Dr A R Phadake

Mr D.V.Chaudhari

Dr G M Malvatkar

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Organizing Committee

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(An Autonomous Institute of Govt. of Maharashtra &
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“Globally Accepted Engineers with Human Skills”

In association with

**Government College of Engineering,
Kalahandi, Orissa**

(Mentee Institute)



One-Week Faculty Development Program

on

“Application of Soft Computing Techniques in Research” (ASCOTER-2019)

Under

**Technical Education Quality
Improvement Program- Phase III**

25 Feb-1 March, 2019

Organised by

Department of Civil Engineering
Govt. College of Engineering,
Jalgaon, NH-6 Maharashtra, 425001
Ph.No: 0257- 2281522,2280534
<https://www.gcoe.ac.in/>

ABOUT THE INSTITUTE

Govt. College of Engineering Jalgaon is a premier institute in the 'Khandesh' region of Maharashtra established in 1996. Presently the college is an autonomous institute of Govt. of Maharashtra affiliated to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon and is acting as a renowned educational institute from many years. The institute offers six UG programs and one PG programs. The Mechanical and Instrumentation department of the institute are accredited by NBA. The institute is also Accredited by NAAC with grade B+. The department of Mechanical, Instrumentation, Electrical, Civil, E&TC Engineering are the approved research centres of the KBC North Maharashtra University, Jalgaon. Civil Engineering Department was started from 2010-2011 with intake of 60.

INTRODUCTION

Optimization algorithms are becoming popular in engineering design activities. They are extensively used in those engineering design problems where the emphasis is on maximizing or minimizing a certain goal. Many modeling tools and techniques such as Genetic Algorithm, Artificial Neural Network, Fuzzy Logic, Differential Evolution, Particle Swarm Optimization, Ant Colony Optimization have been used by researchers and experts for planning, development and management of resources. The basic aim of the proposed short term training programme is to make participants aware of the basics of engineering optimization methods and applications of soft computing tools.

This TEQIP- short term training programme is made interdisciplinary so that the participants of all disciplines will be aware of application of soft computing tools.

COURSE CONTENTS

Following topics will be covered

1. Genetic Algorithm
2. Artificial Neural Networks
3. Fuzzy Logic
4. Differential Evolution
5. Particle Swarm Optimization
6. Ant Colony Optimization
7. ANN
8. Fuzzy Linear Programming,
9. Introduction to Statistical tools.

ELIGIBILITY

Faculty members from AICTE approved Engineering colleges, Pharmacy colleges and Polytechnics/ Research scholar/ MTech students are eligible to attend the TEQIP-Short Term Training Programme.

REGISTRATION

Candidates should complete the enclosed registration form, and send it by mail/by post to the Coordinator. Confirmation of eligible candidates will be on a first come first served basis up to a maximum of 40 candidates (Approx.). The completed registration forms should be received by the Coordinator by February 20, 2019. The selection of the participants for the TEQIP-STTP will be communicated by e-mail immediately after

receipt of registration form and DD/online payment.

REGISTRATION FEE

Faculty Participants : Rs. 1500/-
Industry Participants : Rs.3000/-
Research Scholar/ MTech Student Participants : Rs.1000/-

Traveling, Lodging, boarding and other expenses will have to be borne by the candidates. Accommodation will have to be managed by the participants only. However, the guidance will be provided for accommodation. All the payments shall be made by Demand Draft in favour of **Principal, Govt. College of Engineering, Jalgaon** payable at Jalgaon.

FACULTY

The teaching faculty constitutes experts from various engineering disciplines of reputed institute, such as IIT's, NIT's and Government/Private Engineering Colleges.

ADDRESS FOR CORRESPONDANCE

Dr. V R Saraf

Co- Cordinator, ASCOTER-2019
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