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

One Week FDP
On
Machine Learning and Artificial Intelligence
10th June to 15th June, 2019

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

Dr. A.E. Wagh
Director, Technical Education, M.S.

Prof. (Dr.) P. M. Khodke
CPA, NPIU, TEQIP-III, New Delhi

Prof. D. R. Nandanwar
J. D., Regional Office, Pune
Prof. Dr. J. P. Yavalkar
Co-ordinator,SPFU,Mumbai,M.S.

Prof. (Dr.) A. T. Pise
Principal, Govt. College of Engineering, Karad
Prof. (Dr.) S. P. Pande
Director,Rajkiya Engineering College,Azamgarh

Conveners
Prof. Dr. Ramakant K. Shrivastava
Head & Associate Prof. (Mech.Dept.), GCEK

Prof. B.S.Patil
Head, MCA, GCEK
Prof. Vijay Kumar
Head &Asst. Prof. (Mech. Dept.)
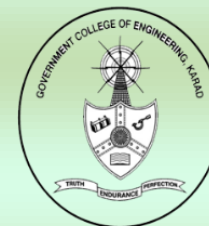Rajkiya Engineering College,Azamgarh

Coordinators
Prof. Dr. Suhas P. Deshmukh
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Organizing Committee

Prof. L.L.Kumarwad	Smt.P.P.Shinde
Mrs. S.V. Patil	Mr. S.M. Kagadi

Government College of Engineering, Karad
(An Autonomous Institute of Govt. of Maharashtra)

Faculty Development Programme(FDP)
On
Machine Learning and Artificial Intelligence
Sponsored by
Technical Education Quality Improvement Programme
(TEQIP Phase III)
10th June to 14th June, 2019
Organized by
Department of Mechanical Engineering
Government College of Engineering,
Karad – 415124 (M.S.) INDIA
With
Department of Master of Computer Applications
&
Department of Information Technology
Rajkiya Engineering College
Aikbalpur, Sikrapura, Deogaon, Azamgarh
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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

ABOUT FDP

As part of TEQIP-III, a Faculty Development Programme (FDP) on "Machine Learning and Artificial Intelligence" is being conducted at GCEK, Maharashtra to the faculty members of Engineering, Research Scholars and other allied disciplines from India. This FDP is devoted to fundamental theory, recent developments and research outcomes addressing the related theoretical and practical aspects of Machine Learning techniques for engineering applications in wide area. The FDP also aims hands-on using MATLAB for techniques to be used for implementing applications that require machine learning algorithms.

Course objectives

>To learn and understand different soft computing techniques used for the various engineering applications.

>To enhance the knowledge and technical skills of the participant through the workshop.

>To provide the knowledge of latest research innovations to the participants so that future generations get maximum benefit.

Program Outcome

The participant should be able to understand and apply different soft computing techniques and machine learning algorithms to the various engineering applications.

COURSE INSTRUCTOR

Faculties from reputed institutes like IITs/NITs, Universities and Industries.

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

- ✓ Introduction to Machine Learning
- ✓ Types of classification, supervised and un-supervised learning.
- ✓ Statistical pattern recognition techniques- SVM, KNN etc.
- ✓ Operations &Applications of ANN and types of neuron activation functions.
- ✓ Deep Learning.
- ✓ Optimization techniques (PSO,GA,etc).
- ✓ Development of rule base and decision making system.
- ✓ Applications of fuzzy systems
- ✓ Journal Selection/Preparation/Submission (Scopus/SCI indexed)
- ✓ Design of Fuzzy Logic Controller in MATLAB/SIMULINK

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

The registration fees shall be paid on-line after receipt of acceptance from us. Traveling, Lodging, boarding and other expenses will have to be borne by the participant. Accommodation will have to be managed by the participants only. However, the 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 breakfast, high tea, working lunch and program kit

2. Accommodation on first come first serve basis

DATE AND VENUE

The FDP will be held **10th June to 14th June, 2019** at P.G.Hall, Govt. College of Engg., Karad

- **Last Date of Registration: 1st June 2019.**
- **Notification of acceptance by e-mail: 5th June 2019.**
- **Scanned copy of Completed Registration form should be send by email to course Co-coordinators.**