

About Institute :

Mumbai Educational Trust (MET) is a public charitable trust established in year 1989 with a mission to radically redefine education system in India. MET League of colleges has contributed over 30,000 professionals to the Indian and global business houses.

In the line with its commitment to provide world class education in India, MET has created state-of-the-art Bhujbal Knowledge City (BKC) at Nashik, Maharashtra. It promises to be the answer to the ever changing need of education scenario. The campus is situated at Adgaon, Nashik, with 34 acres of lush green landscapes having 4 lack sq.ft. of campus building spaces. The college offers Institute of Engineering, Institute of Management, Institute of Pharmacy, Institute of Technology (Polytechnic), Institute of Information Technology, Institute of Distance Learning.

Institute of Engineering offers various disciplines viz. Computer, IT, MCA Electronics, Electronics & Telecommunication, Mechanical, Electrical, Civil imparting UG and PG education along with research, approved by AICTE and Affiliated to Savitribai Phule Pune University, Pune. MET's BKC has excelled in academics, cocurricular and Extra-curricular activities.



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Trustee, MET's BKC, Nashik

Hon. Pankaj Bhujbal

Trustee, MET's BKC, Nashik

PATRON

Dr. V. P. Wani

Principal,

MET's Institute of Engineering, BKC, Nashik

CONVENER

Prof. Namita R. Kale

Head, Information Technology Department

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Prof. Kirti A. Patil

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For more details please visit:
www.metbhujbalknowledgcity.ac.in

State Level Faculty Development
Program on

MACHINE LEARNING AND ALGORITHMS

21st to 23rd Dec, 2017



Sponsored by



BCUD, SPPU, Pune

Organized By

Institute of Engineering,

Department of Information Technology

THE MET LEAGUE OF COLLEGES
MET
AS SHARP AS YOU CAN GET

Bhujbal Knowledge City

Adgaon, Nashik - 422003

Tel.: (0253) 2303442, 2303515 | Telefax: (0253) 2303203

Website : metbhujbalknowledgcity.ac.in

ISO 9001:2008 certified. MET is an NGO in special consultative status with UN (ECOSOC)

Programme Objectives:

This FDP will be focused on exploring various Machine learning concepts. It will help participants to gain hand-on experience on machine learning algorithms using python and other tools.

COURSE CONTENTS:

Introduction to Python

- Basics of python
- Data types, variables, keywords, input processing
- Decision Making statements
- Looping Statements
- Lists and Tuples

Data Preprocessing

- Get the dataset
- Importing the Libraries
- Importing the Dataset
- Missing Data
- Categorical Data
- Splitting the Dataset into the Training set and Test set
- Feature Scaling

Regression

- What is Regression
- Simple Linear Regression
- Multiple Linear Regression
- Polynomial Regression

For all kinds of methods

- Theoretical introduction
- Accepting and using datasets
- Practical example
- Application approach

Classification

- KMeans Classification
- Equation
- Algorithm
- Euclidean Distance

Clustering

- KMeans Clustering
- Initialization Trap
- Choosing right number of Clusters

Deep Learning

- Artificial Neural N/w
- The Neuron
- Activation Function
- How Neural Networks work
- Stochastic / Gradient Descent
- Backpropagation
- Practical Applications

TARGET PARTICIPANTS

Faculty members, Research scholars, Academicians, Industry persons and PG Students

DATE AND VENUE

Faculty Development Program will be held during 21st to 23rd Dec, 2017 at Institute of Engineering, second floor, Computer center lab.

REGISTRATION

Registrations are open till 16th Dec. 2017.

Registration Fees-

Research Scholar :	Rs. 1000
Academicians/ industry person :	Rs. 1200

Payment options towards registration fees-

- Cash
- Demand Draft drawn in favor of "MET's Institute of Engineering" payable at Nashik.
- Net banking account details-

Account Name : MET's Institute of Engineering

Account Number : 50100117406742

IFSC Code : HDFC0002041

Bank : HDFC Bank (Panchavati Branch), Nashik

*Please save transaction receipt for your reference.

Registration charges including registration kit, Tea and Lunch arrangements

Accommodation will be provided for outstation participants on prior information

For more details please visit:

www.metbhujbalknowledgecity.ac.in

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21st to 23rd Dec, 2017

Registration Details

1)Name: _____

2)Designation: _____

3)Institute/ Organization: _____

4) Address: _____

5) Contact No: _____

6) Email ID: _____

7) Mode of Payment :

☐ Cash

☐ DD

☐ NEFT

Date: _____

Signature of Applicant :

Sign. & Seal of forwarding Authority :