

Important Details:

Last Date for Registration: January 7th, 2020

**Early Bird Discount Rs. 500/-,
if registered before 03/01/2020.**

Seats: 30 seats (first-cum-first-served basis)

Duration: 3 days, 20 hours

Registration Fee:

- Faculty Members/Research Scholars/ Students of MTECH/ MCA/ MPHIL/ PhD.: Rs. 2,500/-

Note: The above mentioned fees include High Tea, Lunch and Certificate

Mode of Payment:

DD/ Cash/ NEFT/ RTGS

DD: Demand draft to be drawn in favour of "**Tilak Maharashtra Vidyapeeth**" payable at Pune.

NEFT/ RTGS: Fees can be paid by NEFT/RTGS. Bank details are as follows.

Bank Details:

Account Name:

Tilak Maharashtra Vidyapeeth

Bank of Maharashtra,

Branch : TMV Colony, Pune

A/C No : 60328672656

IFSC Code: MAHB0000320

MICR : 411014056

Please mail following details of amount transferred to tmvcompscience@gmail.com

1. Name of participant.

2. Reason for which amount is deposited
3. Screen shot /Softcopy of transaction.

How to Apply:

URL: <http://bit.ly/AiMIFDP>

or

Scan QR code



Contact Details:

Mr. Vikrant Gujar

Email: tmvcompscience@gmail.com

Contact number: 020-24403089

Venue:

C-406, 4th Floor,

Department of Computer Science,

Tilak Maharashtra Vidyapeeth,

Gultekadi, Pune 411037.

Organizing Committee:

Dr. Abhijeet Parchure

Ms. Asmita Namjoshi

Ms. Minal Kalamkar

Ms. Supriya Nagarkar

Mr. Sudhir Soman

Ms. Reena Bhati

Ms. Shruti Gosavi

Mr. Rakesh Patil

Resource Person:

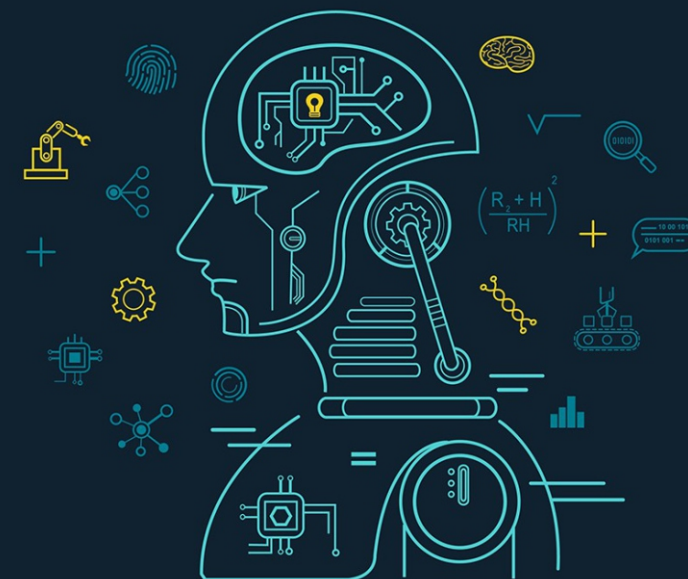
Dr. Anup Girdhar

CEO Founder,

Sedulity Solutions & Technologies, New Delhi.



Tilak Maharashtra Vidyapeeth, Pune Presents



Faculty Development Program on Machine Learning and Artificial Intelligence.

9th January -11th January, 2020

at

**Department of Computer Science,
Tilak Maharashtra Vidyapeeth, Pune.**

ABOUT TMV:

The Tilak Maharashtra Vidyapeeth was awarded the status of 'Deemed to be University' by Govt. of India in 1987 in recognition of its contribution in the field of education, which accorded the Vidyapeeth recognition at the national level. In 2018, Tilak Maharashtra Vidyapeeth was accredited by NAAC with B++ Grade.

ABOUT THE DEPARTMENT:

Department of Computer Science was established in the year 2001. Information is a vital factor for our existences. Information Technology offers tremendous opportunities to become more competitive for industry to supply a worldwide market place. The program structure covers software concepts, database, networking, cyber security and data analytics and application of information technology. Keeping this fact in mind, Vidyapeeth has introduced the programs of BCA, MCA, M.Sc.(CA) and Game & Mobile Software development.

OBJECTIVE OF PROGRAM:

This course aims to provide an introduction to the basic principles, techniques, and applications of Machine Learning. Programming assignments and term projects are used to help clarify basic concepts. The emphasis of the course is on the fundamentals of the current state of the art in machine learning and be able to begin original research in machine learning and Artificial Intelligence.

PREREQUISITE:

- Basic knowledge of coding and mathematics necessary for building expertise in AI/ML.
- Familiarity with the basic linear algebra

Why ML, AI & Data Analytics using Python?

Data analysis has become an essential part of everyday life and emerged as a critical component of modern business intelligence in recent years. Data scientists have a number of options to analyze data using statistical methods. One of the most convenient and powerful methods is to use the Python programming language. This course will help you to learn how to tackle data analysis problems using the Python. Participants will be able to understand how data is created, stored, accessed. What you learn in this course will give you a strong foundation in all the areas that support analytics. Participants will also learn how to compute various statistical measures, create meaningful data visualizations, Python models to predict expected future outcomes.

Benefits and Outcomes of the Course

- Learn the importance of data.
- Learn the various aspects of data handling and how information can be extracted from data.
- Carry out predictions-how to predict, how to analyse predicted values, discuss the importance of variables in a dataset.
- Industries and domain where analytics are used extensively.
- Recognize the characteristics of ML that will make it useful to real world problems.
- Characterize ML algorithms as supervised, semi supervised & un-supervised.
- Guide/Mentor the students to seek job opportunities in data analyst fields.

SCHEDULE:

Day 1: 9th January, 2020

10:00 AM to 1:00 PM

- Introduction to Research Methodology

- Introduction to Machine Learning & AI
- Introduction to Python Language

2:00 PM to 5:00 PM

- Basics of Programming skills in Python
- Libraries of Python for ML and AI
- Implementation of ML techniques on different data sets, Data Analytics.
- Experiments and Case studies

Day 2: 10th January, 2020

10:00 AM to 1:00 PM

- Types of Machine Learning
- Applications of Machine Learning
- Supervised vs Unsupervised Learning
- Case Studies

2:00 PM to 5:00 PM

- Supervised Learning
 - Linear Regression
 - Non-linear Regression
- Classification
 - K-Nearest Neighbor
 - Decision Trees
 - Logistic Regression
 - Support Vector Machines

Day 3: 11th January, 2020

10:00 AM to 1:00 PM

- Unsupervised Learning
 - Clustering
- Reinforcement Learning
- Deep Learning
 - Neural Networks
- Conclusion