

## Three Days National Level Online Workshop on



### “Machine Learning using Python”

27<sup>th</sup> Jan. 2021 to 29<sup>th</sup> Jan. 2021  
Timing: 02:00 pm to 04:00 pm

#### Organized By

Department of Computer Science  
MIT Arts, Commerce and Science College, Alandi (D)

[www.mitacsc.ac.in](http://www.mitacsc.ac.in)

#### Under the guidance of

Prof. R.Y. Lad. (HOD, Computer Science)  
Dr.B.B.Waphare. (Principal MIT ACSC Alandi (D))

#### Target Audience

Research Scholars, Faculty members, UG, PG Students

#### Registration Link

<https://mitacsc.collpoll.com/#/publicEvent/34>

### About MIT ACSC



The founder of MIT group of institutions, Prof. (Dr.) Vishwanath Karad with his vision to develop an excellent ambiance for academics and research conjugated with a vibrant environment to meet the challenges of the fiercely competitive world took initiative to impart quality education with easy access to the young generation and started MIT Arts, Commerce and Science College, Alandi Road, Pune, in 2007 under the aegis of Maharashtra Academy of Engineering and Educational Research (MAEER) Pune, affiliated to Savitribai Phule Pune University and recognized by the Government of Maharashtra. MIT Arts Commerce & Science College, Alandi Road, Pune is one of the top educational institute in Pune providing value based and professional education to students enrolled from different parts of India. MIT ACSC offers various UG and PG courses to the students such as B. Com, B.Sc., BBA, BBA(IB), B.Sc.(Computer Science), M.Sc.(Computer Science), BBA(Computer Application). We have been recognized at national level by renowned organizations and recipient of Best College Award for the year 2016 to 2019 by Savitribai Phule Pune University.

#### About Computer Science Department

Department of Computer Science was established in the year 2008, with an objective of imparting quality education in the field of Computer Science. With rapidly evolving technology and the continuous need for innovation, the department has always produced quality professionals, holding important positions in the Information Technology industry in India and abroad. It regularly organizes a series of lectures by academicians and professionals of the highest repute, which lay stress on the latest innovative technologies in the field of Computer Science. According to India today ranking 2020 Department of Computer Science has achieved 5<sup>th</sup> rank in Pune and 119<sup>th</sup> rank in India.

## How to apply

- Fill Registration form through following link.  
<https://mitacsc.collpoll.com/#/publicEvent/34>
- Pay Rs.300 as registration Fees.
- Join whatsapp group through following link.  
<https://chat.whatsapp.com/I79cLvicjjJGwgrSYBdVto>
- Your seat will be reserved.
- Visit [www.mitacsc.ac.in](http://www.mitacsc.ac.in) for any updates.

## Organizing Committee

### Coordinator

Prof. Mandar Parale. (9890397768)  
Prof. Arvind Wagaskar. (9766122119)

### Correspondence Committee

Prof. Vaishali Kherdekar. (9657034184)  
Prof. Anupama Alagannawar. (8308836724)  
Prof. Kavita Shinde. (9623445546)  
Prof. Hemlata Khurana. (7776020510)

## About Resource Person



### Mr. Tushar Kute

Data Scientist and Researcher  
Director, MiTu skillologies.  
With 11 years of teaching experience in  
Android, Data Science, Hadoop, Java, Linux,  
MongoDB, PHP, Python, R Programming,  
Arduino & Raspberry Pi.

## Important Instructions

- Last date of Registration: on or before 27<sup>th</sup> Jan 2021.
- Only online registration available and can be done through the link provided on brochure.
- Seats are limited and the participant's selection will be on first come first serve basis.
- 80% attendance & submission of feedback form are compulsory to obtain certificate.

## Workshop Objectives

- To acquire programming skill using Python.
- To learn core concepts of Python language.
- To explore skill set required for file handling, database handling, Data Analyzing, Data Preprocessing using Python.
- To discover basic introduction of Python for Machine Learning, Deep Learning and Artificial Intelligence.
- To execute Hands on practice sessions with Python Libraries.
- To learn writing Python functions to facilitate code reuse.

## Session Wise Schedule

Date	Session 1 (2PM-3PM)	Session 2 (3PM-4PM)
27 <sup>th</sup> Jan 2021	<ul style="list-style-type: none"><li>• Introduction to Python</li><li>• Object Oriented Programming</li><li>• Functional Programming</li><li>• Python- Decorators</li><li>• File Handling In Python</li><li>• Python Collections</li></ul>	<ul style="list-style-type: none"><li>• (LAB Exercise)</li><li>• Python Tkinter (GUI in Python)</li><li>• Python and Database Connectivity with RDBMS and NoSQL</li></ul>
28 <sup>th</sup> Jan 2021	<ul style="list-style-type: none"><li>• Python for Data Science (Numpy, Pandas , Matplotlib, Seaborn)</li><li>• Data Preprocessing using Python</li><li>• Data Analysis using Python</li></ul>	<ul style="list-style-type: none"><li>• Data Visualization Using Python</li></ul>
29 <sup>th</sup> Jan 2021	<ul style="list-style-type: none"><li>• Python for predictive modeling</li><li>• Machine Learning , Deep Learning and Artificial Intelligence</li></ul>	<ul style="list-style-type: none"><li>• Hands on Neural Networks and Deep Learning Labs (Keras &amp; Tensorflow)</li><li>• Intro to Pytorch</li></ul>