



“Techno-Social Excellence”
Marathwada Mitramandal's
INSTITUTE OF TECHNOLOGY (MMIT)
Lohgaon, Pune-47
Accredited 'A' Grade by NAAC

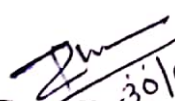
“Towards Ubiquitous Computing Technology”
Department of Computer Engineering
(Academic Year 2020-21)


Hands on Workshop

On

**“Machine learning with real Time Project Development and
Cloud Deployment”**

Held on
26th March to 27th March 2021


Coordinator
Prof. Tejaswini S. Bhoye


HOD
Mr. S. G. Rathod



Workshops Details

Subject: Machine learning with real Time Project Development and Cloud Deployment.

Attendee: 15 BE/TE Computer Engineering Students

Organized By: Department of Computer Engineering, MMIT, Lohgaon-411 047

Date: 26th March to 27th March 2021

Registration fees: Rs. 200/-

Resource Persons:

Name: Mr.Yogesh Murumkar

Company Details: Director of Bharat Soft Solution, Pune

Objectives of the Workshop

The objective of this workshop introduces fundamental concepts of machine learning. It covers an overview of machine learning algorithms and their applications.

Program Outcomes

- Proper understanding of basics concept of Machine Learning.
- Students are able to understand & learn the concepts of machine learning and its applications.

Speech: Mr.Yogesh Murumkar, Director of Bharat Soft Solution, Pune

Introduction:

Machine learning is an exciting topic about designing machines that can learn from examples. The course covers the necessary theory, principles and algorithms for machine learning. The methods are based on statistics and probability, which have now become essential to designing systems exhibiting artificial intelligence.

Session by Mr.Yogesh Murumkar

Mr.Yogesh Murumkar covered the theory as well as hands on assignments on Machine Learning using python. He has started with the basic of python concept and ML Framework and conducted hands on practices and motivated the students to accept challenges in future during this course.

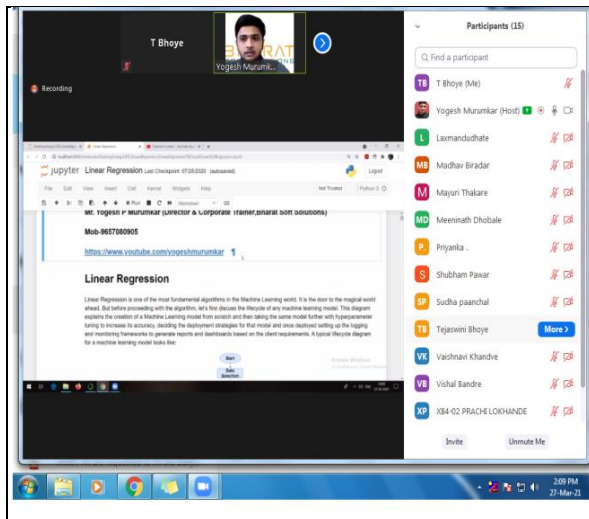
Topic Covered:

| Sr.No | Topic |
|--------------|--|
| 1 | Environment Set-Up |
| 2 | Anaconda and Jupyter Overview with steps for installation |
| 3 | Hands on Python Basics |
| 4 | Discussion of Python Packages for Machine Learning |
| 5 | Python for Data Analysis – NumPy |
| 6 | Python for Data Analysis – Pandas |
| 7 | Python for Data Analysis – Pandas Exercises |
| 8 | Python for Data Visualization – Matplotlib |
| 9 | Python for Data Visualization – Seaborn |
| 10 | Python for Data Visualization – Pandas Built-in Data Visualization |
| 11 | Python for Data Visualization – Plotly and Cufflinks |
| 12 | Python for Data Visualization – Geographical Plotting |
| 13 | Data Project/Use Cases/Creating applications using Python |
| 14 | Introduction to Machine Learning |
| 15 | Linear Regression |
| 16 | Cross Validation and Bias-Variance Trade-Off |
| 17 | Logistic Regression |
| 18 | K Nearest Neighbors |
| 19 | Decision Trees and Random Forests |
| 20 | Support Vector Machines |
| 21 | K Means Clustering |
| 22 | Principal Component Analysis |
| 23 | Recommender Systems |
| 24 | Natural Language Processing |
| 25 | Big Data and Spark with Python |
| 26 | Neural Nets and Deep Learning |
| 27 | Implementation and use of Tensorflow |
| 28 | Real Time Projects in Python and Machine Learning |

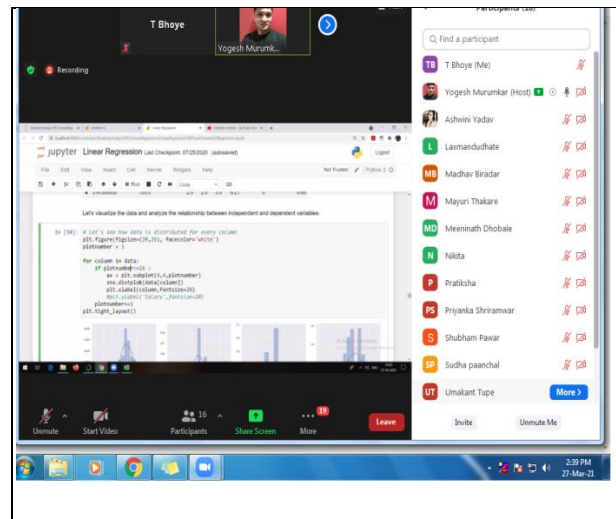
He has covered almost important topics related to Machine Learning as point of industry oriented also. He is provided the additional knowledge/tips to students related how to install Pycharm IDE and anaconda Navigator on windows. This workshop conducted for two days daily in 2 hours. The certificate is issued to those students are registered to this workshop. On behalf of MMIT & Management, Computer Department, Prof Tejaswini S.Bhoye gave the vote of thanks expressing the gratitude towards person Mr.Yogesh Murumkar for sparing his valuable time & guidance to our students from his busy schedule.

Enclosure

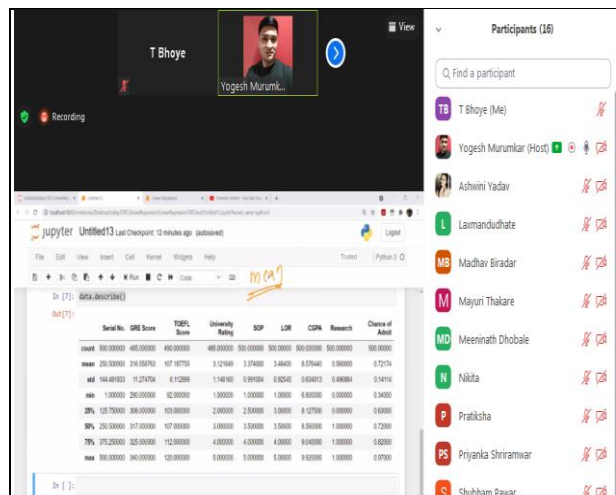
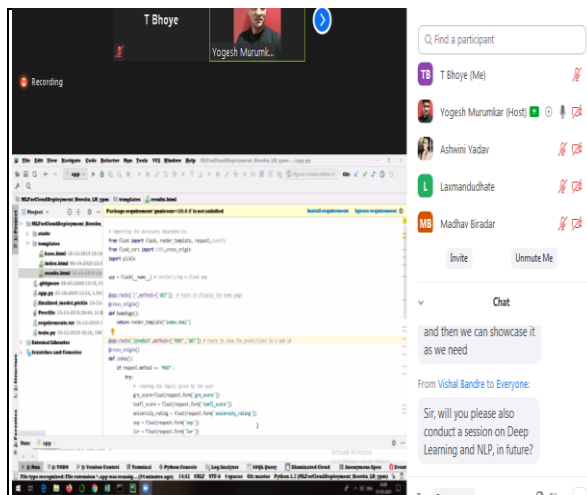
1. Online Sessions photos
2. Sample E Certificate
3. Register students list



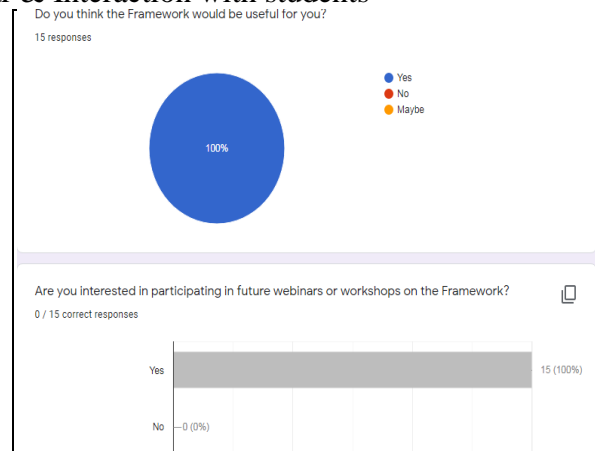
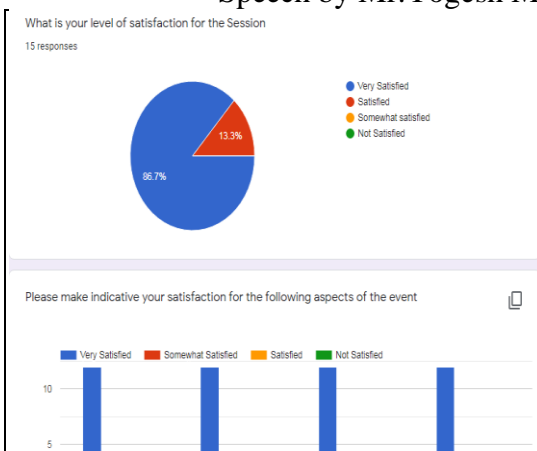
Session by Mr.Yogesh Murumkar Day-1



Session by Mr.Yogesh Murumkar Day-2



Speech by Mr.Yogesh Murumkar & Interaction with students



Feedback taken from Students



Sample E Certificate



Machine Learning Workshop Attendance (A.Y. 2020-21)

Date: 26th March 2021 & 27th March 2021

| Sr.No | Class& Div | Name of Student | Contact No. | Personal Email ID | Collage Email ID |
|-------|------------|--------------------------------|-------------|----------------------------------|---------------------------------|
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“येथे बहुतांचे हित”
MMIT

"Techno-Social Excellence"
Marathwada Mitramandal's
INSTITUTE OF TECHNOLOGY (MMIT),
Lohgaon, Pune 411047

Approved By AICTE, New Delhi, Affiliated to SPPU, Pune.



“Towards Ubiquitous Computing Technology”

Department of Computer Engineering INVITATION

FOR
Two days online Hands on workshop
On
"Machine Learning with real Time Project
Development and Cloud Deployment"

26TH Mar.2021 | 2 PM- 4 PM
27TH Mar.2021 | 10 AM- 12 PM



PLATFORM: Zoom

Registration link:

<https://docs.google.com/forms/d/1UEGiSL8w5YlVDgXNnhVwFFnpLK4A7MOB6gWmGtGjJtc/edit>

Registration fees: Rs. 200/-

Resource Person

Mr.Yogesh Murumkar , Director of Bharat Soft Solution,Pune.