



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

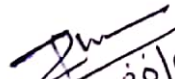
“Towards Ubiquitous Computing Technology”
Department of Computer Engineering
(Academic Year 2020-21)


Hands on Workshop

On

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

Held on
26th March to 27th March 2021


30/03/2021
Coordinator
Prof. Tejaswini S. Bhoje


30/03/2021
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.

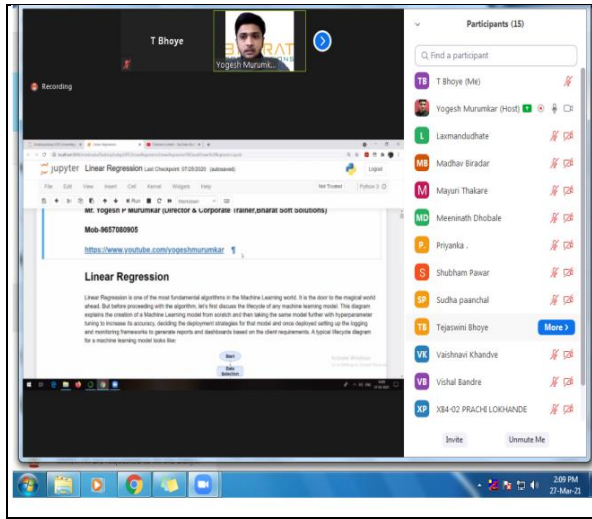
Topic Covered:

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

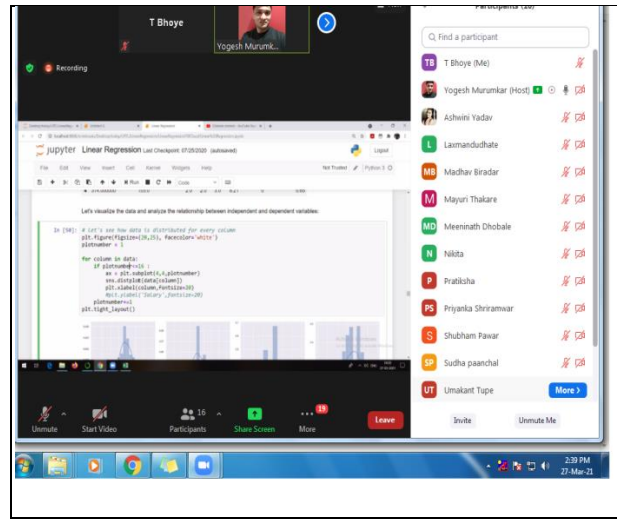
He has covered almost important topics related to Machine Learning as point of industry oriented also. He is provided the additional knowledge/tips to students related how to install Pycharm IDE and anaconda Navigator on windows. This workshop conducted for two days daily in 2 hours. The certificate 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

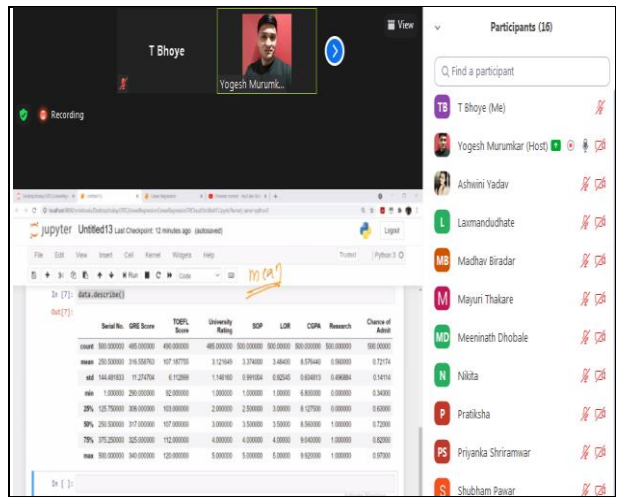
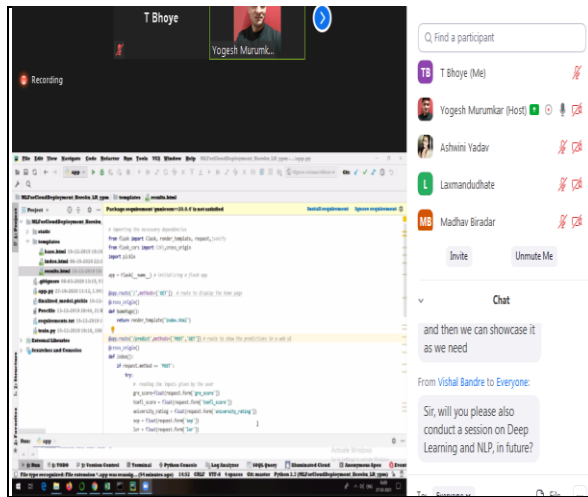
1. Online Sessions photos
2. Sample E Certificate
3. Register students list



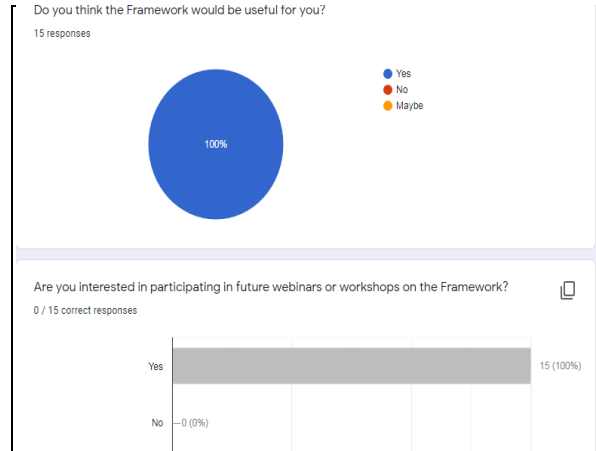
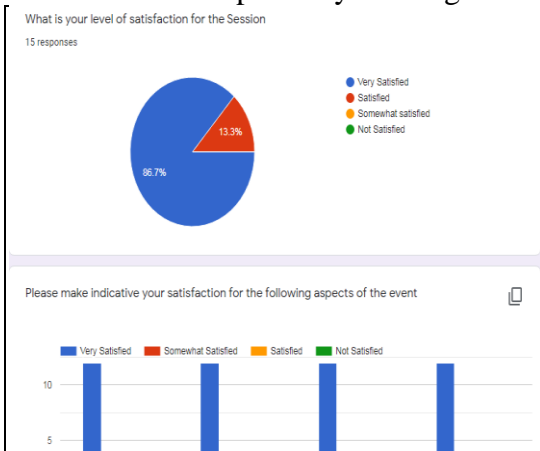
Session by Mr.Yogesh Murumkar Day-1



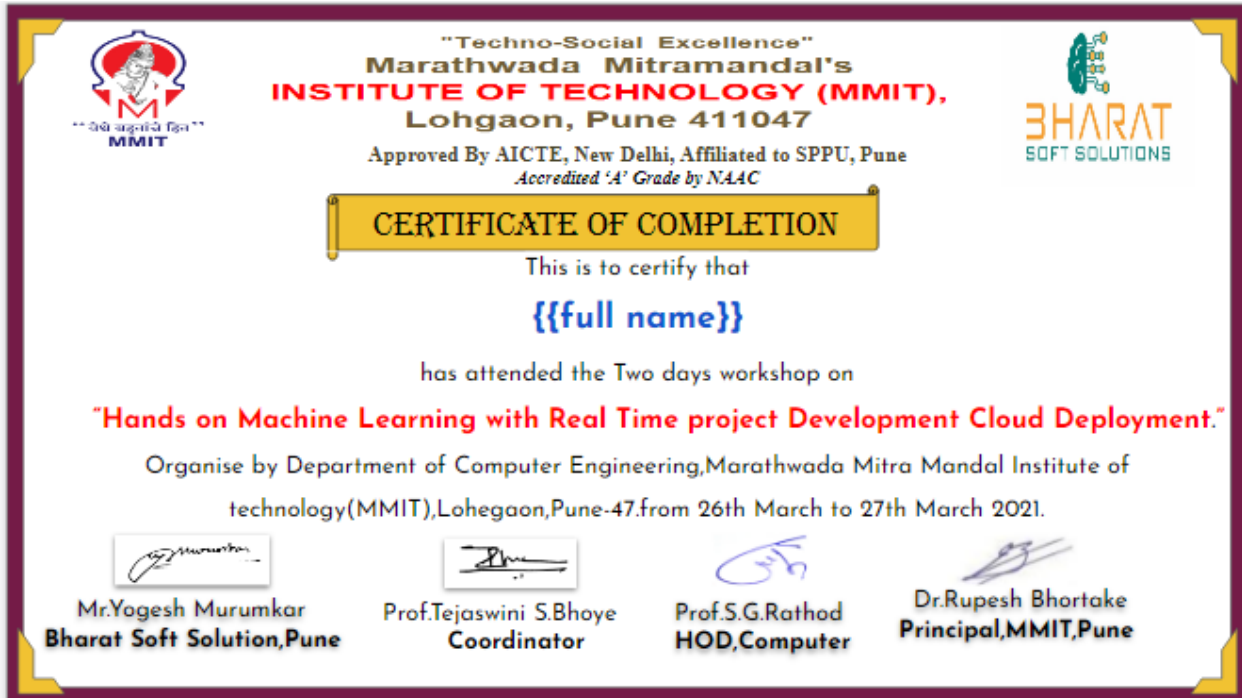
Session by Mr.Yogesh Murumkar Day-2



Speech by Mr.Yogesh Murumkar & Interaction with students



Feedback taken from Students



Sample E Certificate



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

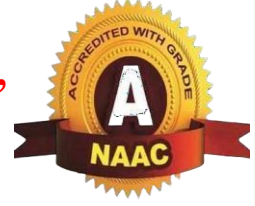
Date: 26th March 2021 & 27th March 2021

Sr.No	Class& Div	Name of Student	Contact No.	Personal Email ID	Collage Email ID
1	BE-B	Nikita Balasaheb Arsule	7776836326	nikki.arsule308@gmail.com	nikita.arsule@mmit.edu.in
2	BE-B	Priyanka Shankarrao Shriramwar	7709289368	priyankashriramwar1998@gmail.com	priyanka.shriramwar@mmit.edu.in
3	BE-B	Pawar Pradip Vinayak	9130439041	pradipvpawar111@gmail.com	pradip.pawar@mmit.edu.in
4	BE-A	Ashwini Yadav	9325164879	ashwiniyadav0510@gmail.com	ashwini.yadav@mmit.edu.in
5	BE-B	Prachi Lokhande	9726927881	lprachi6@gmail.com	prachi.lokhande@mmit.edu.in
6	TE	Bandre Vishal Dadasaheb	9146614034	vshlbndr@gmail.com	vishal.bandre@mmit.edu.in
7	TE	Meeninath Dhobale	9325901116	dhobale53@gmail.com	meeninath.dhobale@gmail.com
8	BE-B	Pratiksha Lohar	7414959570	pratiksha.lohar17399@gmail.com	pratiksha.lohar@mmit.edu.in
9	BE-A	Dudhate Laxman ramrao	7066133309	laxmandudhate82@gmail.com	laxman.dudhate@mmit.edu.in
10	BE-A	Vaibhav choure	9096971109	Vaibhavchoure22@gmail.com	Vaibhav.choure@mmit.edu.in
11	BE-A	Biradar Madhav Kerba	7066956165	biradamadhav24@gmail.com	madhav.biradar@mmit.edu.in
12	TE	Mayuri Thakare	7038208407	thackeraymayuri@gmail.com	mayuri.thakare@mmit.edu.in
13	TE	Sudha manohar panchal	9172575052	sudham.p.666@gmail.com	sudha.panchal@mmit.edu.in
14	TE	Vaishnavi Ramesh Khandve	7620166229	vaishnavikhandve1234@gmail.com	vaishnavi.khandve@mmit.edu.in
15	BE-B	Shubham Balaji Pawar	9146187027	shubhampawar942087@gmail.com	shubham.pawar.2018@mmit.edu.in



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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.