

ACTIVITY REPORT

Type of the Activity/ Event/Program: **-Industry Training and Extension Activity**

Title of the Event :- **Data Science for Scientists and Engineers**

Academic Year: -2021-2022

Level: -Open to all

Duration: - 6 Days Actual Dates: **-11/10/2021 to 16/10/2021**

Name of the Coordinator Faculty: - Prof. Milind Patwardhan, Prof. Dr. R. S. Deshpande, Prof. K. V. Joshi Prof. S. G. Janokar

Other Organizing Members:-

- Prof. Dr. C.M.Mahajan
- Prof H. M. Khare,.
- Prof Dr. S.R.Bandewar,
- Prof A. S. Joshi,
- Prof Dr. S.S.Sawant,
- Prof. R.G. Raikwar,

Department: - Department of Engineering Sciences and Humanities (DESH)

Total Number of Faculties involved in conduction of the event: - 23

Location/ Venue of the event: **-Department of Engineering Sciences and Humanities , Vishwakarma Institute of Technology, Pune**

Name of the **Industry Person**: **-Milind Ankaleshwar**

Designation: - **Director, Mass Technologies**

Company/Office address:- 6D, 3rd Floor, Noble Manchester, opp. Navale Hospital, Narhe, Pune - 411041 Maharashtra

Total Number of Participants: - 98 No of Students: -75 No of Faculties: - 23

Summary of the Activity/ Events -

Data Science for Scientists and Engineers - One Week Industry Oriented Training Program in Association with Mass Technologies was organized by the Department of Engineering Sciences and Humanities, of Vishwakarma Institute of Technology, Pune from 11th to 16th October 2021.

Dr. Chandrashekhar Mahajan (Head, DESH) welcomed and introduced the Guest speaker Mr. Milind Ankaleshwar. Dr. Mahajan also briefed him about emphasis on teaching learning at DESH, VIT Pune. After this was followed by the first session in which Mr. Milind Ankaleshwar actually gave the

demonstration of the Environmental setup, Jupyter overview, Python Numpy, Python Pandas, Python Matplotlib.

The second session was the introduction of Data science in which Dataset, Types of Data (numerical data, categorical data, text data, image data, voice data, and video data.), and Flow of Data Science Projects was discussed.

In the third session, Mr. Milind Ankaleshwar was introduced about the Data preprocessing, process of converting data from its raw form to a tidy form ready for analysis. Also discussed process of data importing, data cleaning, data structuring, handling missing data and text mining.

The fourth session was introduced about the data visualization, Analyze and study relationships between different variables of data set.

The fifth session was the introduction of Machine learning and its classification.

The Sixth session was discussion on Data science project. In this session, Mr. Milind Ankaleshwar was introduced about, How to Start Project? How to identify good Dataset? How to Build a Model? How Data Science Projects work?, Scope of Data Science projects , Data Science Project , Industry Requirements.

Brochure photo:-

Department of Engineering Sciences and Humanities
Vishwakarma Institute of Technology, Pune

One Week Industry Oriented Training Program In Association With Mass Technologies
(Under Extension Activity)

on

Data Science
for
Scientists and Engineers

11th – 16th October 2021

python™

NumPy

TensorFlow

data

pandas
 $y_i t = \beta^T x_{it} + \mu_i + \epsilon_{it}$

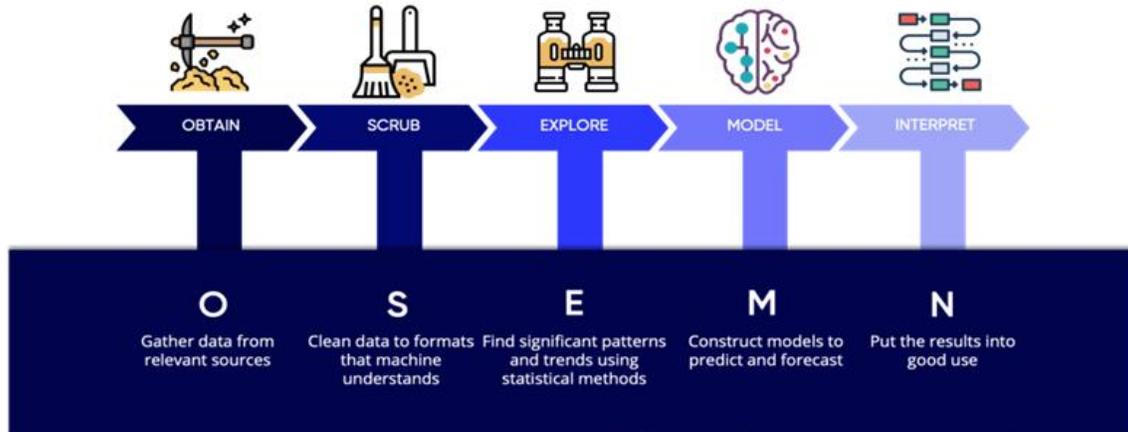
MACHINE LEARNING

Matplotlib

PROJECT

Statistics

Data Science Process



Our Patrons

Mr. Bharat Agrawal

Managing Trustee

Prof. Dr. R. M. Jalnekar

Director VIT, Pune

Coordinators

Prof. Milind Patwardhan

Prof. Dr. R. S. Deshpande

Prof. K. V. Joshi

Prof. S. G. Janokar

Organizing Committee Members

Prof. H. M. Khare

Prof. Dr. S. S. Sawant

Prof. R. G. Raikwar

Prof. A. S. Joshi

Prof. Dr. S.R. Bandewar

Convener

Prof. Dr. C. M. Mahajan

Head, DESH

Milind Ankaleshwar

Director, Mass Technologies

