LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)
Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)
Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada
L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India

REPORT
on
Online Faculty Development Programme on
"Data Science Using Python"
15th – 24th May, 2020

Lakireddy Bali Reddy College of Engineering (A) has organized Online Faculty Development Programme on "**Data Science Using Python"** from **15th – 24th May, 2020**. The program conducted by Dept. of IT in association with SWECHA. The total number of faculty participated is 692 from various institutions.

Day 1 (15/05/2020):

FDP was inaugurated on 15th May,2019 by Dr.L.Pratap Reddy, Professor, JNTUH , Dr. K.Appa Rao, Principal, LBRCE and Dr. B. Srinivasa Rao, HOD, Dept.of.IT, LBRCE.

Resource Person: Jaishree Jaishankar, Developer, Zoho Corporation

Topics Covered:

- Python Introduction
- Usage of python for Data Science
- Real World example using python
- Virtual Lab Session using MOODLE

Day 2 (16-05-2020):

Resource Person: Jaishree Jaishankar, Developer, Zoho Corporation

Topics Covered:

- Numpy introduction
- Pandas introduction
- Examples on pandas and numpy
- Virtual Lab Session using MOODLE

Day 3 (17-05-2020):

Resource Person: Gopi Prashanth, Developer, Virtusa

Topics Covered:

- Introduction to data visualization using matplotlib
- Introduction to machine learning and its life cycle
- Virtual Lab Session using MOODLE

Day 4 (18-05-2020):

Resource Person: Gopi Prashanth, Developer, Virtusa

Topics Covered:

- Gradient descent algorithm
- Problems on gradient descent algorithm
- Virtual Lab Session using MOODLE

Day 5,6,7 (19-05-2020, 20-05-2020, 21-05-2020):

Resource Person: Pramod SK, Project manager, Thoughtworks

Topics Covered:

- Many learning examples on numpy, pandans, data visualization using matplotlib.
- Virtual Lab Session using MOODLE.

Day 8 (22-05-2020):

Resource Person: Sethu Pavan, Mu Sigma

Topics Covered:

- Introduction of Classification
- Discussion on decision tree, logistic regression, KNN, Naïve Bayes along with the example
- Virtual Lab Session using MOODLE

Day 9 (23-05-2020):

Resource Person: Sethu Pavan, Mu Sigma

Topics Covered:

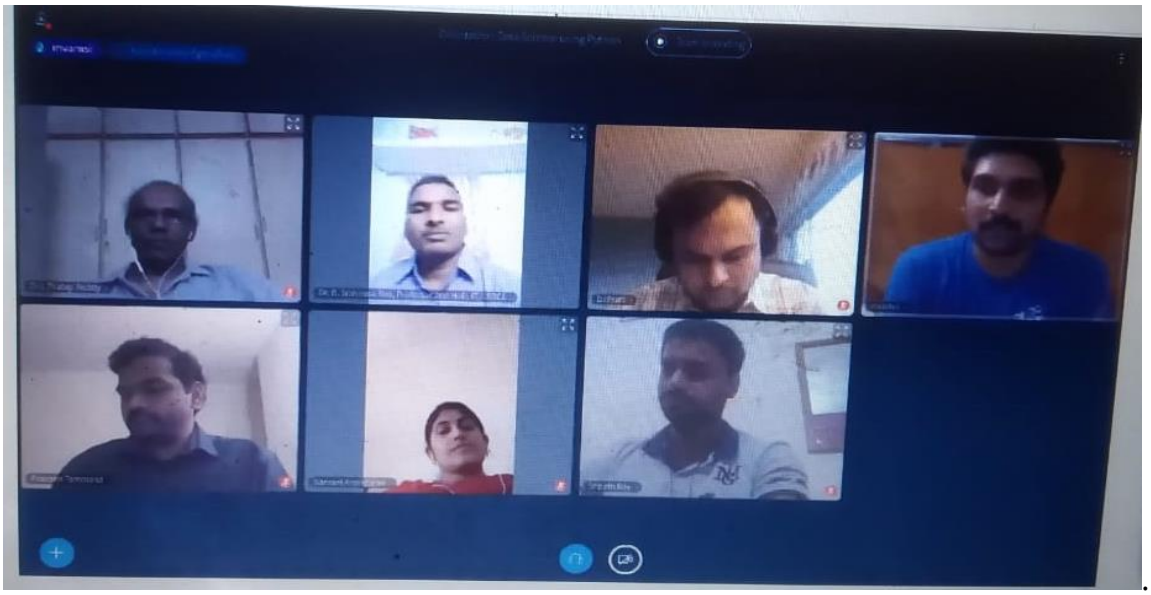
- Introduction of Unsupervised learning
- Discussion on linear regression, K-means, Clustering
- Virtual Lab Session using MOODLE

Day 10 (24-05-2020):

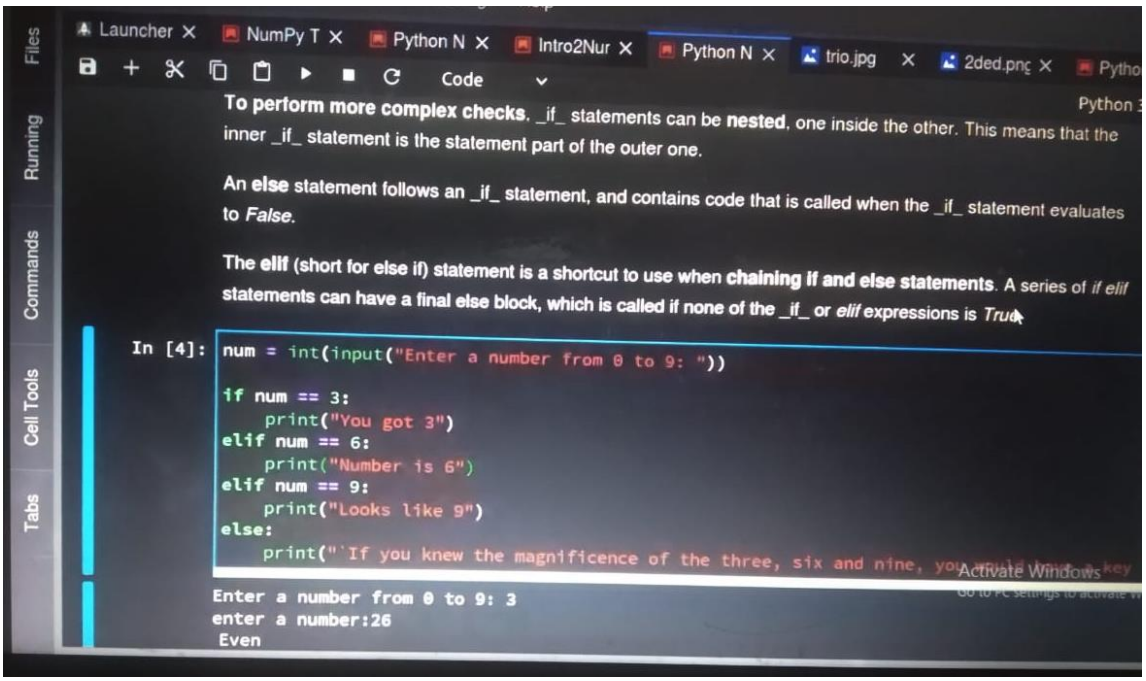
Resource Person: Sethu Pavan, Mu Sigma and M.Vamsi, Assistant Professor, MVGR

Topics Covered:

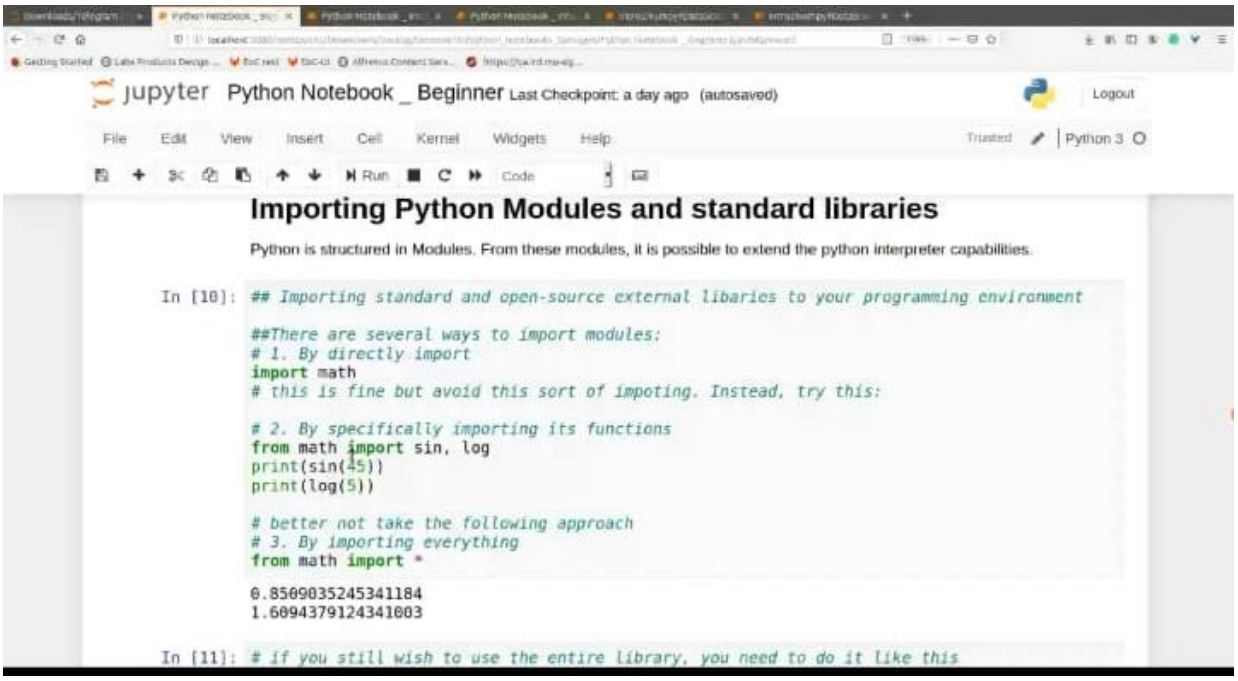
- Discussion of machine learning based on research
- Discussion on FOSS philosophy
- Virtual Lab Session using MOODLE
- Concluded the session with the feedback from the participants



Inauguration Session



Practice Session in the moodles



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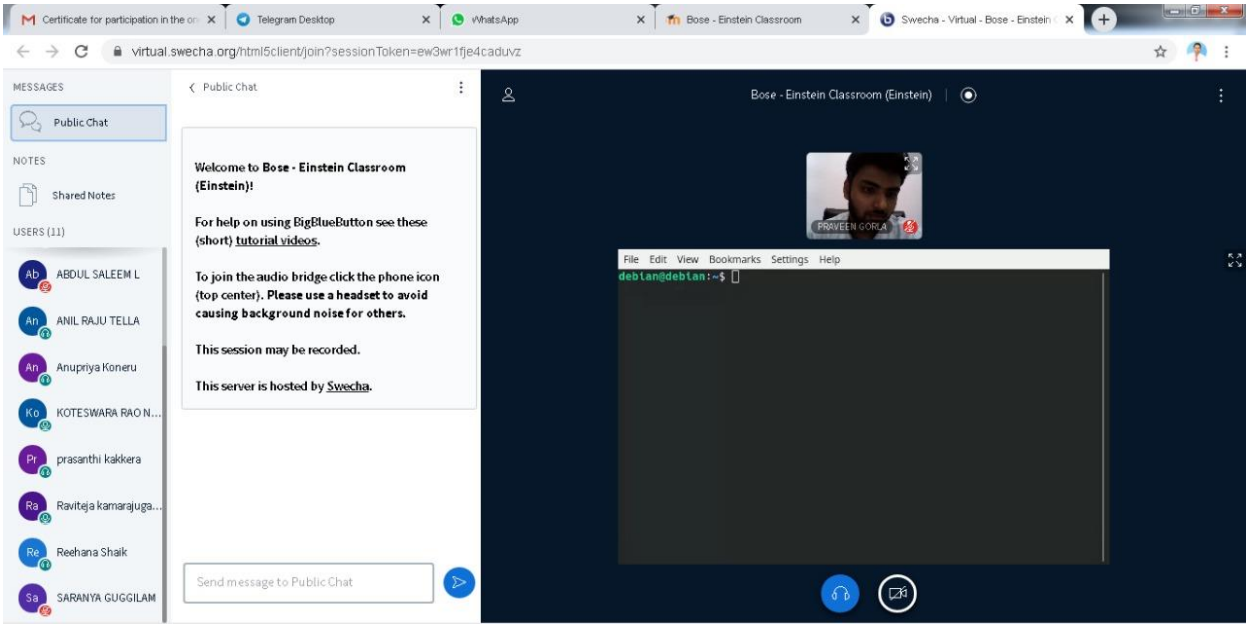

Practice Session in the moodle