VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

Sponsored by Lavu Educational Society, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad.

Kondapur (V), Ghatkesar (M), Medchal - Malkajgiri (D) - 501 301 TS INDIA

Phone: +08615 200006/07/08   Email: info@vmtw.in

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 27-12-2017

PROGRAM REPORT

Name of the Add on Course: Machine learning using Python

Day/Duration: 10-07-2017 to 15-07-2017 6(Days) - 36Hrs

Time: 09:00am to 04:00pm

Name of the Coordinator: Mr.T.Srajan Kumar, Assistant Professor, Dept of CSE, VMTW.

Number of the Participants: 12

Topics covered: The following topics covered in this program

- ❖ Python Installation with various IDE's , Python data Types, Control Structures, Functions ,Introduction of OOP's.
- ❖ Data Analysis & visualization –using numpy, panda matplotlib, scipy.
- ❖ Supervised machine learning, Unsupervised machine learnings.
- ❖ Study of various machine learning algorithms including Classification, Regression, KNN, K Means, Logistic Regression.

Course Outcomes:

COs	At the end of the course, students will have the ability to:	Pos Mapped	Strength of mapping
CO1	Apply structured thinking to unstructured problems	PO1,PO2	2
CO2	Understand a very broad collection of machine learning algorithms and problems	PO1	3
CO3	Learn algorithmic topics of machine learning and mathematically deep enough to introduce the required theory	PO1,PO2	3
CO4	Appreciate the importance of visualization in the data analytics solution	PO2	4
CO5	Solve real world problems using Machine Learning	PO3	4

PRINCIPAL

Vignan's Institute of Management & Technology For Women

Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (Dt)-501301,

Telangana State

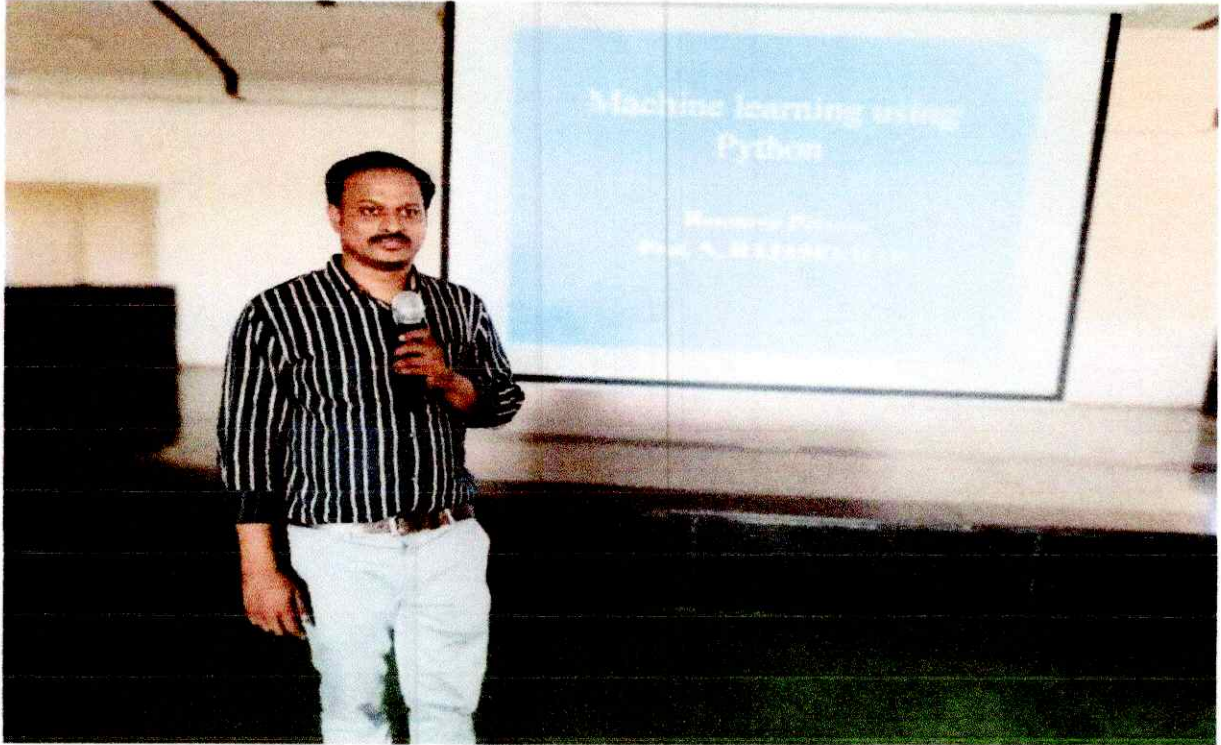# VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

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Resource Person: Prof N. Rajasekhar, Dept of CSE, IARE College, Hyderabad.

T. Srajan Kumar
COORDINATOR

V. Indira
HOD

Head of The Department
Computer Science and Engineering
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