VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VMTW/CSE/AOC/CIR/2017-2018/I/01

Date: 04-07-2017

CIRCULAR

This is to inform all IV-I B. Tech CSE students that an add-on course on "Machine learning using Python" will be taught by Prof N. Rajasekhar, Dept of CSE, IARE College, Hyderabad from 10-07-2017 to 15-07-2017. So interested students can fill out registration form and attend the training as necessary.

HOD

Head of The Department
Computer Science and Engineering
Vignan's Institute of Management & Technology For Women
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (Dt)-501301
Telangana State

Copy to:

The Principal, for kind information

IQAC

IV-I B.Tech Students

Dept. file

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

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

Addon Course Syllabus

Addon Course: Machine Learning Using Python

Course Objectives:

1. To appreciate the breadth & depth of ML applications and use cases in real-world scenarios.
2. To Import and wrangle data using Python libraries and divide them into training and test datasets
3. To Understand Data preprocessing techniques, Univariate and Multivariate analysis, Missing values and outlier treatment etc
4. To Implement linear and polynomial regression, understand Ridge and lasso Regression,
5. To Implement various type of classification methods including SVM, Naive bayes, decision tree, and random forest

Module 1: Python Installation with various IDE's , Python data Types, Control Structures, Functions ,Introduction of OOP's.

Module 2: Data Analysis & visualization –using numpy, panda matplotlib, scipy.

Module 3: Introduction to machine learning. Supervised machine learning,Unsupervised machine learnings.

Module 4: Study of various machine learning algorithms including Classification, Regression, , KNN, K Means, Logistic Regression, Support Vector Machines (SVM), Decision Tree, Naïve Bayes, Ensemble Methods, Random Forest.

Text Book

1. "Introduction to Machine Learning with Python" by Andreas C. Müller, Sarah Guido Released September 2016 Publisher(s): O'Reilly Media, Inc.

COORDINATOR

PRINCIPAL
Vignan's Institute of Management & Technology For Women
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (Dt.)-501301
Telangana State

HOD
Head of The Department
Computer Science and Engineering
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

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

DAYWISE SCHEDULE

ADDON COURSE: Machine learning using Python

Room No:ATF-5A

DAY	Topic	Timings	Duration
10-07-2017	Python Installation with various IDE's , Python data Types, Control Structures, Functions ,Introduction of OOP's.	09:00 am to 04:00 pm	6 hrs
11-07-2017	Data Analysis & visualization –using numpy, panda matplotlib, scipy.	09:00 am to 04:00 pm	6 hrs
12-07-2017	Introduction to machine learning. Supervised machine learning.	09:00 am to 04:00 pm	6 hrs
13-07-2017	Study of various machine learning algorithms including Classification, Regression, KNN, K Means, Logistic Regression	09:00 am to 04:00 pm	6 hrs
14-07-2017	Support Vector Machines (SVM), Decision Tree.	09:00 am to 04:00 pm	6 hrs
15-07-2017	Naïve Bayes, Ensemble Methods, Random Forest. Unsupervised machine learnings.	09:00 am to 04:00 pm	6 hrs
Total 36 hours			

T-Srajawdkumar
Coordinator

N. Jndin
HOD, CSE

Head of The Department
Computer Science and Engineering
Vignan's Institute of Management & Technology For Women
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (Dt)-501301
Telangana State

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

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

REGISTRATION FORM

Add On Course: Machine learning using Python

B.Tech IV-I SEM

Branch: CSE

S.No	Roll number	Name of the student	Signature
1	13UP1A0552	Polapalli Bhavya	Bhavya
2	14UP1A0501	Banoth Jyothsna	Jyothsna
3	14UP1A0502	N Saharika	saharika
4	14UP1A0503	Pittala Shruthi	shruthi
5	14UP1A0504	Pollapalli Shravya Reddy	shravya
6	14UP1A0506	Rekula Vani	Vani
7	14UP1A0507	Siddipeta Jaya	Jaya
8	14UP1A0508	Singi Reddy Divya	Divya
9	13UP1A0466	N Vindhya	Vindhya
10	14UP1A0401	Bukya Mounika	Mounika
11	14UP1A0402	Gangaramaina Navaneetha	Navaneetha
12	14UP1A0403	Sepuri Navya	Navya

COORDINATOR

HOD

Head of The Department
Computer Science and Engineering
Vignan's Institute of Management & Technology For Women
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (Dt)-501301
Telangana State

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

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

LIST OF REGISTERED STUDENTS

Addon Course Name: Machine Learning Using Phython

B.Tech IV-I Sem, Section: CSE

S.No	Roll Number	Name Of The Student
1	13UP1A0552	Polapalli Bhavya
2	14UP1A0501	Banoth Jyothsna
3	14UP1A0502	N Saharika
4	14UP1A0503	Pittala Shruthi
5	14UP1A0504	Pollapalli Shravya Reddy
6	14UP1A0506	Rekula Vani
7	14UP1A0507	Siddipeta Jaya
8	14UP1A0508	Singi Reddy Divya
9	13UP1A0466	N Vindhya
10	14UP1A0401	Bukya Mounika
11	14UP1A0402	Gangaramaina Navaneetha
12	14UP1A0403	Sepuri Navya

COORDINATOR

HOD

Head of The Department
Computer Science and Engineering
Vignan's Institute of Management & Technology For Women
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (Dt)-501301
Telangana State

PRINCIPAL
Vignan's Institute of Management & Technology For Women
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (Dt.)-501301
Telangana State