

About the Department:

Department of CSE, VMTW has started B.Tech in Computer Science and Engineering in the year 2008 with an intake of 90. The scholarly ambiance in CSE Department is encouraging to the complete development of the students with well-equipped labs. Department has dedicated and professionally well competent faculty and the many of the faculty are pursuing Ph.D. in emerging areas like Artificial Intelligence, Machine Learning, Cyber Security, Data Science and Block Chain. The main objective is to prepare the students to be successful in Computer Science Engineer to meet the industry needs, encourage lifelong skills and strengthen research.

About the Course:

In this course, you will learn about applications of Machine Learning in different fields such as health care, banking, telecommunication, and so on. You'll get a general overview of Machine Learning topics such as supervised vs unsupervised learning, and the usage of each algorithm. Also, you understand the advantage of using Python libraries for implementing Machine Learning models. The course covers the fundamentals of Python and its use in the context of data science and machine learning. It also covers the basics of supervised and unsupervised learning, and helps students gain a strong understanding of the principles of data science and machine learning. The course provides hands-on experience and code examples to help learners understand complex concepts and apply them in a practical setting.

Course Objectives:

In this module, you will get a brief intro to regression. You learn about Linear, Non-linear, Simple and Multiple regression, and their applications. In the lab part, you apply all these methods to two different datasets. Also, you learn how to evaluate your regression model and calculate its accuracy. you will also learn about clustering specifically k-means clustering and how the k-means

clustering algorithm works and how to use k-means clustering for customer segmentation. With this course, learners can gain a deep understanding of the Python programming language and its potential applications in data science and machine learning.

Expected Outcomes:

Understand basic classification techniques. You practice with different classification algorithms, such as KNN, Decision Trees, Logistic Regression and SVM. Also, you learn about pros and cons of each method and different classification accuracy metrics. Evaluate the performance of various machine learning algorithms on various data sets of a domain. Design and Concrete implementations of various machine learning algorithms to solve a given problem using languages such as Python. The tools and program paradigms of AI. Apply intelligent agents for Artificial Intelligence programming techniques. Applying problem-solving through the search for AI applications and logical and reasoning techniques to AI applications.



Resource Person:

Prof. N. Rajasekhara Reddy
Professor, Dept of CSE
IARE College, Hyderabad.

Co-ordinator:

Mr. T. Srajan Kumar,
Assistant Professor,
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Last Date For Registration: 8th July, 2017

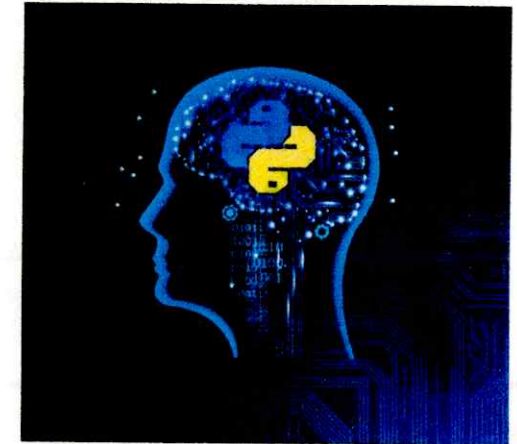


VIGNAN'S
INSTITUTE OF MANAGEMENT AND
TECHNOLOGY FOR WOMEN

(Sponsored by Lavu Educational Society)

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



ADD-ON COURSE ON

"MACHINE LEARNING
USING PYTHON"

10TH TO 15TH JUL, 2017

Duration of the Course: 36 Hrs



Venue:
'A'-Block Seminar Hall,
VMTW.

PRINCIPAL

Vignans Institute of Management & Technology For Women
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (Dt)-501301
Telangana State

Organized By:

DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING