ABOUT THE COLLEGE

Vardhaman College of Engineering, established in 1999, is an autonomous college affiliated to Jawaharlal Nehru Technological University (JNTU), Hyderabad. The college is approved by the All India Council for Technical Education (AICTE), ranked 143 of top 200 in NIRF and accredited by NAAC with Grade 'A++' and NBA with five UG programs accredited under Tier-1.

ABOUT THE DEPARTMENT

The field of Computer Science and Engineering has been pushing the envelope of almost all other disciplines, which use computing as a fundamental means of inquiry and tool for discovery. Computer Science and Engineering offers exciting, intellectually challenging, and rapidly growing career opportunities. It is the heart of where the action is: whether this means intelligent game playing, mobile applications, smart robots, cloud computing, data security, social networks, or bioinformatics.

The Department of Computer Science and Engineering was established in 1999 with an intake of 60 and enhanced to 120 in 2006, 180 in 2012 and 240 in 2013. The department is headed by Dr. RajaniKanth Aluvalu, a senior Professor with vast teaching experience spanning nearly fifteen years.

This program has been accredited by the National Board of Accreditation (NBA) Tier-1, till 2021.

ADDRESS FOR COMMUNICATION

Dr. G.Suryanarayana
Associate Professor
Department of CSE
Vardhaman College of Engineering
Kacharam, Hyderabad, India

Email ID: suryanarayana_g@vardhaman.org
Mobile No: 9885709675

One Week Online Faculty Development Programme

on

Machine Learning Concepts & Its Applications

14-18, June 2021

Organized by

Department of Computer Science and Engineering

VARDHAMAN COLLEGE OF ENGINEERING

(Autonomous)
Shamshabad – 501 218, Hyderabad, T. S., India
www.vardhaman.org

ABOUT THE WORKSHOP

Machine learning is a branch of artificial intelligence (AI) focused on building applications that learn from data and improve their accuracy over time without being programmed to do so. In machine learning, algorithms are 'trained' to find patterns and features in massive amounts of data in order to make decisions and predictions based on new data. The better the algorithm, the more accurate the decisions and predictions will become as it processes more data.

This Faculty Development Programme (FDP) on "Machine Learning Concepts and its Applications" is being conducted for the faculty, researchers and students to upgrade their knowledge. The purpose of conducting this 5 - day FDP is to provide a hands-on-experience on ML methods using Python Libraries. Academicians in the concerned field from NITs and industries are invited to deliver lectures in the programme.

KEY LEARNINGS

- Introduction to Machine Learning
- Applications
- Data Pre-processing Techniques
- ML Concepts through Python
- Classification Techniques
  - Decision Tree Classifier,
  - Bayesian Classifier
- Regression Analysis
- Reinforcement learning Techniques
- ML model performance Evaluation

OBJECTIVES

1. To discuss the fundamental concepts in machine learning including mathematical foundations and popular ML algorithms.

2. The participants will gain knowledge in machine learning principles through practical applications using ML programming tools and packages.

TARGET AUDIENCE

The Workshop is designed for all Ph.D Scholar, PG/UG Students and the faculty members from different Institutions.

CHIEF PATRONS

Dr. T. Vijender Reddy	..	Chairman
Sri. T. Upender Reddy	..	Secretary
Sri. M. Rajasekhar Reddy	..	Vice Chairman
Sri. E. Prabakar Reddy	..	Treasurer

PATRON

Dr. JVR Ravindra	..	Principal

CONVENOR

Prof. A. Rajanikanth	..	HOD, Professor, Dept of CSE

CO-ORDINATORS

1. Dr. Nageswara Rao Sirisala –Professor, CSE
2. Dr. G. Suryanarayana – Associate Professor, CSE

RESOURCE PERSONS

1. Dr. A. Rajanikanth, Vardhman College of Engineering
2. Dr. A. Nageswara Rao Sirisala, Vardhman College of Engineering
3. Dr. G. Suryanarayana, Vardhman College of Engineering
4. Mr. B. Suresh Kumar, Vardhman College of Engineering
5. Dr. D. Venkateswara Rao Kagita, NIT, Warangal
6. Dr. Bala Prakasa Killi, NIT, Warangal
7. Mr. Santosh Chapaneri, St. Francis Institute of Technology, Mumbai.

ORGANIZING COMMITTEE

1. Dr. D. Raman, Professor, CSE
2. Dr. S. Venu Gopal, Assoc. Professor, CSE
3. Dr. Gose Baig, Assoc. Professor
4. Dr. Yeshu Babu, Assoc. Professor
5. Dr. S.K. Prasanth, Assoc. Professor
6. Mr. C. Satya Kumar, Asst. Professor
7. Mr. Ganesh Deshmukh, Asst. Professor
8. Mrs. S. Shoba Rani, Asst. Professor

Department Associations