

About Maturi Venkata Subba Rao Engineering College:

Maturi Venkata Subba Rao Engineering College, sponsored by Matrusri Education Society, was founded in 1981 with three disciplines. Over the years it has grown in stature and is presently acknowledged as a premier technical institute in Telangana. The current annual intake is 1020. The Institution has well qualified and experienced faculty members and ably supported by technical assistants. The college offers BE 4- Year Degree Programs in Civil, ECE, EEE, CSE, IT, Mechanical and Automobile Engineering disciplines. This college has been recognized by Osmania University as a Centre for pursuing research leading to the award of Ph.D. Degree in the Disciplines of CSE, ECE and Mechanical Engineering. It is an ISO 9001:2015 certified Institute. The Programs are affiliated to Osmania University and are approved by AICTE. The College is accredited by NAAC and B.E programs in CSE, Civil, ECE, EEE, Mech & IT are accredited by NBA. The College also has post-graduate program in M.E. for Mech. (CAD / CAM), ECE (Embedded Systems & VLSI Design), M.Tech. (CSE) and M.B.A. The College received Autonomous Status in 2021.

About the Department of Information Technology:

The Department of Information Technology was started in the year 2000 with an intake of 60. The current annual intake is 180. The Department has well qualified and experienced staff, well equipped laboratories, good computational facilities and distinguished alumni spread across the globe.

Who can attend:

Students of BE 3/4 and 4/4 of IT, CSE and ECE.

Resource Persons:

Distinguished faculty members from the renowned institutes and industry experts / trainers working in the domain of Python, machine learning and data science will be the resource persons. Experienced experts from Industry will provide hands- on training to the participants.

Value Added Skill Development Program on “Python for Data Science” (January 2022 – August 2022)



Organized by



Department of Information Technology

**Maturi Venkata Subba Rao
(MVSr) Engineering College**
(An Autonomous Institute)

(Sponsored by Matrusri Education Society)
Affiliated to Osmania University, Nadargul (P.O.),
Hyderabad - 501510. TELANGANA
Website: www.mvsrec.edu.in

Registration :

Online Registration is open for Students of BE 3/4 and 4/4 of IT, CSE and ECE.

<https://tinyurl.com/ValueAddedCourse>



No Registration Fee. Selection is based on Quiz.
Syllabus for Quiz: Basic Programming Skills

Important Dates:

Last date for online Registration: 07/01/2022.

Conduction of Quiz : 10/01/2022

Intimation to selected Participants based on Quiz:
12/01/2022

Module – I : Starts on 18/01/2022

Venue: Online

Contact Details:

For more details or any queries please contact

Email: vasdp_it@mvsrec.edu.in

Dr. A.V. Krishna Prasad, Assoc. Prof
Department of Information Technology
MVSr Engineering College, Hyderabad
Phone No: (+91) 9912111742

Mr. K.Chandra Sekhar, Asst.Prof
Department of Information Technology
MVSr Engineering College, Hyderabad
Phone No: (+91) 9390703719

About the Value Added Skill Development Programme on Python for Data Science:

Data Science is a multi-disciplinary area that uses scientific methods, algorithms and systems to extract hidden knowledge and insights from data (Structured and Unstructured). Data Science provides the practice of obtaining, exploring, modeling and interpreting data. Its confluence of mathematics, statistics and computer science disciplines, and incorporates techniques like machine learning, cluster analysis, big data analysis and visualization. In the latest technology trend, organizations are looking for the intelligent automation tools to solve business challenges, increase productivity, efficiency, and accuracy which results in the benefit of the organization.

Python is open source, interpreted, high level computer programming language often used to build websites and software, automate tasks, and conduct data analysis. It is one of the best language used by data scientist for various data science projects/application. Python provides great functionality to deal with mathematics, statistics and scientific function. It provides great libraries to deal with data science application.

Value Added Skill Development Course on Python for Data Science will be beneficial to Students for analysis of data using advanced techniques such as Artificial Intelligence, Machine Learning and Deep Learning Models. Implementation of main and mini Projects, conversion of projects to Technical papers, Third party Certification guidance and for building your resume.

The Certificates shall be issued to all participants based on attendance, assignment submission and Quiz conducted at the end of each module. Module wise certificates as well as full course completion certificate will be provided. So it is expected that participant should attend all the sessions of the programme.

Objectives of the Programme:

This Value added course is intended to provide opportunity for students to upgrade their knowledge in Python and Data Science

- To introduce & familiarize the concepts of analytics using Python.
- Build a Foundation for Data Science Skills.
- To disseminate the knowledge of data sciences and machine learning techniques.
- To provide conceptual understanding on data exploration, data modeling, analytics and visualization.
- To introduce the concepts of Business analytics using Python.
- To provide platform to Students to interact with Academia and industry experts from these domains

Expected Outcome:

- Enhance the current level of understanding on Data Analytics.
- Get exposure on machine learning and data science
- Hands on training on Python tools from industry experts and renowned academicians.
- Understand projects and research challenges in Python and Data science.
- Implementation of Main and Mini Projects,
- Conversion of projects to technical papers

Courses Covered:

Course 1: Analytics using Python

- Module 1: Basics of Python
- Module 2: Python for Mathematical Foundations & Visualization on data Science
- Module 3: Business Analytics using Python

Course 2: Advanced Concepts in Data Science using Python

- Module 1: Machine Learning using Python
- Module 2: Deep Learning using Python
- Module 3: NLP using Python

Course 3: Webinar Series

- WS1: Application areas of Data Science
- WS2: Project Documentation & implementation
- WS3: Converting Project into Technical paper

Chief patron:

Dr. K. P. Srinivas Rao
Chairman, Matrusri Education Society

Patron:

Dr. G. Kanaka Durga
Principal, M.V.S.R. Engineering College

Convener:

Dr. H. Jayasree
Head, ITD, M.V.S.R. Engineering College

Co-Convenor:

Dr. A.V.Krishna Prasad, Assoc.Prof., ITD.

Coordinator

Ms. J. Sowjanya Asst. Prof., ITD

Quiz Committee:

Mr. K. Chandra Sekhar Asst. Prof., ITD
Mr. P. Karthik Asst. Prof., ITD

Module wise Committee:

Ms. P. Amba Bhavani Asst. Prof., ITD (C1M1)
Ms. K Ramya Madhavi Asst. Prof., ITD (C1M2)
Ms. A. Manasa Asst. Prof., ITD (C1M3)
Dr. D. Shanthi, Assoc. Prof., ITD (C2M1)
Ms. K. Srilaxmi Asst. Prof., ITD (C2M2)
Dr. S.V.Vasantha, Assoc.Prof.,ITD (C2M3)

Webinar Series Committee:

Dr.Ch.Samson Professor, ITD
Mr. D.B.V.Ravi Sankar Assoc. Prof., ITD

Technical Committee:

Ms. G.Usha Sri Asst. Prof., ITD
Mr. E.Linga Murthy, Asst.Prof., ITD
Ms. N.Nitya lakshmi Asst. Prof., ITD

Organizing Committee:

Ms. K.Devaki, Asst.Prof., ITD
Mr. S. Ch. Vijaya Bhaskar Asst. Prof., ITD
Ms. A.Vijaya Vahini, Asst. Prof., ITD
Ms. Ch.Srujana, Asst. Prof., ITD
Mr. D. Muninder Asst. Prof., ITD