

Resource Persons

Persons from Government Organizations, IITs, IIITs, NITs, JNU, NITTTR, MNIT, IBM, and Industry with rich experience in Teaching, Research and Laboratory development will be handling the sessions.

Who should Attend ?

The faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, Industry (Bureaucrats / Technicians / Participants from Industry etc.) and Staff of host Institutions.

Registration

*No registration fee will be charged from the participants.

Online registration for the program will be there, i.e., First Come First Serve basis.

Certification

The Certificates shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test conducted at the end of the online STTP.

Organising Committee

Dr. Suman Bhatia, Associate Professor, CSE, FET, MRIIRS
Dr. Sheela Sharma, Assistant Professor, CSE, FET, MRIIRS
Ms. Manisha Vashist, Assistant Professor, CSE, FET, MRIIRS
Ms. Shobha Tyagi, Assistant Professor, CSE, FET, MRIIRS
Ms. Shubhangi Shrivastav, Assistant Professor, CSE, FET, MRIIRS

MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES

Deemed to be University under section 3 of the

UGC act, 1956

Accredited with 'A' grade by NAAC

Announces

One Week Online Short Term Training Program (STTP) On Machine Learning

12th - 17th October 2020



Under the Scheme of AICTE Training and Learning (ATAL) Academy Faculty Development Program (FDP) 2020-2021

Organized by :

Department of Computer Science and Engineering
Faculty of Engineering and Technology
Manav Rachna International Institute of Research and Studies



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About the Institute

Manav Rachna International Institute of Research and Studies (MRIIRS, formerly MRIU- a NAAC Accredited 'A' Grade Institution), 'Deemed-to-be-University' under Section 3 of the UGC Act 1956, offers programs from Graduate to Doctoral level that are in tune with the market dynamics. The Institution has been conferred with 5-Star rating for Teaching, Facilities, Social Responsibility and Inclusiveness by QS Rating System. It has also rated Manav Rachna International Institute of Research and Studies (MRIIRS) across two categories: Engineering (rank 174) and University (rank band 151-200).

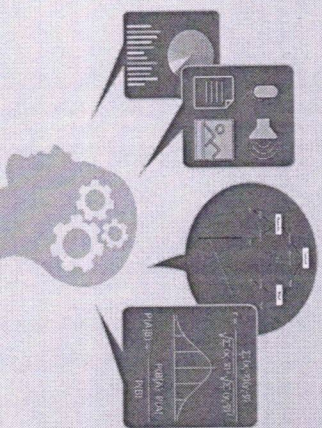
- Founder member of the prestigious "College Board's Indian Global Higher Education Alliance"
- NBA has accredited B.Tech- Computer Science & Engineering, Electronics & Communication Engineering, Mechanical Engineering and Biotechnology programmes.
- Bestowed with the 'Most Innovative University in Research and Studies' during the 8th International Human Rights Awards 2018 by All India Council of Human Rights, Liberties and Social Justice (AICHL(S)).
- First Institute in North India with Mitsubishi Electric Advanced Lab, imparting automation skills for Industry 4.0.

AICTE

All India Council for Technical Education (AICTE) was set up in November 1945 as a national-level Apex Advisory Body to conduct a survey on the facilities available for technical education and to promote development in the country in a coordinated and integrated manner. AICTE is committed for development of quality technical education in the country by initiating various schemes launched by Govt. of India, Ministry of Human Resource Development. Council understand that there is a need of the day to train the young generation in skill sector and having faculty & technicians to be trained in their respective disciplines.

Course Contents

- Introduction to Data Science using python
- Data Processing and Data Manipulation, Data cleaning, Data Normalization
- Handling Missing Values, Data Filtering, Feature Selection and Feature Extraction
- Data Analytics and Data Visualization
- Basic Concepts of Machine learning
- Classification and Regression Techniques
- Clustering and Association Techniques
- Dimensionality Reduction Techniques
- Bagging and Boosting Techniques
- Introduction to Deep Learning, Deep Neural Network for pattern recognitions
- Convolution Neural Network (CNN)
- Recurrent Neural Network (RNN)
- Introduction to Big Data Analytics, Hadoop and its components
- Hands on HDFS, Map Reduce, HBase, Hive, Pig, Jaql used for Big Data Analytics
- Hands on in Python for data analytics, classification, clustering, object detections, etc.

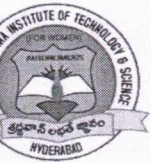


About the Department

The Department of Computer Science & Engineering (CSE) was established in 1997. The department focuses on mastering the fundamental concepts both theoretically and practically. Keeping in view the growth in industry and increasing demand of computer professionals, we also offering some industry associated courses. The course curriculum has been specially tailored to fulfill the growing global outlook and focuses on upcoming technologies in the field of Computer Science and Engineering, to cater to the needs of the industry and R&D organizations. One should choose Computer Science and Engineering (CSE) as there are plenty of opportunities in this area, the platforms are incredibly diverse, and the jobs guarantee high remuneration with excellent job satisfaction. The B.Tech (CSE) programme offered by the Department had been accredited twice by the National Board of Accreditation (NBA) in 2003, 2007 and 2018.

Theme of the Online Short Term Training Programme

The Department of Computer Science and Engineering, MRIIRS, under the AICTE FDC 2020-2021 scheme is going to organize One week Online Short Term Training Program (STTP) on Machine Learning on October 12th -17th, 2020. The online STTP will provide high-quality knowledge about Data Sciences, Machine Learning, Deep Learning and Big Data Analytics' to the researchers and academicians and also discuss the recent advances and researches in these fields. The online STTP will also provide a platform to learn these techniques using different tools and Python programming language. The online STTP also aims to encourage the exchange of ideas and creates an opportunity for collaboration in cutting edge areas of Data Sciences, Machine Learning, Deep Learning and Big Data Analytics.



H&M

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Department of Humanities and Mathematics

2020-21


REPORT

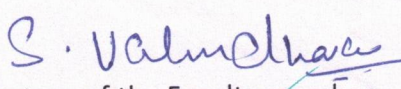

FDP on “ STTP on “Machine Learning”

Date of program: 12.10.2020 to 17.10.2020

Resource person: r. Supriya P. Panda,
Professor & Head, CSE, FET, MRIIRS
Dr. Bidyut Patra,
Assistant Prof., NIT, Raurkela
Ms. Vandana Kalra,
Assistant Prof., CSE, University of Delhi
Dr. Sandeep Kumar, Assistant Prof.,
Department of Electrical Engineering, IIT Delh

About the Program: This STTP aims to introduce the basic concepts, methods, and tools used in Data science, Machine Learning, Deep Learning and Big Data Analytics. It is applicable to Academicians, Industry professionals, and students. Hands – on sessions are also part of this STTP. During this workshop acquired knowledge on data science using Python, Data processing manipulation the data and and data analytics ad visualizing the data classification techniques clustering ,the program provided intense training to the researchers at advanced level .This STTP also aims to encourage the exchange of ideas and creates an opportunity for collaboration in cutting edge technologies like data sciences, machine learning, deep learning ad big data analytics.


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Signature of the Faculty member

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