



MALLA REDDY ENGINEERING COLLEGE FOR WOMEN

Autonomous Institution, UGC, Govt. of India

Accredited by NBA & NAAC with 'A' Grade | NIRF Indian Ranking, Accepted by MHRD Govt. of India

Permanently Affiliated to JNTUH, Approved by AICTE, Maisammaguda, Secunderabad

Two Week Faculty Development Programme on

ADVANCED

DATA SCIENCE

& Applications

17th to 28th August, 2020



ABOUT FDP

Data is one of the important features of every organization because it helps business leaders to make decisions based on facts, statistical numbers and trends. Due to this growing scope of data, data science came into picture which is a multidisciplinary field. It uses scientific approaches, procedure, algorithms, and framework to extract the knowledge and insight from a huge amount of data. The extracted data can be either structured or unstructured. Data science is a concept to bring together ideas, data examination, Machine Learning, and their related strategies to comprehend and dissect genuine phenomena with data. Data science is an extension of various data analysis fields such as data mining, statistics, predictive analysis and many more. Data Science is a huge field that uses a lot of methods and concepts which belongs to other fields like information science, statistics, mathematics, and computer science. Some of the techniques utilized in Data Science encompasses machine learning, visualization, pattern recognition, probability model, data engineering, signal processing, etc.

The importance of data science is based on the ability to take existing data that is not necessarily useful on its own and combine it with other data points to generate insights an organization can use to learn more about its customers and audience. A data scientist can help with the identification of the key groups with precision, via a thorough analysis of disparate sources of data. With this in-depth knowledge, organizations can tailor services and products to customer groups, and help profit margins flourish. Data science can add value to any business who can use their data well. From statistics and insights across workflows and hiring new candidates, to helping senior staff make better-informed decisions, data science is valuable to any company in any industry. Data Science is an inter-disciplinary field that uses mathematical, algorithmic & distributed systems techniques to extract useful knowledge and insights from massive quantities of data. Big Data Analytics, Machine Learning and Deep Learning are the fastest growing and most exciting techniques applied to solve real-world problems. Annual demand for the fastgrowing new roles of data scientist, data developers, and data engineers will reach nearly 7 Million by 2021. The FDP on Data Science will bring together both academic and industry experts to provide more insight and unveil research avenues in the domain

The vision of this FDP is to enhance the quality of education imparted in institutions by providing faculty members with a platform to learn all they need to know about Data Science and Analytics. Educators will get to learn the best practices in these domains so that they can teach the future workforce the required skill sets.

SCHEDULE

Day-1: Python for Data - Science
Day-2: Visualization in Python
Day-3: Exploratory Data Analysis
Day-4: Data Pre-processing
Day-5: Regression Models
Day-6: Regression Models continued
Day-7: Classification Models
Day-8: Classification Models
Day-9: Decision Tree Models
Day-10: Deep Learning

Time: Daily 4pm to 6pm

RESOURCE PERSON

Ms. Chintalapati Mohana Ravali,
Data Scientist & Trainer

Venue: After registration, selected participants will get online session details through registered email.

REGISTER HERE



Last Date for Registration: 16th August, 2020

Limited seats are available, this STTP is purely on first come, first serve basis.

Link: <https://forms.gle/mkivsKkXuQXFtsP17>

NO REGISTRATION FEE

E-Certificates will be provided



**DATA
SCIENCE**

ABOUT MRGI

Situated away from raucous sounds of Hyderabad city, MRGI epitomizes technocracy at its best. Being one of the largest campuses in Andhra Pradesh, MRGI promises eventful student oriented learning. The founder chairman Sri.Ch.Malla Reddy began the journey as an educationalist to form the bridge between society, industry and academics. He is an unassuming dynamic leader with a keen interest in changing trends of higher education and student's employability in India & abroad. The diverse and enormous growth of the group unravels his realistic vision to cater to the needs of students in all the areas of education. Education at MRGI brings all round and holistic development in students. Mr .CH. Malla Reddy is the Founder, Chairman of Malla Reddy Group of Institutions (MRGI). He has been in the field of education for the last 26 years with an aim of spreading quality education. It is the largest cluster of Technical Institutions in the state of Andhra Pradesh. Today MRGI campus has become a major learning centre with 21 institutions offering Engineering, Medical, Management, MCA and Pharmacy courses.

ABOUT MRECW

Malla Reddy Engineering College for Women – MRECW (Autonomous Institution, UGC, Govt. of India), established in 2008, is approved by AICTE, New Delhi and affiliated to JNT University, Hyderabad. The college has UGC Autonomous Status by Govt. of India, Accredited by NAAC with 'A' grade, Programmes Accredited by NBA, ISO 9001:2015 certified, Permanently Affiliated to JNTUH, 2(f) & 12(B) Recognised by UGC, Ranked by NIRF Indian Ranking-2020 & 2018, accepted by MHRD, Govt. of India, AAAA+ Rated in Top Engineering Colleges Survey 2019 by Digital Learning Magazine, AAA+ Rated by Careers 360 Magazine, Ranked Nationwide 95th by Outlook News Magazine, Ranked 3rd in 'Outstanding Engineering Colleges of Excellence' category by CSR, Top 100 National Ranking by Times New spaer, Platinum Rated by AICTE-CII Industry Linked Institutes Survey, recipient of "Best College of the Year-2019" from Education Matters, "College of the Year-2017 Award" from Silicon India Education, " Best Engineering College in Telangana & A.P. Award" from International Education Awards, Time Cyber Media Pvt. Ltd., "Education Leadership Award" from Dewang Mehta National Education Awards & "Engineering Educators Award" from University of Bradford, U.K. The College has established Robotics Centre of Excellence offering Training & Certification in Robotics.

The college offers B.Tech Programmes in ECE, CSE, EEE & IT, B.Arch Programme, M.Tech Programmes in Embedded Systems, Computer Science Engineering & MBA and has a strong vision of offering world class training to the promising engineers. 100% of the faculty members are ratified by JNTU Hyderabad. MRECW emphasizes on Application Oriented Teaching & Problem Based Solving. Since the establishment of the college, it is known for academic excellence. The College offers pre placement training program, e-learning, e-Training & e Assessment in collaboration with Time Institute, Training & Assessment through Code Tantra and Reference Globe, career connect and industry connect programs. During the Academic year 2019-20, more than 550/600 students are placed in reputed MNCs like Accenture, HSBC, Apps Associates, Cap Gemini, IBM, NTT Data, Tech Mahindra, Cognizant, Wipro, TCS, Infogain, CGI, CYIENT, Mphasis, Infosys, Amazon & Genpact, with 4 to 5 offer letters for many and also 8 to 10 offer letters for few. For the better prospects, the college offers training to students for Prestigious Certifications like Oxford Achievers Certification(in association with Oxford University Press, India), Microsoft, CISCO, Oracle and Robotics Process Automation Certifications through Center for Development of Communication Skills, Microsoft Innovation Center, CISCO Networking Academy, Oracle Corporation and BOTLAB respectively within the College Campus and also offers project based training programs for I, II, III & IV year students in their fields of interest. College initiates and organizes International and National Conferences in association with Scopus Indexed journals, Workshops and Refresher courses in the different Engineering disciplines to upgrade the knowledge of the faculty members. Many faculty members have attained patents, received awards, published books, more than 300 SCI/Scopus Indexed publications and huge number of publications and presentations in reputed International/National journals and conferences. The faculty of the institution have completed and are also undertaking many more Research and funding projects. MRECW is always in the forefront in organizing workshops on latest technologies like Robotics, IOT, Block Chain Technology, R-Programming, Cloud Computing, Python, Android, Cadence Tools, MATLAB and Multisim to fill the gap between the Industry and Academia.

The college has established Institution Innovation Council under MHRD and is member of J-Hub under JNTUH. Through these, in association with Entrepreneurship Development Cell, the College organizes and promotes Hackathon programmes for which our students have been selected as Top innovators and their products selected as Top Innovative products. The College also organizes Personality Development Programmes in association with Vivekananda Institute of Human Excellence, Rama Krishna Math, Hyderabad. Students established IEEE, IETE, ISTE Student chapters and Technical Associations in each department under which they organize National and State Level Technical Symposia, Technical Quiz, Debate Competition, Group Discussion and Mock interviews etc. to improve their technical skills and soft skills. MRECW also organizes standard Events like Women's Day, Engineer's Day, Teacher's Day, Annual Day, Graduation Day, etc. Here is the place where we mould students into industry ready engineers by providing leadership development, mentoring in technical education and empowering our young women to be the architects of change in the world of technology. We also strive to inculcate human values, ethics, and respect for tradition along with lot of emphasis on decency, dignity and life skills to meet the challenges of the world.

Chief Patron:
Sri. Ch. Malla Reddy,
Hon'ble Minister,
Govt. of Telangana State
Founder Chairman, MRGI

Patrons:
Sri Ch. Mahender Reddy,
Secretary, MRGI
Dr. Ch. Bhadra Reddy,
President, MRGI

Convener:

Dr. Y. Madhavee Latha
Principal, MRECW



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