One Week Online Faculty Development Programme

On

Emerging Tools & Techniques in Cloud Computing & Data Science

(19th -24th February 2024)

Resource persons:

Experienced faculty from renowned universities/premier institutes, industry experts and host Institution.

CHIEF PATRONS

Sri. J. Narsimha Reddy- Chairman
Mr. J. Trishul Reddy - Secretary
Mr. J. Thrilok Reddy – Treasurer
Dr. A.Mohan Babu -Director

PATRON

Dr. R. Lokanadham- Principal

CO-PATRON

Dr. B. Rama Subba Reddy, Professor-CSE-Dean
Dr. A.V.L.N Sujith - Professor & CSE-HOD
Dr. M Parthasaradhi-Prof & Emerging-HOD.

CONVENERS

Dr. P. Dileep Kumar Reddy, Professor, CSE
Dr. N. Srinivasa Rao, Assoc. Professor-CSE(E)

COORDINATORS

Dr. Kavitha Nallamothu, Professor-CSE
Dr.V L Padama Latha, Assoc. Professor-CSE(E)

Advisory Committee:

Dr. D. Murali, Sr. Professor, CSE
Dr. P. Venkat Rao, Dean-Academics
Dr. M.Shoban, Director, IR & Placements
Dr. K Eswaramoorthy, NIRF Coordinator
Prof. C. Dinakaran- CoE
Dr. T.L.Ramadasu, Civil-HOD
Dr. C Sasikala, EEE-HOD
Dr. Purushotham Prasad, ECE-HOD
Dr. M. Ashok Kumar,MEC-HOD
Dr. B.Lekshmi Sree, R&D- Dean
Prof. B.Pramoda Holly Star - MBA- HOD
Prof. N Sai Kiranmai, Professor, H&S-HOD
Prof. Srilakshmi Cherukuri, Professor, CSE-Dean-Freshman Engineering
Prof. Mopuru Bhargavi- Professor- IQAC
Mr. D Srinivas- Dean-ICT

Organizing Committee:
All staff members- School of Computer Science, NRCM

In Technical Association With Computer Society of India Hyderabad Chapter

Organized by

SCHOOL OF COMPUTER SCIENCE

NARSIMHA REDDY ENGINEERING COLLEGE

(Autonomous)

(Approved by AICTE, New Delhi, Affiliated to JNTU, Hyderabad)
ACCREDITED BY NBA and NAAC
WITH A-GRADE
Maisammaguda (V), Kompally, Secundrabad - 500100
www.nrcmec.org

About the Institute:

Narsimha Reddy Engineering College (NRCM) is promoted & managed under the inspiring & dynamic Chairmanship of Sri. J. Narsimha Reddy and a fleet of dedicated members. This is the first institution belonging to JAKKULA EDUCATIONAL SOCIETY, established in 2007 with a vision to become a leader in providing quality educational services. College is affiliated to JNTUH & Approved by AICTE, Recognized under sections 2(f) & 12(B) of UGC act 1956, Accredited by NAAC with 'A' Grade. All eligible B.Tech Programmes are accredited by NBA, New Delhi. The College offers 6 UG Courses (CE, CSE, ECE, EEE, CSM, CSC, CSD & ME) & PG Course in MBA. The Institution conferred 'Autonomous status' by UGC, New Delhi in the year 2020.

The campus is equipped with state of art laboratories and center of excellence through advanced tools and technologies. The central library has a large collection of books, journals and online resources for the benefit of students and faculty. Learning at NRCM has a pragmatic approach with a clear focus, valuing· individual vision, intellectual discipline, and a sense of teamwork. We aim at developing our students to their full potential, preparing them to take the next step towards career success.

About the Department:

The Department of Computer Science and Engineering (CSE) was established in the year 2007. The Intake was increased to 120 in the year 2008, and further increased to 180 in 2012. The B.Tech Program in CSE has been accredited twice by National Board of Accreditation (NBA), in 2017 and 2020.

The Department has highly qualified and experienced Faculty having strong knowledge in research and Teaching. The Department has MOU with reputed Industries and Researches & Development Organizations. The Department has state of the art laboratories. The Department Conducts Seminars and guest Lectures, apart from it, to improve the Employability and Soft-skills the Department conducts regular Training in Soft-Skills throughout the year.

Objectives of the Programme:

- ❖ Understand cloud computing models and major service providers.
- ❖ Develop proficiency in Python programming and NoSQL databases.
- ❖ Learn deployment techniques on cloud platforms like AWS, Azure, and Digital Ocean.
- ❖ Gain foundational knowledge in data science principles and mathematics.
- ❖ Acquire practical skills in data analysis, machine learning, and data visualization using R and Python.

Benefits to Faculty:

- ❖ Faculty will gain updated knowledge and skills in cloud computing, programming, and data science.
- ❖ Faculty can develop and update course curricula to align with industry trends, fostering innovation and ensuring students are well-prepared for careers in technology and data science.
- ❖ Engagement with peers and experts in the FDP will lead to networking opportunities and collaborative research projects,

Topics: -

- ❖ Cloud computing Concepts & its applications.
- ❖ Python Programming and NoSQL databases Socket Communication and building local web server
- ❖ Introduction to AWS and Microsoft Azure, Digital Ocean Cloud and its deployment using mongoDB
- ❖ The major topics for hands-on training using R and Python covered under the programme
- ❖ Overview of Data Science
- ❖ Mathematical Foundation for Data Science
- ❖ Data Analytics and Machine Learning
- ❖ Deep Learning and Big Data Analytics
- ❖ Data Visualization techniques and Case Studies.

Eligibility:

This program is open to Faculty Members and Research Scholars of AICTE approved Engineering colleges and Polytechnic colleges. There will be a maximum of 250 participants selected based on first come first serve.

Address for Communication:

Dr. P. Dileep Kumar Reddy
Convener and Professor
CSE Department
Narsimha Reddy Engineering College (Autonomous), Secunderabad, Telangana State, India- 500100. Ph.No:9959845657.
Email Id: **dileepreddy503@nrcmec.org**

Registration Details:

Eligible participants are requested to fill the online registration form on or before 16/02/2024
https://forms.gle/Sd3ttyGN7YZDvPuF
There is No Registration Fee for this FDP. The certificates will be issued to those who maintains minimum 80% attendance and scores minimum 60% marks in the test at the end of the online program.