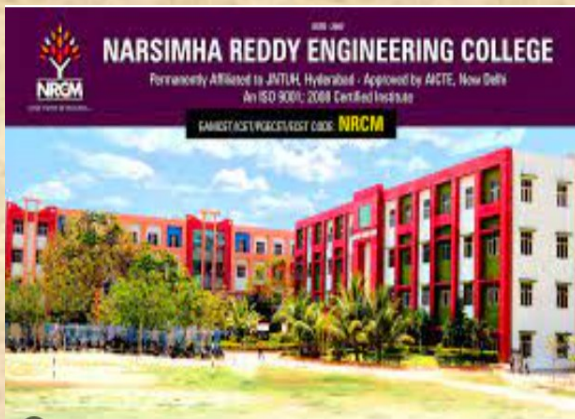


One Week Online Faculty Development Programme

on
Machine Learning in Big Data Analytics,
Principles, Techniques and Challenges
(13th -18th February 2023)



Resource persons:

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

CHIEF PATRONS

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Mr. J. Trishul Reddy - Secretary
Mr. J. Thrilok Reddy – Treasurer
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CSE-Emerging HOD
Dr.P.Venkat Rao, Dean

CONVENER

Dr. P. Dileep Kumar Reddy
Professor, CSE

COORDINATORS

Dr. N. Kavitha –Professor
Dr. Ravindra Raman Cholla, Professor-CSE
Dr. N. Srinivasa Rao, Professor-CSE
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Advisory Committee:

Dr.M.Shoban, Director, IR
Dr. T.L.Ramadasu, Civil-HOD
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Dr. Shailendra Yadav- MBA- HOD
Dr. Dharavath Bhadr, , Professor-CSE
Prof. N Sai Kiranmai, Professor, H&S-HOD

Organizing Committee:

All staff members of CSE Department and
Emerging Branches.



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Organized by

DEPARTMENT OF
COMPUTER SCIENCE AND
ENGINEERING
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 8 UG Courses (CE, CSE, ECE, EEE, CSM, CSC, CSD & ME) & PG Course 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 was established in the year 2007, right from the inception of the college, with an annual intake of 60 students for B.Tech programme and subsequently the intake was enhanced to 120 in the year 2012 and to 180 in 2017. At present the department intake for undergraduate (B.Tech) CSE 180. AI&ML, CS, DS Courses are sanctioned for the A.Y 2020-2021 with an intake of 60 each.

The Department has highly qualified Faculty with excellent Research Publication and well equipped Labs. The Department has mous with reputed Industries and Researchs Development Organizations. The Department Conducts Seminar 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:

This FDP will focus on fundamental concepts and techniques related to Machine Learning, Deep Learning, and Big Data. This program aims at providing hands-on experience on available tools, recent advancements and research outcomes in Machine Learning and Big Data Analytics. This Training Program will provide a platform to the researchers, industry experts, and academic professionals to share their research experiences in the field of Machine Learning and Big Data Analytics.

Benefits to Faculty:

- Machine learning in big data analytics is an emerging area of research. This training program will definitely help participants comprehend and master concepts like classification, regression, and prediction. It also enhances knowledge in Deep learning basics and statistical modeling.

At the end of this Training Program, participants will be able to

- Solve real-world problems by applying Machine Learning and Data Analytics tools.

- Integrate Machine Learning libraries, and mathematical tools with modern technologies like HDFS and Map Reduce.

Topics: -

- Conceptual understanding of Big Data, Machine Learning, and Deep Learning.
- Challenges in Big Data Analytics

- Research Scope and Applications of Machine Learning.
- Python & R Programming for Machine Learning and Big Data Analytics.
- Regression Techniques and Decision Tree algorithms. - Deep Learning algorithms and applications in Big Data Analytics
- Principal Component Analysis (PCA)
- Case Studies: Natural Language Processing, Weather Forecasting, Sentiment Analysis, etc.

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 04/02/2023

<https://forms.gle/WzyFGGrJwvUh2nmJV6>

There is No Registration Fee. 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.