



Sri Chandrasekharendra Saraswathi Viswa Maha Vidyalaya
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Report on ICT Based Short Term Course on Data science and Machine Learning

The Department of Computer Science and Engineering Organized the ICT Based Short Term Course on Data science and Machine Learning from 23rd sep to 27thSept 2024 for the students and faculties. Dr. M. Saraswathi, Assistant Professor in the department of CSE acts as a Local Coordinator and R.Preethi Assistant Professor from CSE, coordinated locally for this event. The program aimed to provide participants with a complete understanding of Data science and Machine Learning Algorithms

The course was organized by NITTTR, Chandigarh a leading institution in the field of technology and education. The organizing committee comprised experienced professionals and subject matter experts in Data Science and Machine Learning.

The detailed schedule of the programme as follows.

Date	9:30 am to 11:00 am	11:30 AM to 1:00 PM	2:30 PM to 4:00 PM
23.09.2024	Registration and inauguration (Prof. Maitreveen Dutta)	Introduction to DS and ML (Prof. Maitreveen Dutta)	Basics of Python Programming (Dr. Jagrithi Saini , Expert)
24.09.2024	Basics of Data Preprocessing and Feature Engineering (Prof. Maitreveen Dutta)	Data loading and Preprocessing using Python (Dr. Jagrithi Saini)	Statistical Analysis and Visualisation (Dr. Jagrithi Saini , Expert)
25.09.2024	Introduction to Regression Algorithms in ML (Prof. Maitreveen Dutta)	Generative AI (online) (Dr. Ritu Kapur , Expert)	Application of Regression Case Study 2 (Dr. Jagrithi Saini , Expert)
26.09.2024	Introduction to Classification Algorithms in ML (Prof. Maitreveen Dutta)	Application of Classification Case Study (Dr. Jagrithi Saini , Expert)	Application of AI in non-invasive Healthcare solutions (online) (Dr. Ritu Kapur , Expert)
27.09.2024	Unsupervised Learning in ML (Prof. Maitreveen Dutta)	Case Study on Clustering/Anomaly Detection (Dr. Jagrithi Saini , Expert)	Feedback and Vaediction of the programme (Prof. Maitreveen Dutta)

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Eminent speakers and industry experts conducted sessions during the course, providing valuable insights and sharing their experiences in the field. As an outcome of the course Participants expressed high satisfaction with the course content, emphasizing its relevance to current industry needs. The hands-on approach to learning through practical demonstration was particularly appreciated. Totally 20 faculty members from our institutions, six External participants and UG Students were attended and benefitted.

