A Faculty Development Program

on

Innovations in Machine Learning, Artificial Intelligence, Data Science and Modelling

[16 Dec - 23 Dec, 2024]

under the aegis of

Electronics & ICT Academy IIT Roorkee

Supported by

Ministry of Electronics & Information Technology Government of India

Experts from Academia/Industry

Certificates to participants by E&ICT Academy IIT Roorkee

Hybrid Mode: Vignan's Foundation for Science, Technology & Research (Deemed to be University), Guntur Andhra Pradesh

Why this course ?

The course explores cutting-edge innovations in Machine Learning, Artificial Intelligence (AI), Data Science, and Modeling, equipping participants with the knowledge to tackle real-world challenges. It bridges theoretical understanding and practical applications, empowering professionals to harness AI and data-driven techniques for problem-solving, predictive analytics, and decision-making across industries. This transformative program ensures participants stay ahead in a rapidly evolving technological landscape.

Objectives of the course

- Understand the latest advancements in Machine Learning and AI.
- Develop expertise in data analysis and predictive modeling.
- Explore applications of AI and ML in real-world scenarios.
- Gain hands-on experience with advanced tools and frameworks.
- Build robust models for accurate predictions and insights.
- Foster innovation by integrating AI into diverse domains.
- Enhance critical thinking and problem-solving skills through data science.

Course Features

- 40 Hours of Lectures & Hands-on (Hybrid Mode)
- Lectures from Expert Speakers, Hands-on from industry experts
- Access to learning material and video lectures
- Certificate by E&ICT Academy IIT Roorkee

Focus Area

- Deep learning and neural network advancements.
- Natural language processing (NLP) and computer vision.
- Big data analysis and visualization techniques.
- Ethical considerations and biases in AI.
- Reinforcement learning and generative AI models.
- Applications in healthcare, finance, and other key industries.
- Deployment and optimization of machine learning models.

Prerequisites

- No experience is required, but fundamental knowledge of any programming language would be helpful

Conference Code: EICTIITR-FDP-24-13

Principal Investigator

Prof. Sanjeev Manhas
E&ICT Academy, IIT Roorkee

Course Coordinators

- Prof. Sanjeev Manhas, ECE Department, IIT Roorkee
- Dr. Goli Srinivasa Rao, Department of Mathematics & Statistics, School of Applied Sciences & Humanities, Vignan's Foundation for Science, Technology & Research, Vadlamudi, Guntur, Andhra Pradesh

Reach Us:

Landline No.+91-332286457,M.No.- 8112766397
Email: eict@iitr.ac.in

DISTINGUISHED SPEAKERS

Dr. Wasiur Rahman Khuda Bukhsh
University of Nottingham, UK

Prof. Bhuvanesh Unhelkar
University of South Florida, USA

Prof. Rammohan Mallipeddi
Kyungpook National University, Korea

Prof. Zulqurnain Sabir
Lebanese American University, Lebanon

Prof. Samarjit Kar
NIT Durgapur, India

Prof. C. S. Sastry
IIT Hyderabad, Inida

Dr. Arif Ahmed Sekh
UiT The Arctic University of Norway

Dr. Debashree Guha Adhya
IIT Kharagpur, India

Dr. Rajesh Saha
NIT Silchar, India

Prof. Niladri Chatterjee
IIT Delhi, India

Biswajit Pal Kenvue
Johnson & Johnson India

Dr. Bikash Santra
IIT Jodhpur India

Dr. Sujit Kumar Das
NIT Warangal India

Suman Pal
Oracle, India