ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)
ON
ARTIFICIAL INTELLIGENCE, MACHINE LEARNING AND DEEP LEARNING (AIMLDL)
(8th – 18th July 2024)
Organized by
E & ICT Academy, NIT Warangal, Telangana
in association with
Department of CSE, GIET University, Gunupur, Odisha
Sponsored by
Ministry of Electronics and Information Technology (MeitY), GoI.

Preamble:

"Electronics & ICT Academy" was set up at NIT Warangal with financial assistance from MeitY, GoI. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa, Puducherry and Andaman & Nicobar Islands. This academy role is to offer faculty development programmes(FDPs) in standardized courses and emerging areas of Electronics, Information Communication Technologies, training and consultancy services for Industry, Curriculum development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

This Online FDP is devoted to address the need to enhance the knowledge about the latest development pertaining to **Artificial Intelligence (AI), Machine Learning (ML) and Deep Learning (DL)** is being conducted at **Department of CSE, GIET University, Gunupur-765022, Odisha**. The whole course is handled by academicians and industry experts.

Major Course Contents:

- Introduction to AI, Agents, Environments and Problem Formulations
- Search Algorithms and Game Search
- Probabilistic Reasoning and Hidden Markov Model
- Markov Decision Process
- Overview of Machine Learning
- Supervised, Unsupervised and Semi-Supervised Learning
- Reinforcement Learning
- Linear and Non-Linear Models
- Natural Language Processing
- Regression and Classification
- Clustering
- Forecasting, Predictions and Diagnostics
- Data Visualization
- Statistical Tests
- Support Vector Machine, Decision Tree and Random Forest
- K-Nearest Neighbors Algorithm
- Overfitting and Underfitting
- Neural Networks
- Overview of Deep Learning
- Mathematical Foundations: Linear Algebra, Statistics, Probability and Hypothesis and Inference
- Recommender Systems
- Case Studies on AI, ML and DS Application

Faculty conducting this program:

The program will be conducted by the faculty members from GIET University and NIT Warangal; academicians in the concerned field from IITs/NITs/IIITs/Abroad are invited to deliver lectures in the program. Speakers from industries are also expected to deliver as part of the course.

Eligibility:

The program is open to the Faculty of Engineering Colleges, MCA Colleges and other allied disciplines in India. Industry personnel working in the concerned /allied discipline can also attend.

Registration Fee Particulars:

Faculty, Research Scholars and Industry Participants	Rs. 1000/-

Participants need to pay the Registration Fee Online using the following details

Online Transfer Details
Account Name: Electronics & ICT Academy NITW Account No: 62423775910 IFSC: SBIN0020149

How to apply:

Participants are required to fill the online registration form by clicking on the following link:

https://forms.gle/ocXuzJHgvGxH3BN3A

Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of 100 (hundred). The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD/online payment will be sent back. Candidates will be issued satisfactory certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

Important dates:

Last Date for Submission of Application	07/07/2024 (11:59 PM)
Selection List by E- mail	08/07/2024 (11:59 PM)
Duration	08/07/2024 (Monday) to 18/07/2024 (Thursday)

About GIET University, Gunupur

GIET University, Gunupur, Odisha (formerly known as Gandhi Institute of Engineering and Technology) was established by Vidya Bharati Educational Trust, Gunupur, in the year 1997. GIET was declared as a state university on 27th Dec 2018 by Govt. of Odisha as Private University of the state. GIET University is approved by the Govt. of Odisha, UGC and AICTE. Most of the programs offered under the University are accredited by the NBA.

About NIT Warangal:

National Institute of Technology, Warangal is the first among 17 RECs setup as joint venture of the Government of India and the state government. Over the years the college has established itself as a premier Institute imparting technical education of a very high standard leading to the B.Tech. Degrees in various branches of engineering, M. Tech. and Ph.D. programs in various specializations. All B. Tech. and M. Tech. programs of NIT Warangal are NBA accredited.

Coordinators:

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