UBiComp

FEDERATED LEARNING FOR USER PRIVACY AND DATA CONFIDENTIALITY

Organised by

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
NATIONAL INSTITUTE OF TECHNOLOGY, DELHI

Starting from 17th June, 2024

Duration: 6 weeks

Contact us:-
ubiquitouslab@nitdelhi.ac.in
National Institute of Technology
Plot No. FA7, Zone P1,
GT Karnal Road, Delhi-110036

Limited seats only...

COURSE CURRICULUM

- Federated Machine Learning System Models & Design
- Transfer Learning in Federated Learning
- Optimization Algorithms for Network Management in Federated Learning
- Incentive Mechanisms for Federated Learning Participants
- Deep Reinforcement Learning for Federated Learning Resource Management
- Routing Schemes in Federated Learning
- Federated Learning Client Selection and Scheduling
- Datasets and open-source tools for federated and privacy-preserving web search and data mining.
- Applications of Federated Learning in Wireless Networks (5G, 6G), Internet of Things, Cloud/Fog/Edge Computing and Networks, Vehicular and Mobile Networks, Urban Environments, Smart Cities, Healthcare, etc.
- Platforms Addressing Security and Privacy Concerns in Federated Learning

EMINENT SPEAKERS

Ts. Dr Izzatdin Abdul Aziz
Associate Professor
Universiti Teknologi PETRONAS (UTP)

Prof. Leandro Melo de Sales
Professor
Institute of Computing (IC) at Federal
University of Alagoas (UFAL), Brazil

Dr. Nonita Sharma
Associate Professor
IGDTUW New Delhi

Dr. Arshpreet Kaur
Assistant Professor
Alliance University

Dr. Shashvat Sharma
Assistant Professor
Alliance University

ORGANIZING COMMITTEE

Chief Patron:
Prof. (Dr.) Ajay K. Sharma
Director
NIT Delhi

Convenor:
Prof. (Dr.) Geeta Sikka
Dean Academics
NIT DELHI

Co-ordinator:
Dr. Karan Verma
Assoc. Professor
NIT Delhi

REGISTRATION DETAILS:

Registration fees:
Rs. 10000/- only
{Food & accomodation
included)

Registration Link:
https://forms.gle/kEKs3Lr
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