6th Workshop on Machine Learning and Data Analytics

(1st June 2023 − 15th June 2023)

Indian Institute of Information Technology, Allahabad

URL: https://mlda.iiita.ac.in/

Aim of the workshop

This is the sixth workshop in the series and will be conducted online. Workshop will address the basics and recent research work on machine learning, security and data analytics. In addition, the integration of three dimensions will be discussed with its importance and a project. This workshop is to motivate researchers to work in the area of machine learning, data analytics and security.

Objectives of the workshop

Bring academicians, researchers, industry practitioners and students to discuss the importance of machine learning, data mining and security. Provide practical experience on technologies. At the end, a capstone will be given to the participants to encourage the utilization of the learnings.

About IIIT-Allahabad

The institution was founded in 1999, and in the following year received university status and the right to award its own degrees. In 2014 the IIIT Act was passed, under which IIITA and four other Institutes of Information Technology funded by the Ministry of Human Resource Development were classed as Institutes of National Importance.

Topics to be Covered

Machine Learning

- Non-Linear Dimensionality Reduction: PCA, Manifold Learning
- Regression & Kernel Classifiers- SVM.
- Deep Learning: CNN, RNN, LSTM, Auto-encoder & GAN.
- Transfer Learning
- Natural Language Processing

Data Mining and Analytics

- Data Mining Algorithms
- Association Mining
- Classification
- Clustering of Large Data
- Big Data Analytics (MapReduce, Spark, NoSQL, Mongo)

Security

- Data Security and Privacy
- Blockchain
- Security Risk in ML

Registration Process

Interested can register their participation by filling the registration form available in the website (https://mlda.iiita.ac.in) before 15th May 2023.

Resource Persons

- Experts from IIIT, Allahabad and other similar reputed institutes

Registration fee

- IIITA Student - ₹1000
- Non-IIITA Student - ₹1180 (includingy GST)
- Others - ₹2360 (including GST)

Note: Registration fee is only for training.

Organizers

- Network Security & Cryptography Lab, IIIT-Allahabad
- Machine Learning & Optimization Lab, IIIT-Allahabad
- Data Analytics Lab, IIIT-Allahabad

Organizing Committee

Patron

- Prof.P.Mukul S Sutaone

Chair

- Prof.Shekhar Verma

Co-ordinators

- Dr.Manish Kumar
- Dr.K.P.Singh
- Dr.S.Venkatesan

Conveners

- Prof. Pavan Chakraborty
- Dr. Sonali Agarwal
- Dr. Muneendra Ojha

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