



# 4<sup>th</sup> Workshop on Machine Learning and Data Analytics

(Online mode)

(15<sup>th</sup> May 2021 – 29<sup>th</sup> May 2021)

Indian Institute of Information Technology, Allahabad

URL: <https://mlda.iitaa.ac.in/>



## Aim of the workshop

Motivate researchers to work in the area of machine learning, data mining and security.

## Objectives of the workshop

Bring academicians, researchers, industry practitioners and students to discuss the importance of machine learning, data mining and security. At the end, a five days project will be given to the participants to encourage the utilization of the learnings. This workshop also invites student papers for poster presentation. The workshop plan

- Theory & Tutorial Session - 10 days (10 am - 01 pm)
- Hands-on and Lab session - 10 days (3 pm - 6 pm)
- Capstone Project - 5 days

## 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.

## Registration Process

Interested can register their participation by filling the registration form available in the website (<https://mlda.iitaa.ac.in/>) before 10<sup>th</sup> May 2021.

## 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
- Hands-on Sessions on Tensor Flow

### *Data Mining and Analytics*

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

### *Data Security and Privacy*

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

## Resource Persons

- Experts are from IIIT - Allahabad and other reputed Institutes.

## Registration fee

- Student/Academia/Industry Participants - ₹5900 (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.Nagabhushan

Chair

- Prof.Shekhar Verma

Co-ordinators

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

## Correspondence

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