



5th Workshop on Machine Learning and Data Analytics

(Online mode)
(20th June 2022 – 29th June 2022)

Jointly organized by
Indian Institute of Information Technology, Allahabad
and
ITIL, Victoria University Melbourne
URL: <https://mlda.iiita.ac.in/>

Proudly supported by



Aim of the workshop

This is the fifth 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.

About ITIL, Victoria University

INTELLIGENT TECHNOLOGY INNOVATION LAB (ITIL) group conduct research in developing smart technology that can solve contemporary social problems of our daily life to achieve a better living for community. The groups major strength is Artificial Intelligence (AI) that can use machine comprehension to extract semantic meaning. Our application areas include cyber security, healthcare, smart city, tourism and domestic violence.

Registration Process

Interested can register their participation by filling the registration form available in the website (<https://mlda.iiita.ac.in>) before 15th June 2022.

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
- Emotion Analysis

Data Mining and Analytics

- Data Mining Algorithms
- Association Mining
- Classification
- Clustering of Large Data
- Big Data Analytics

Data Security and Privacy

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

Resource Persons

- Experts are from IIIT-Allahabad, India and Victoria University, Melbourne.

Registration fee

- Student/Academia/Industry - ₹ 2950/- (including GST)
- Free for Victoria University Students

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
- Intelligent Technology Innovation Lab (ITIL), Victoria University, Melbourne, Australia.

Co-Ordinators

- Prof. Shekhar Verma
- Dr. Manish Kumar
- Dr. K. P. Singh
- Dr. S. Venkatesan
- Dr. Sudha Subramani

Correspondence

Dr. K. P. Singh
Department of Information Technology
Computer Centre - 2 (CC-2)
Indian Institute of Information Technology, Allahabad
Jhalwa, Allahabad, Uttar Pradesh - 211015. INDIA
E-Mail: kpsingh@iiita.ac.in | Ph: 0532- 2922226
Mobile: +91-9918999926