AI/ML Workshop

OVERVIEW -

This workshop aims to enhance knowledge of AI and ML. This will be exceptionally advantageous for Artificial Intelligence and Machine learning enthusiasts.

Prerequisite Knowledge:

- Linear Algebra
- Statistics and Probability
- Basics of Calculus
- Graph theory
- Programming Skills – Languages such as Python, C++

Date: 25th – 26th February 2020

Registration Fees: Rs 500/-

DESCRIPTION -

This workshop consists of the following topics:

- Introduction to Neural Networks.
- History of Neural Networks.
- The basic structure.
- MLP/ANN
- Intuition behind Activation functions
- Forward propagation
- Loss functions
- Optimization
- Back Propagation
- Hyperparameter Tuning
- Regularization in neural network
- The importance of dataset augmentation
- Convolution Neural Networks

- Why does Convolution Networks work?
- Transfer Learning in Images
- Text Based Models
- RNN
- LSTM/GRU
- Attention Mechanism
- Overview of Self-Attention Models and Generative Models

Coordinators:

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* The participants will be provided with an e-certificate. *

Website: www.adhyaaya.org