

## MLT-01 Machine Learning-I

### **Key Takeaways:**

This session exposes students to the field of Machine Learning. It will give participants an intuitive understanding of what the field encompasses and the various learning algorithms it offers.

The participants will get a sufficient understanding of the core concepts of machine learning. The key takeaways from this session are as follows:

- Understanding of supervised, unsupervised and transfer learning
- Decision Trees and Random Forests
- Gini Index and Entropy
- Logistic Regression
- Feature Selection

### **Pre-requisites:**

- Click here Go through [this course](#) on Machine learning.

### **Recommendations:**

Below are reference books for reading:

- Introduction to Statistical Learning by Gareth James, Daniela Witten, Trevor Hastie, & Robert Tibshirani
- The Elements of Statistical Learning by Trevor Hastie, Robert Tibshirani, & Jerome Friedman
- Applied Predictive Modelling by Max Kuhn & Kjell Johnson