





Artificial Intelligence and Machine Learning

Name of the Workshop: Machine Learning and Artificial Intelligence

Duration: 2 Days

Registration Fees: Rs. 1200/- Per Person

Take Away: Certification to each individual participant and Digital Software toolkit.

Dates: 20th and 21st Jan, 2018

Venue: IISc (Indian Institute of Science), Bangalore

About Workshop:

Artificial Intelligence (AI) is a field that has a long history but is still constantly and actively growing and changing. In this workshop, you'll learn the basics of modern AI as well as some of the representative applications of AI and Machine Learning.

Along the way, we also hope to excite you about the numerous applications and huge possibilities in the field of AI and Machine Learning, which continues to expand human capability beyond our imagination.

Contact Us: 082960 19876

Our Website: http://pravega.org/





Major Topics Covered:

Introduction to Artificial Intelligence Introduction to Machine Learning Applications of Machine Learning Artificial Intelligence & Machine Learning Database Mining & Machine Learning Supervised Learning Introduction & Examples Unsupervised Learning Introduction & Examples Linear Regression & implementation Introduction to Gradient Descent Algorithm Linear Algebra review Introduction to Neuron Introduction to Network Architecture Designing Neural Network Model Model Representation Methods Single Layer Neural Network Multilayer Neural Network Architecture Training the Network **Backward Propagation Training** Using the Network Importing & Exporting Network Importing & Exporting Training Data Introduction to Dynamic Neural Network Neural Network Blocks in Simulink Working with Genetic Algorithm Getting started with Genetic Algorithm

Examples and applications

Case Study: Cancer Detection
Case Study: Character Recognition

Case Study: Iris Clustering

Case Study: Intelligent Washing Machine Design

Case Study: 8 Queens Problem Solver

Prerequisites:

Implementing GA

There are no prerequisites to participate in many out of these workshops. These workshops don't require a prior working

Contact Us: 082960 19876

Our Website: http://pravega.org/