Machine Learning & Artificial Intelligence

Level : Beginner
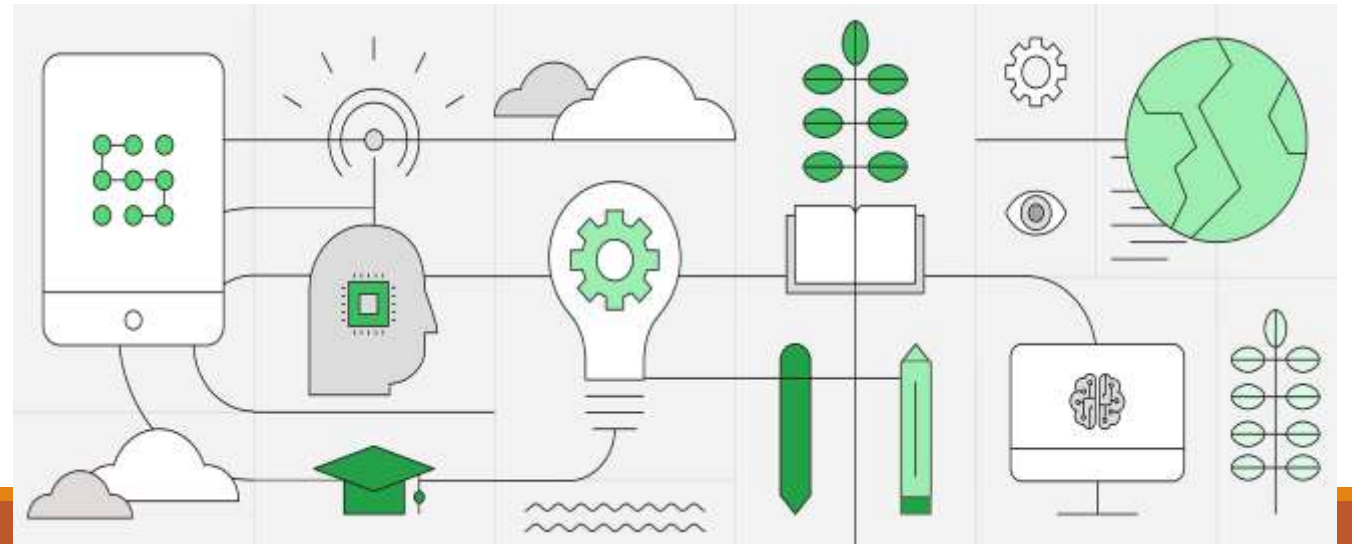
Duration: 30 Hours

Objective

- This Course introduces machine learning by providing hands-on experiences for training machine learning systems and building things with them.

- Here you to understand what is artificial intelligence, how machines learn and you will create real-life projects by using machine learning models. The lectures are carefully designed to target **specific machine learning models** and **real-life applications** without getting into boring or complex details.

- This course is fun and exciting, but at the same time, we'll dive into Machine Learning.

- Discuss the role artificial intelligence plays in your lives.

- Train and test a machine learning model.

- Understanding how human bias plays a role in machine learning.

Course Outcome

- Understand the theory behind Artificial Intelligence

- Build many Machine Learning Models

- Classify images, sounds and sentiments using supervised learning

- Implement Machine Learning models to real-life projects

- Build a recommender system for tourists

- Genuinely understand what Machine Learning is

- The impact of Machine Learning on society

- Know what problems Machine Learning can solve

CURRICULUM

Introduction to AI & ML
How to train the Machines with given data

AI Vs ML Vs DL

Text Based Projects In Machine Learning

- Make Me Happy
- Tourist Info
- Smart Classroom ML Project
- Sorting Hat

Image Based Projects In Machine Learning

- Shape Sorter Image ML Project
- Hand Writing Image ML Project

Sound Based Project In Machine Learning

- Alien Language Sound ML Project

Number Based Project In Machine Learning

- Titanic Project
- Pac- Man Game

Facial Recognition

- Teach Machine to recognise your emotions
- How a Facial Recognition Works
- Face Filter (Add Cartoon Eyes To Your Face)