

ARTIFICIAL INTELLIGENCE FOR ENGINEERING

UNIT-1: An Overview of AI

LECTURE-3

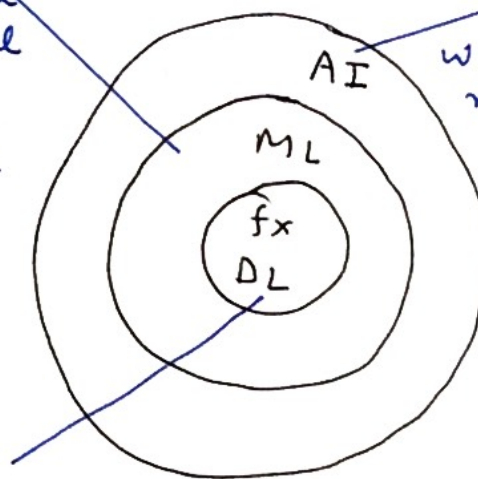
Content: What should all engineers know about AI.

Lecture Outcome: students will be able to know scope of AI.

Siri is common example of AI, ML and DL

Difference between AI, ML and DL

Subset of AI technique which use statistical methods to enable machines to improve with experience.

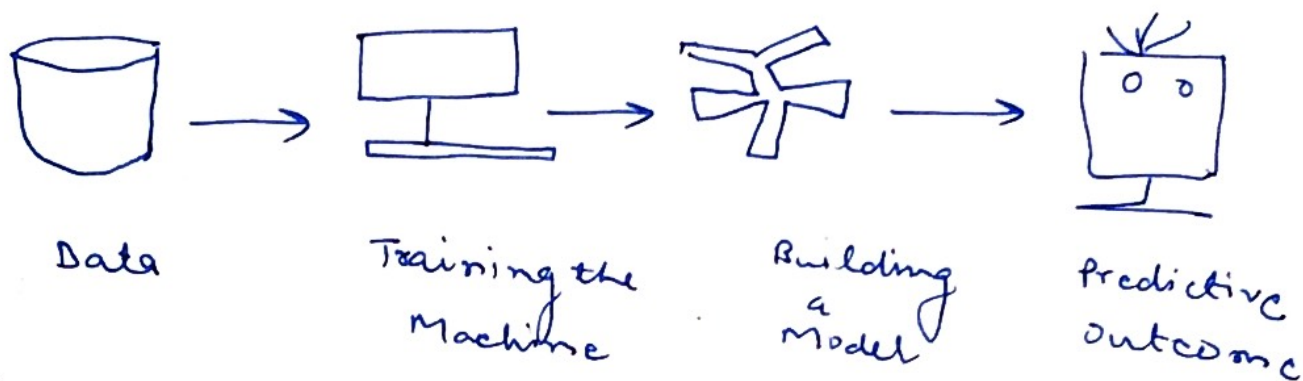


A Technique which enables machines to mimic human behaviour.

Subset of machine learning which makes computation of multilayer neural network feasible.

Introduction to Machine Learning :

Machine learning is a subset of AI which provides machines the ability to learn automatically & improve from experience without being explicitly programmed.



Introduction to Deep Learning :

The idea behind deep learning is to build learning algorithm that mimic the brain.

How DL works : Deep Learning is a form of machine learning that uses a model of computing that is very much inspired by the structure of the brain.

Deep learning is a collection of statistical machine learning techniques used to learn features hierarchies based on the concept of artificial neuron networks.