

# AI Intermediate Curriculum

## 1 Intro to AI

- Human Intelligence Vs Artificial Intelligence
- Can a machine think?
- Can a machine learn?
- How does AI work?
- What is AI?
- AI around us
- AI Domains -Data, Computer vision, NLP

## 2 AI Terminologies

- What is Data?
- Data Features, Training Data, Testing Data
- Types of ML
- Modelling – Supervised, Unsupervised, Reinforcement learning
- Supervised Vs Unsupervised vs Reinforcement learning
- Applications of ML
- Artificial Neural Networks
- Deep Learning
- Applications of DL
- ML Vs DL

## 3 AI in our daily life

- Image recognition
- Speech recognition
- Data/Text recognition

## 4 Intro to Python programming

- Basics of Python
- Control statements
- If Then Else
- Loops
- Functions
- List and Dictionaries

## 5 Programming Activities

- Activity 1
- Activity 2
- Activity 3
- Activity 4
- Activity 5
- Project Activity

## 6 Assessments

