



Artificial Intelligence (AI)

Chapter 1 : Introduction to Scratch

- What is Coding?
- What is Scratch?
- Basic Interface of Scratch

Chapter 2 : Common terms used in Scratch

- Various Blocks used in Scratch.
- What is Scripts?
- What is Backdrops?
- What is Stage?
- What is Sprite?

Chapter 3 : Scratch Tasks

- Changing Backdrops
- Changing Sprite
- What is Extension?
- Print HELLO WORLD
- Speaking HELLO WORLD

Chapter 4 : Introduction to AI

- What is AI?
- History of AI

- Types of AI
- Applications of AI in day-to-day life

Chapter 5 : Understanding Data

- What is Data?
- Types of Data
- AI Ethics

Chapter 6 : Relationship between ML and AI

- What is Machine Learning?
- Types of Machine Learning
- Overview of Machine Learning for Kids Website

Chapter 7 : Image Classification

- What is Image Classification?
- How Image Classification works
- Importance of labelling
- Basic Image Classification in Day-to-day Life

Chapter 8 : Image Recognition

- What is Image Recognition?
- How Image Recognition Works
- Basic Image Recognition in Day-to-day Life

Chapter 9 : Text Classification

- What is Natural Language Processing

- How does Natural Language Processing work?
- Examples of Natural Language Processing in day-to-day life

Chapter 10 : Sentiment Analysis

- Introduction to Sentiment Analysis
- Understanding emotions in a text
- Examples of Sentiment Analysis

Chapter 11 : Chatbots

- What is chatbots?
- How does a machine understand text?
- Examples of chatbots in day-to-day life

Chapter 12 : Game Development using Machine Learning

- Interacting games with Machine Learning
- Examples of Popular ML Games

Sr. No	<u>Live Projects</u> : Artificial Intelligence (AI)
1	Birthday Greeting Card
2	Language Detection
3	Classifying Pokemon Images
4	Recognizing Movie Posters
5	Rock ,Paper, Scissor
6	Digital Assistant
7	Email Spam Detection
8	Hate Word Detection
9	Sorting Characteristics
10	Chat Bot
11	Shoot the Bug
12	Tic Tac Toe