

Play, Learn and Grow

Empowering Kid Knowledge

Class 6





WEB DEVELOPMENT

HTML

Learn the basic building blocks of the web and create an HTML document.

CSS

Learn basic CSS styling

Java Script

Introduction to JavaScript with DOM manipulation

Cloud VS Local

Weighing the pros and cons of Cloud vs Local Storage

Project

Making Birthday Cards



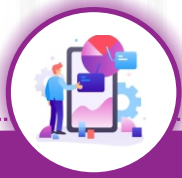
APP DEVELOPMENT

Intro To Mobile Apps

Overview of mobile Apps and its type

Intro To Flutter

Using Flutter as a tool to create apps



DATA SCIENCE

Intro To Data Science

Overview of Data Science and its workflow

Probability & Statistics

Getting our Basics Strong with Probability and Statistics

Python and Fundamental Libraries

Exploring Python and it's fundamental libraries

Machine Learning Libraries

Mastering Machine Learning libraries to assist us in projects

Evaluation Of Model

Evaluation of our machine learning model



C++

Intro To C++

Learning about Input & Output in C++



INTERNET OF THINGS

Intro To IoT And Networking

Understanding IoT Fundamentals

Arduino And Their Programming

Introduction to Arduino and its related concepts

Event Handling

Handling IoT events using practical examples

Basic Logic Gates

Learning Logic Gates (And, OR, XOR Etc)

Workshop

Evaluation of our machine learning model



PYTHON

Getting Started

Basics of Python with environment setup

Get Your Basics Right

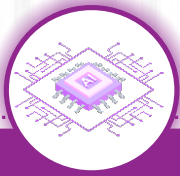
Introducing Python Fundamentals

Intro to OOPs

Understanding OOPs Concepts

Workshop

Using the concepts learnt, we program and learn sorting different items



ARTIFICIAL INTELLIGENCE

Intro To AI & Data

Diving into the field of Artificial Intelligence (AI) and it's related concepts



NETWORKING

Intro To Computer Network

Overview of Computer Networks

Types Of Network

Exploring different types of Networks like WAN, LAN etc

Internet ,Web & Internet of things

Understanding the concepts of Internet, Web and IoT



CYBER SECURITY

Intro To Cyber Security

Overviewing the concepts in Cyber Security

Firewall

Learning the know-how of Firewall

Types Of Vulnerability and Prevention

Grasping the essential concepts of Vulnerability and Prevention

Computer Protection Basics

Getting our basics right to protect our computers from unwanted attacks



GAME DEVELOPMENT

Intro To Game Development

Understanding Game Development Concepts

Basic Games In Scratch

Using the concepts learnt in Scratch language, to make a game

Game Design Concepts

Using Scratch- Basic to Advanced concepts

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