

Play, Learn and Grow

Empowering Kid Knowledge

Class 9





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

Workshop

E-Commerce Website



APP DEVELOPMENT

Intro To Apps

Learning about different types of Apps

Flutter

Learning about Flutter to create Apps



INTERNET OF THINGS

Intro To IoT And Networking

Understanding IoT Fundamentals

Event Handling

Handling IoT events using practical examples

Arduino And Their Programming

Introduction to Arduino and its related concepts

Raspberry Pi

Introducing Raspberry Pi to assist us in doing hands-on projects in IoT



PYTHON

Getting Started

Basics of Python with environment setup

Get Your Basics Right

Introducing Python Fundamentals

Data Types

Dealing with Data in Python

Object Oriented Programming

Understanding OOPs Concepts



INTERNET OF THINGS

Basic Logic Gates

Learning Logic Gates
(AND, OR, XOR etc)

Integrated Circuits

Understanding Microprocessors
and Microcontrollers in depth

Workshop

Alarm clock



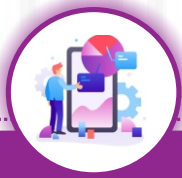
PYTHON

Algorithms

Understanding Algorithms

Workshop

Python Workshop



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

Feature Engineering

Understanding the process of extracting features from data



C++

Intro To C++

Learning about C++

Operators & Expression

Understanding the concepts of Operators to assist in our journey of learning C++

Flow Of Chart

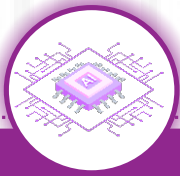
Understanding concepts of Flow of Execution of C++ code

LOOPS

Learning about repeated execution of a block of code

Arrays and strings

Exploring Arrays and strings to enhance our C++ code



ARTIFICIAL INTELLIGENCE

Intro To AI & Data

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

Miscellaneous

Discovering Topics like LP, Deep Learning etc. to enhance our understanding about AI



NETWORKING

Intro To Computer Network

Overview of Computer Networks

Networking

Learning about network types, devices, topologies and protocols

Web Services

Exploring Different Web Services to learn in depth about Web

Internet ,Web & Internet of things

Understanding the concepts of Internet, Web and IoT

Network Security Concepts

Learning about Network Security to secure the networks



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



GAME DEVELOPMENT

Intro To Game Development

Understanding Game Development Concepts

Game Design Concepts

Using Scratch- Basic to Advanced concepts

Intalling Unity

Using Unity for Game Development

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