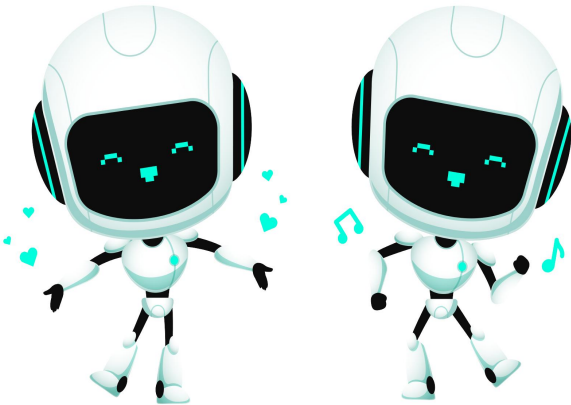
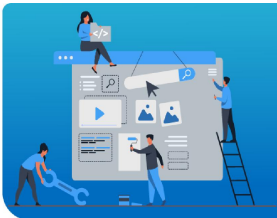


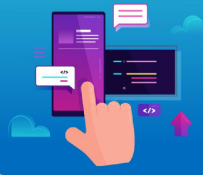
Coding Jr

ADVANCED- 1 CURRICULUM





WEB DEVELOPMENT



APP DEVELOPMENT

HTML

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



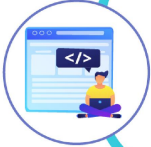
INTRO TO APP

Learning about different types of Apps



CSS

Learn basic CSS styling



FLUTTER

Learning about Flutter to create Apps



JAVASCRIPT

Introduction to JavaScript with DOM manipulation



CLOUD VS LOCAL

]Weighing the pros and cons of Cloud vs Local Storage



WORKSHOP

E-Commerce Website





DATA SCIENCE



C++



INTRO TO DATA SCIENCE

Overview of Data Science and its workflow

INTRO TO C++

Learning about C++



PROBABILITY & STATISTICS

Getting our Basics Strong with Probability and Statistics

OPERATORS & EXPRESSION

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

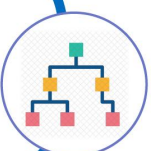


PYTHON AND FUNDAMENTAL LIBRARIES

Exploring Python and it's fundamental libraries

FLOW OF CHART

Understanding concepts of Flow of Execution of C++ code



MACHINE LEARNING LIBRARIES

Mastering Machine Learning libraries to assist us in projects

LOOPS

Learning about repeated execution of a block of code



FEATURE ENGINEERING

Understanding the process of extracting features from data

ARRAY & STRINGS

Exploring Arrays and strings to enhance our C++ code





INTERNET OF THINGS



PYTHON

INTRO TO IoT AND NETWORKING

Understanding IoT fundamentals



GETTING STARTED

Basics of Python with environment setup



EVENT HANDLING

Handling IOT events using practical examples



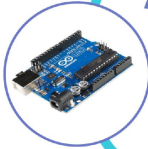
GET YOUR BASICS RIGHT

Introducing Python Fundamentals



ARDUINO AND THEIR PROGRAMMING

Introduction to Arduino and its related concepts



DATA TYPES

Dealing with Data in Python



RASPBERRY PI

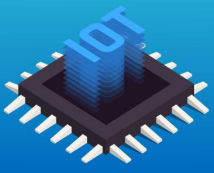
Introducing Raspberry Pi to assist us in doing hands-on projects in IoT



OBJECTED ORIENTED PROGRAMMING

Understanding OOPs Concepts

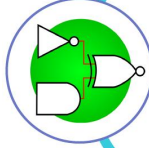




INTERNET OF THINGS



PYTHON

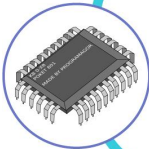


BASIC LOGIC GATES

Learning Logic Gates (AND, OR, XOR etc)

ALGORITHMS

Understanding Algorithms



INTEGRATED CIRCUITS

Understanding Microprocessors and Microcontrollers in depth

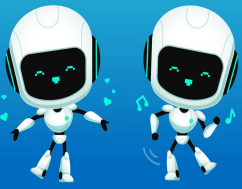
WORKSHOP

Python Workshop



WORKSHOP

Smart Home Automation



ARTIFICIAL INTELLIGENCE



NETWORKING

INTRO TO AI & DATA

Diving into the field of Artificial Intelligence (AI) and its related concepts



INTRO TO COMPUTER NETWORK

Overview of Computer Networks



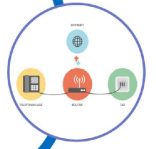
MISCELLANEOUS

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



NETWORKING

Learning about network types, devices, topologies and protocols



WEB SERVICES

Exploring Different Web Services to learn in depth about Web



INTERNET, WEB AND INTERNET OF THINGS

Understanding the concepts of Internet, Web and IoT



NETWORK SECURITY CONCEPTS

Learning about Network Security to secure the networks





CYBER SECURITY



GAME DEVELOPMENT



INTRO TO CYBER SECURITY

Overviewing the concepts in Cyber Security



INTRO TO GAME DEVELOPMENT

Understanding Game Development Concepts



FIREWALL

Learning the know-how of Firewall



GAME DESIGN CONCEPTS

Using Scratch- Basic to Advanced concepts



TYPES OF VULNERABILITY AND PREVENTION

Grasping the essential concepts of Vulnerability and Prevention



INSTALLING UNITY

Using Unity for Game Development