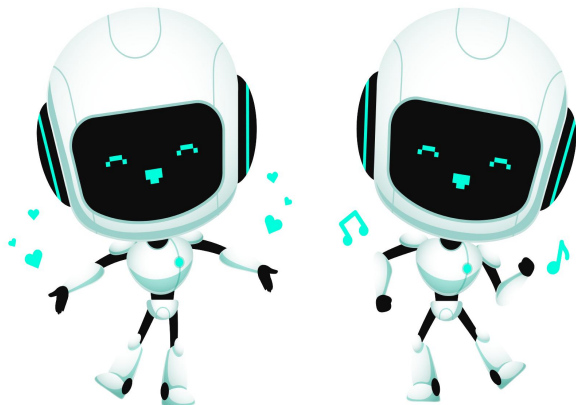
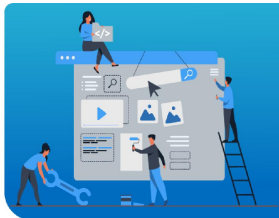


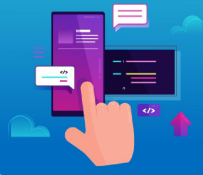
Coding Jr

INTERMEDIATE - 1 CURRICULUM





WEB DEVELOPMENT



APP DEVELOPMENT

HTML

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



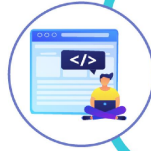
INTRO TO WEB APPS

Overview of Web Apps and its types



CSS

Learn basic CSS styling



INTRO TO FLUTTER

Using Flutter as a tool to create apps



JAVASCRIPT

Introduction to JavaScript with DOM manipulation



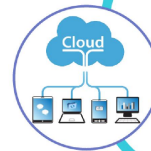
INTRODUCTION TO BASIC WIDGETS

Widgets for making an APP



CLOUD VS LOCAL

Weighing the pros and cons of Cloud vs Local Storage



PROJECT

Learning to code a basic webpage to showcase our projects





DATA SCIENCE



C++

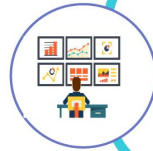


INTRO TO DATA SCIENCE

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++

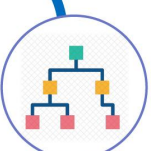


PYTHON AND FUNDAMENTAL LIBRARIES

Exploring Python and its 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



FEATURE ENGINEERING

Understanding the process of extracting features from data



DATA SCIENCE



MACHINE LEARNING MODELS

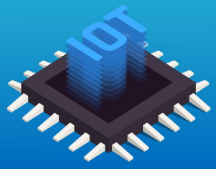


Learning about different Machine Learning Models to apply into practical use in real life situations

EVALUATION OF MODEL



Evaluation of our machine learning model



INTERNET OF THINGS



PYTHON

INTRO TO IoT AND NETWORKING

Understanding IoT fundamentals



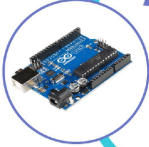
GETTING STARTED

Basics of Python with environment setup



ARDUINO AND THEIR PROGRAMMING

Introduction to Arduino and its related concepts



GET YOUR BASICS RIGHT

Introducing Python Fundamentals



EVENT HANDLING

Handling IoT events using practical examples



INTRO TO OOPs

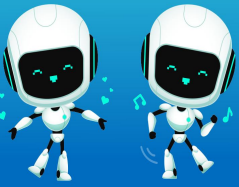
Understanding OOPs Concepts



WORKSHOP

Bluetooth car workshop





ARTIFICIAL INTELLIGENCE



NETWORKING

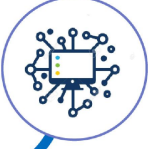
INTRO TO AI & DATA

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



INTRO TO COMPUTER NETWORK

Overview of Computer Networks



TYPES OF NETWORKS

Exploring different types of Networks like WAN, LAN etc



INTERNET & IoT

Learning about the Internet and Internet of Things to enhance our knowledge





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



BASIC GAMES IN SCRATCH

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



TYPES OF VULNERABILITY AND PREVENTION

Grasping the essential concepts of Vulnerability and Prevention



GAME DESIGN CONCEPTS

Using Scratch- Basic to Advanced concepts



COMPUTER PROTECTION BASICS

Getting our basics right to protect our computers from unwanted attacks