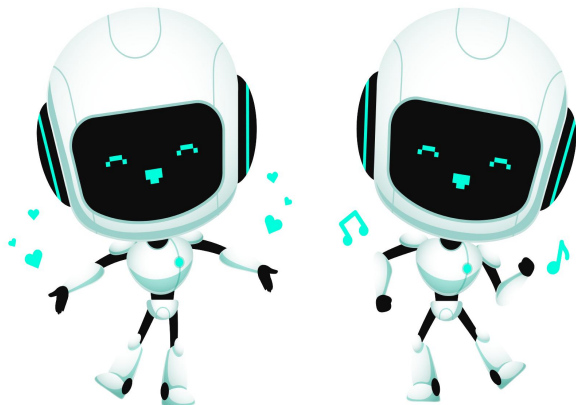
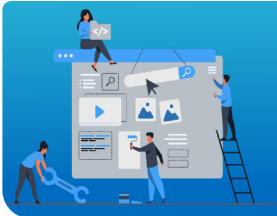


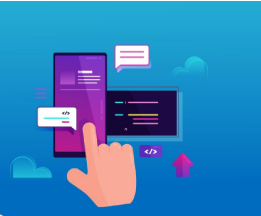
# Coding Jr

## INTERMEDIATE - 2 CURRICULUM





# WEB DEVELOPMENT



# APP DEVELOPMENT

## HTML

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



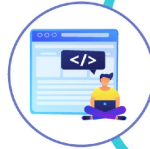
## INTRO TO WEB APPS

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 & LAYOUT

Widgets for making an APP



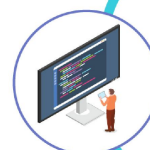
## CLOUD VS LOCAL

Weighing the pros and cons of Cloud vs Local Storage



## WORKSHOP

Project Showcase





# DATA SCIENCE



# C++

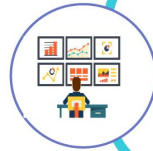


## INTRO TO DATA SCIENCE

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++

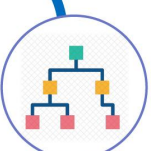


## PYTHON AND FUNDAMENTAL LIBRARIES

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

## LOOPS

Learning about repeated execution of a block of code



## FEATURE ENGINEERING

Understanding the process of extracting features from data



# DATA SCIENCE



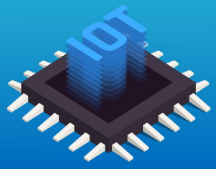
## TYPES OF LEARNING IN MACHINE LEARNING

Algorithms in Machine Learning



## 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



## MICROPROCESSORS & COMPUTER

Learning about Microprocessors to enhance our IoT knowledge



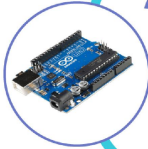
## GET YOUR BASICS RIGHT

Introducing Python Fundamentals



## ARDUINO AND THEIR PROGRAMMING

Introduction to Arduino and its related concepts



## INTRO TO OOPs

Understanding OOPs Concepts



## EVENT HANDLING

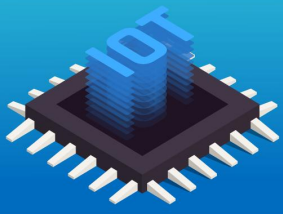
Handling IoT events using practical examples



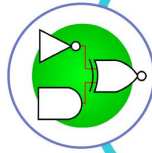
## ELECTRICAL & ELECTRONIC DEVICES

Expanding our knowledge to everyday electrical devices and its applications



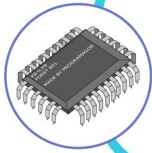


# INTERNET OF THINGS



## BASIC LOGIC GATES

Learning Logic Gates (AND, OR, XOR etc)



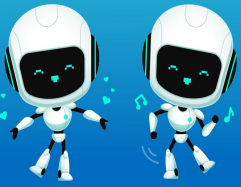
## INTEGRATED CIRCUITS

Understanding Microprocessors and Microcontrollers in depth



## WORKSHOP

Alarm clock



# ARTIFICIAL INTELLIGENCE



# NETWORKING

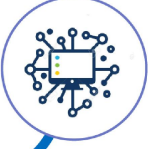
## INTRO TO AI & DATA

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



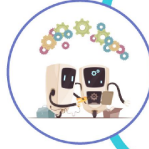
## INTRO TO COMPUTER NETWORK

Overview of Computer Networks



## INTRO TO AI DOMAINS

Expanding our knowledge to everyday electrical devices and its applications



## TYPES OF NETWORKS

Exploring different types of Networks like WAN, LAN etc



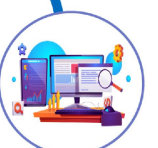
## CASE STUDY

Atlas Boston Robotics



## WEB SERVICES

Exploring Different Web Services to learn in depth about Web





## 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



### COMPUTER PROTECTION BASICS

Getting our basics right to protect our computers from unwanted attacks