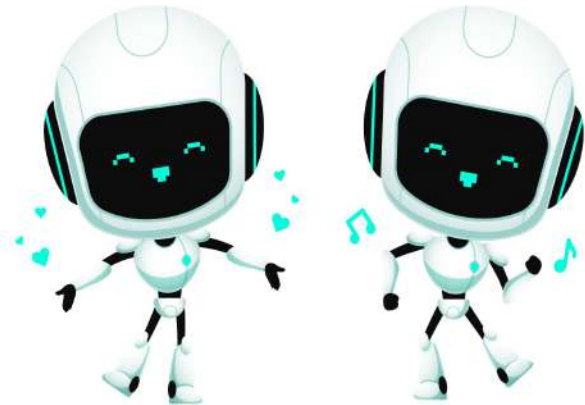


Coding Jr

Class - 8





WEB DEVELOPMENT

HTML

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



CSS

Learn basic CSS styling



JAVASCRIPT

Introduction to JavaScript with DOM manipulation



CLOUD VS LOCAL

Weighing the pros and cons of Cloud vs Local Storage



WORKSHOP

Project Showcase



APP DEVELOPMENT

INTRO TO WEB APPS

Overview of Web Apps and its types



INTRO TO FLUTTER

Using Flutter as a tool to create apps



INTRODUCTION TO BASIC WIDGETS & LAYOUT

Widgets for making an APP





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++

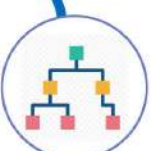


PYTHON AND FUNDAMENTAL LIBRARIES

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

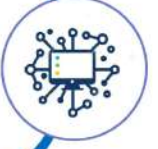
INTRO TO AI & DATA

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