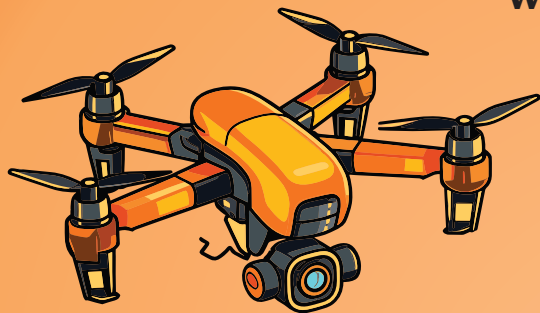


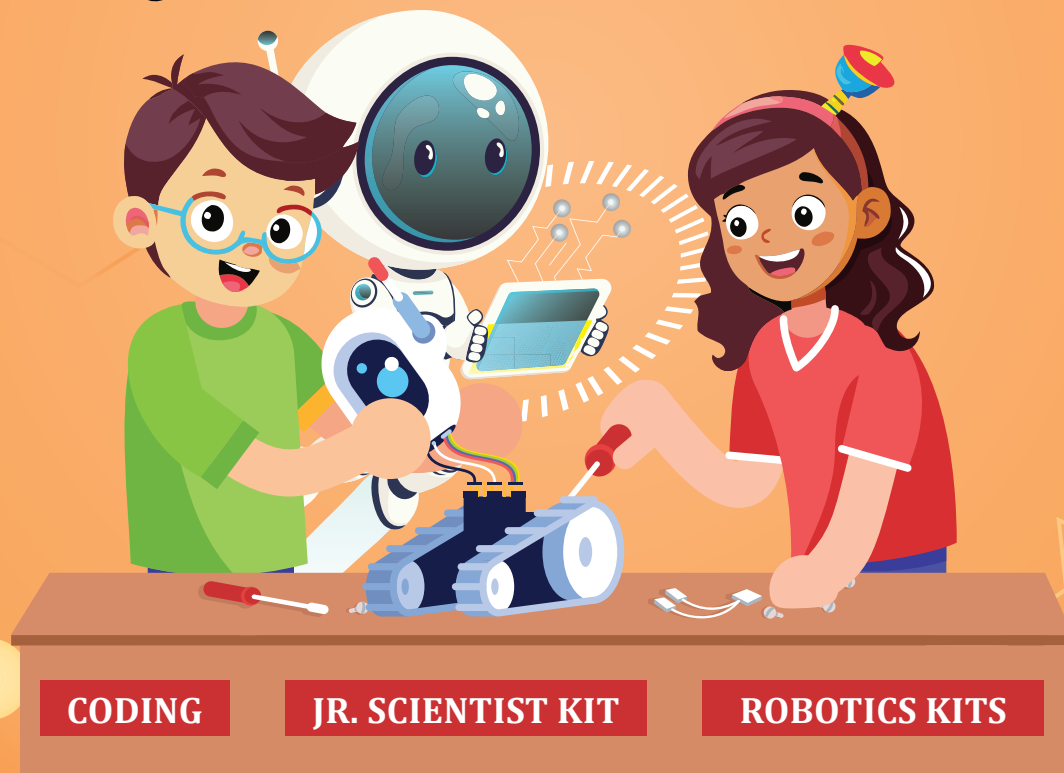
Comprehensive STEM & Robotics Solution with AI Concepts



Curriculum mapped with United Nations'



**SUSTAINABLE
DEVELOPMENT GOALS**



200+

PROJECTS

Unlimited Innovation

Edusoft Robotix Pvt. Ltd. is a unit of Edusoft ITS Pvt. Ltd. (21 years old IT Education & Publishing Co.)

Edusoft has been awarded 5 years in a row since 2021 for its IT, AI and G.K. books.

Edusoft Robotix Program Details

The program covers following modules class-wise:



Periods
30

CLASS: 3 & 4

- Coding basics
- STEM Learning
- Block Code-based Devices Control



Periods
36

CLASS: 7 & 8

- Text-based Arduino C++ Coding Basics
- Advanced Circuits
- Advanced Prototyping with Microcontroller

CLASS: 5 & 6

Periods
36

- Coding basics with MS MakeCode
- Circuit Simulation
- Prototyping with Microcontroller



Explore > Experiment > Create Methodology



Explore



Create



Experiment

- Each session introduces to the student with the concept through storytelling technique.
- This is followed by practical experimentation by the students to establish evidence of the learnt concept.
- Finally, students work on a short challenge and create the solution under the facilitation by the teacher.

Jr. Scientist Kit

Magic Board

Arduino
Prototyping Kit

Programmable
Car Kit

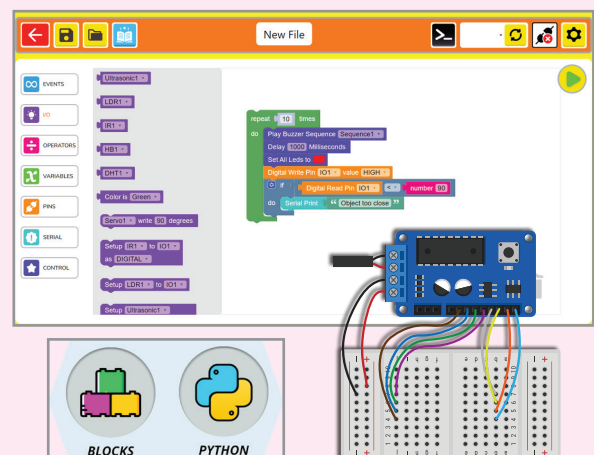
Block Coding
Dashboard

Text Coding

Circuit
Simulator

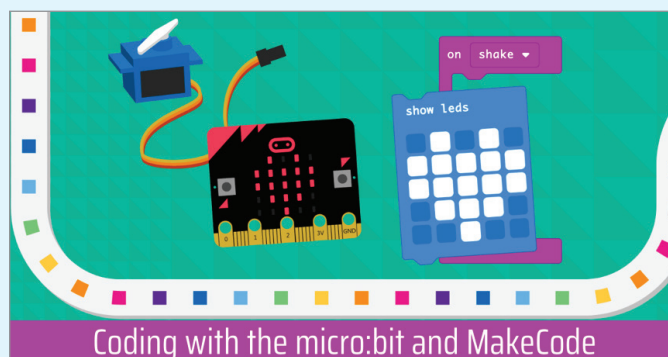
Arduino IDE

AI Concepts



Program Features

- Well-structured curriculum books.
- Robotics Kits with the course material
- Teachers' Training
- Learning Videos
- Video-based courses with E-Certification
- Beyond the Book Advanced Projects
- 200+ Project Ideas
- 20-30 activities per class per year.

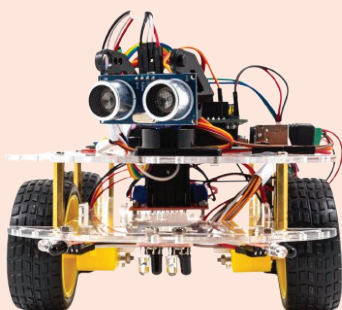
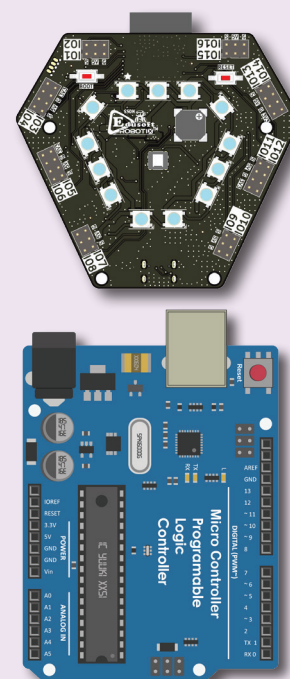


Coding with the micro:bit and MakeCode

Online Teachers' Enabler Program

Teachers' enabler program is aimed at training the teachers in coding and robotics concepts, software and application of basic electronics by providing them necessary resources and support to conduct the robotics course in their schools efficiently.

- A methodical approach to enable the teachers to confidently execute the program for students.
- A step-wise approach to take the teachers through all the concepts, equipment and software for effective teaching.
- Demonstrate to the teachers how applications of the concepts are conceived and implemented.
- Ensure that teachers create their own problem-focused practical solutions to inspire students.
- During the exit of the training session, teacher shall be equipped with the necessary knowledge, skill and approach to train the students.



Post Training Support

- Regular knowledge-sharing through demo videos.
- Additional online/offline short sessions for any new concepts.
- Expert advice on projects.
- Contests and webinars.

sdgs.un.org/goals

The 2030 Agenda for Sustainable Development, adopted by all United Nations Member States in 2015, provides a shared blueprint for peace and prosperity for people and the planet, now and into the future. At its heart are the 17 Sustainable Development Goals (SDGs). They recognize that ending poverty and other deprivations must go hand-in-hand with strategies that improve health and education, reduce inequality, and spur economic growth – all while tackling climate change and working to preserve our oceans and forests.



Sample SDGs Mappings

SDG GOAL 2: Zero Hunger

1. RFID-based grain distribution tracker
2. Smart irrigation app control system

SDG GOAL 4: Quality Education

1. Augmented STEM models using Arduino
2. DIY microscope using webcam and lens

SDG GOAL 13: Climate Action

1. IoT-enabled climate data logger
2. Soil erosion detection prototype

SDG GOAL 3: Good Health and Well-Being

1. Pulse rate monitoring device for elderly
2. IoT-based air quality monitoring system

SDG GOAL 6: Clean Water and Sanitation

1. Automated water quality analyzer (pH, turbidity)
2. Smart irrigation with soil moisture sensors

SDG GOAL 7: Affordable and Clean Energy

1. Energy consumption meter for household appliances
2. Smart home lighting with motion detection

SDG GOAL 11: Sustainable Cities and Communities

1. Earthquake alert using accelerometers
2. Waste segregation bot using color sensors

Impact Area	Aligned SDG Goals	Example Activity
Global Awareness	6, 7, 11, 13	Smart energy-saving home models
Problem-Solving & Innovation	9	IoT-based flood alert system
Critical Thinking & Interdisciplinarity	4	Build a soil moisture sensor with data analysis
Future Skills & Career Readiness	8, 12	Coding smart wearables for health monitoring
Social Skills & Responsibility	10, 17	Group robotics project on urban waste segregation

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