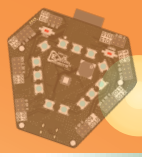
Edusoft ROBOTIX™



Democratizing STEM Education for Bharat

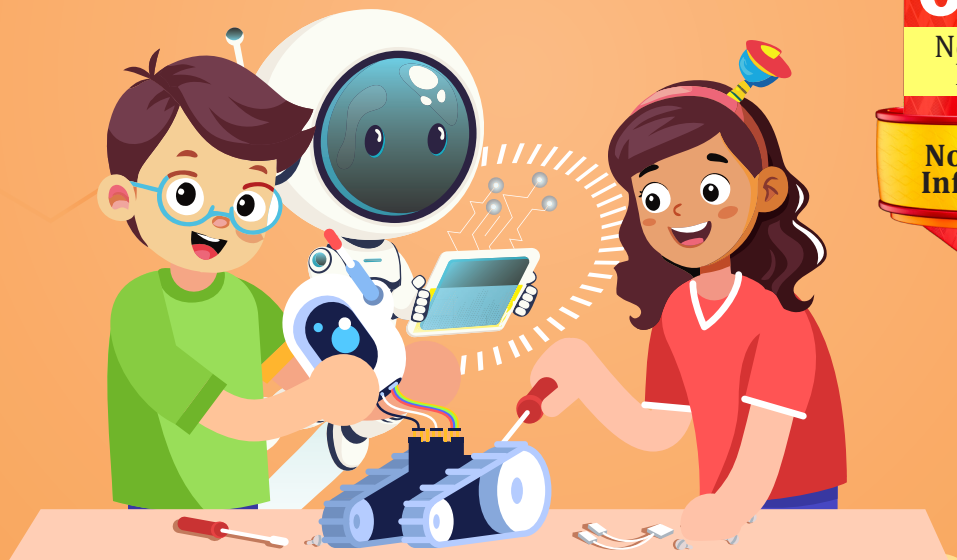
Robotics Curriculum for Schools *with Artificial Intelligence*

Curriculum mapped with United Nations' SUSTAINABLE DEVELOPMENT GOALS

0 Investment

No Additional Manpower

No Additional Infrastructure



CODING **JR. SCIENTIST KIT** **ROBOTICS KITS**

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:

CLASS: 3 & 4

Periods **30**

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

Pages	Price
96	628.00

CLASS: 5 & 6

Periods **36**

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

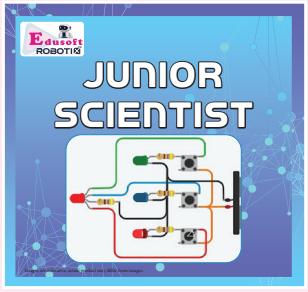
Pages	Price
112	648.00

CLASS: 7 & 8

Periods **36**

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

Pages	Price
128	668.00

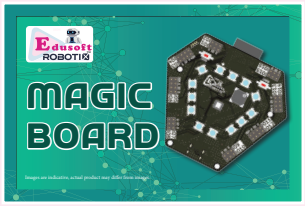


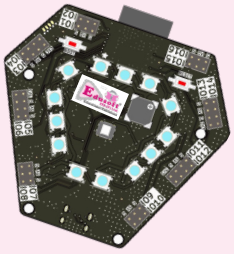
Junior Scientist Kit

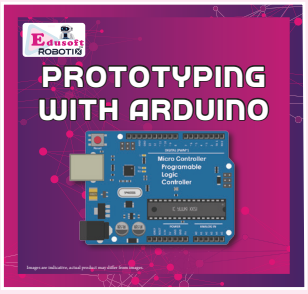
A special kit for young ones to explore the basic concepts of electricity.

Magic Board

Program devices with block code and Python

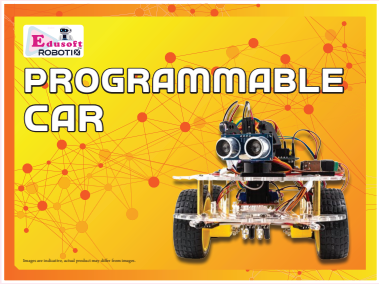






Prototyping with Arduino

Develop automated solutions by coding devices.



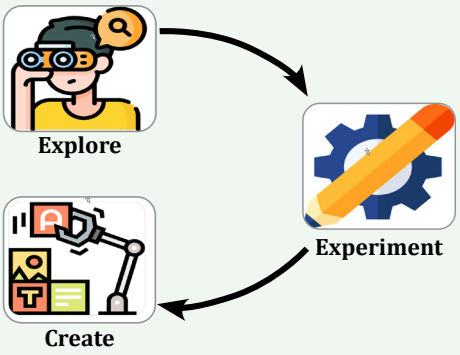
Programmable Car Kit

Create multi-functional intelligent car

Features & Deliverables

- STEM Education Kits – Junior Scientist, Magic Board, Prototyping Kit, and Programable Car
- Detailed, structured curriculum mapped to Sustainability Development Goals
- Fully illustrated, coloured textbooks
- Additional module for practical artificial intelligence
- Teachers' Training and post training online support
- 35-40 activities per class per year
- Learning videos for each topic
- Advanced projects beyond the book
- 200+ Project Ideas mapped to UN's SDG's
- Video-based courses in LMS with verifiable E-certificates
- Running code resources for activities
- Quizzes, contests, and webinars
- Free Coding Dashboard

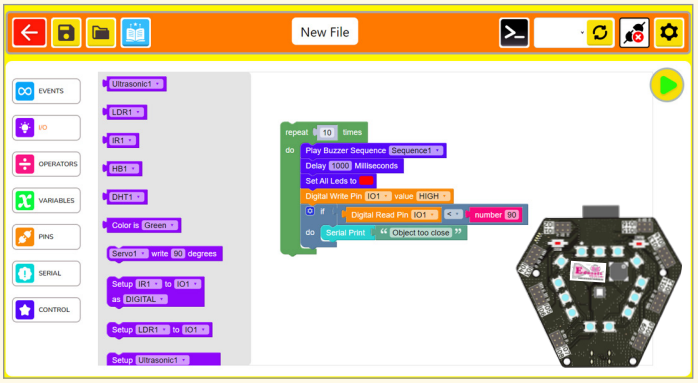
Explore > Experiment > Create Methodology

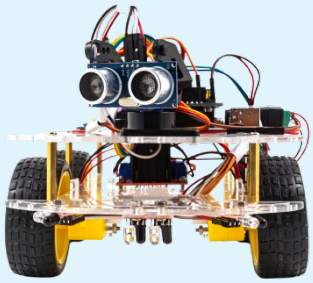


- Each session introduces to the student with the concept through storytelling technique.
- This is followed by practical experimentation by the students to establish evidence of the learnt concept.
- Finally, students work on a short challenge and create the solution under the facilitation by the teacher.

Coding and Design Platforms

- ScratchJr
- Scratch
- Microsoft MakeCode for Microbit
- Tinkercad
- Magic Board Coding Dashboard
- Arduino C Editor (IDE)





Online Support

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

0 Investment

No Additional Manpower

No Additional Infrastructure

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

Edusoft Robotix Pvt. Ltd.

Ph.: +91-11-27043431, 46232416, +91-9354138343
Website: www.edusoftrobotix.com, Email: info@eduitspl.com