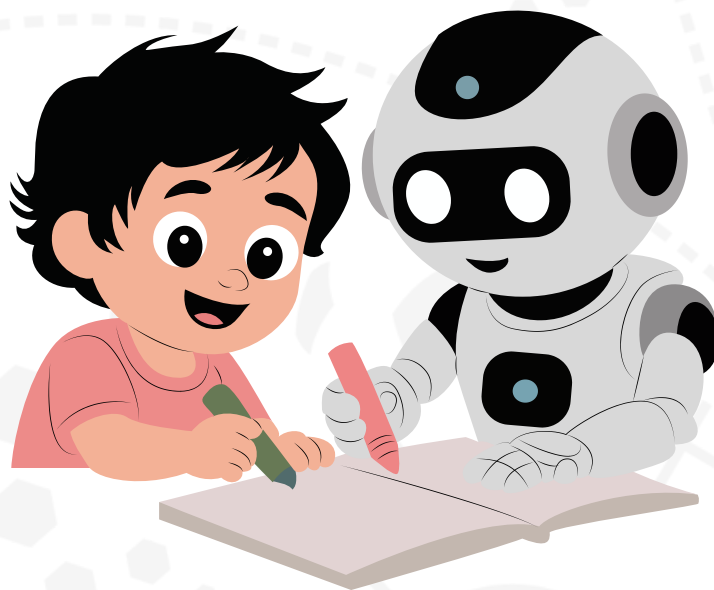


**UPTREE CONSULTANCY SERVICES  
PRIVATE LIMITED**

# ROBOTICS & AI LAB



Hands-On Learning  
Experience



Boost  
Creativity



Improves Critical  
Thinking



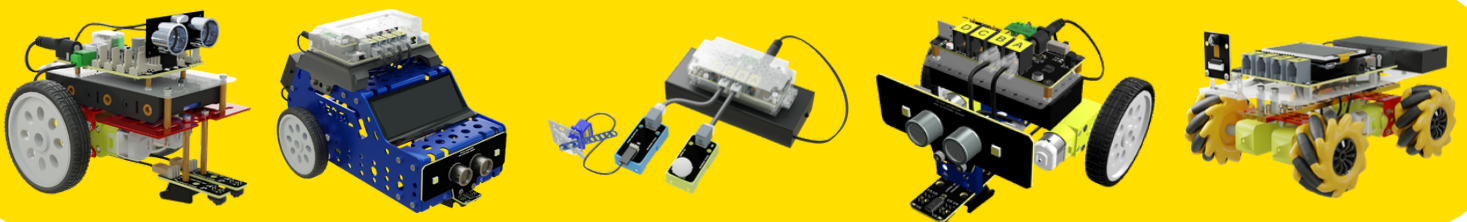
Coding Made  
Easy



Future-Ready  
Skill



Confidence  
Builder



f @ i n @ x v  
@uptreeofficial

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## INTRODUCTION

At Uptree, we are committed to transforming robotics education with cutting-edge, technology-driven robotic kits designed for learners of all age groups. Our mission is to empower students with practical skills in programming, electronics, and mechanical engineering through engaging, hands-on experiences. By bridging innovation with education, we prepare the next generation to thrive in a technology-driven future.

**Shaping tomorrow's innovators through hands-on robotics education.**

## WHAT WE OFFER

At Uptree, we provide a diverse range of robotics kits thoughtfully designed to suit different educational levels. From foundational kits for beginners to advanced systems for higher education, our solutions are tailored to help every learner progress step by step.

Each kit is carefully crafted to introduce students to key concepts in programming, electronics, and mechanical engineering, while fostering creativity, problem-solving, and innovation. Uptree robotics kits empower learners to move from basic understanding to real-world applications with confidence.

## UPTREE AI & ROBOTICS EDUCATION

At Uptree, we design innovative robotics kits that make learning engaging, practical, and future-ready. Each kit is carefully developed to introduce students to programming, electronics, and engineering concepts through hands-on projects. Our range of kits caters to learners of all levels, helping them explore, create, and innovate with technology.

## Our Robotics Kits:

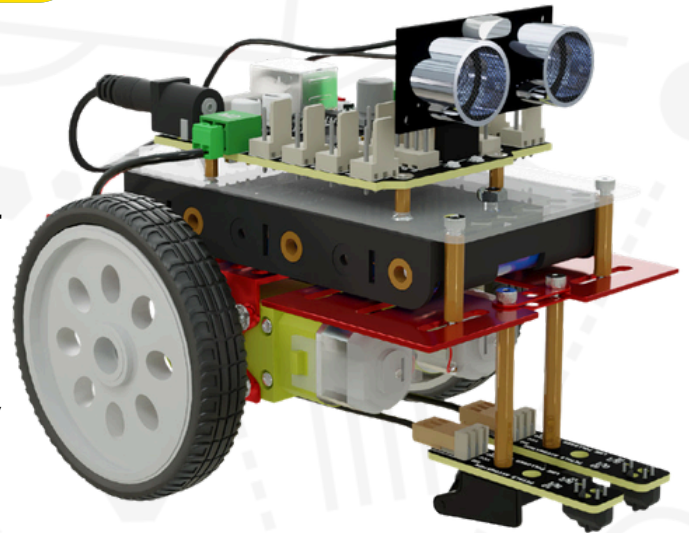
- **Mars Rover Educational Kit**
- **3 in 1 Bot Kit**
- **IoT Learning Kit**
- **Smart Home Inventor Pro Robotic Kit**
- **AI & ML Learning Kit**

Every Uptree Robotics Kit combines components, content, and support to make robotics education simple and effective.



## MARS ROVER EDUCATIONAL KIT

Embark on a journey of discovery with the Mars Rover Educational Kit, inspired by real Mars exploration. From classrooms to homes, students can design, build, and program their own rover while experiencing the thrill of space science. This kit sparks curiosity, strengthens STEM skills, and empowers learners to explore the wonders of technology and the universe.



### Included in the Kit:

- Main board (Arduino)
- Line following sensor
- 3 pin-RMC Cable
- USB Cable
- Stud M4\*20
- Sound sensor
- Aluminium chassis
- TT Motor
- Screw M3\*8
- Stud M4\*30
- Screw M3\*25
- Single LED Green
- Linkage 0208-24
- Ultrasonic sensor
- Screw M4\*8
- Stud M3\*10
- Single led red
- Linkage 0208-88
- 2 in 1 screw driver
- Screw M4\*20
- Stud M3\*5
- Single led yellow
- Bracket 3\*3
- 6 AA battery holder
- Nut M3
- M3/M4 spanner
- Passive buzzer
- TT Motor bracket
- Plastic caster
- Nut M4
- 2 mm hex key
- Button module
- Wheel
- Acrylic bracket
- Locknut m3
- 3mm hex key

## Projects:

- **Basic Programming**
- **Little Elephant Fruit Piano**
- **Bats Wars Game Ultrasonic Piano**
- **Speed Challenge**
- **Flying Bird**
- **Day and Night**
- **Follow Traffic Rules**
- **Height Measurement**
- **Learn about Mars – Make a Rover**
- **Follow Me**
- **Obedient Mars Rover**
- **Anti - Collision Mars Rover**
- **Follow Light**
- **If We can Play Music on Mars**
- **Do you know Breathing Light**
- **Traffic Lights of Mars Rover**
- **Obstacle Avoidance**
- **Swing to Preventing Quick Sand**
- **Line Following (Model A)**
- **Line Following (Model B)**
- **One Orbital Obstacle Avoidance**
- **Mars Rover Transport Work**
- **Multifunctional Mars Rover Car Robot**
- **Traffic Lights of Mars Rover.**

Mars rover kit comes with a total of 24 projects. Each individual project is designed to be completed within a duration of approximately 40 to 60 minutes.

Mars Rover Educational Robotic kit, is the concept of learning on real-time sensors and electronic components based on Mars Exploration Concepts, where students can able to assemble the kit and programme it to see the output of real-time multiple sensor-based projects.

## 3 IN 1 BOT KIT

3 in 1 Bot Kit opens the door to the exciting world of autonomous robotics. With this versatile kit, learners explore the fundamentals of self-driving technology, sensor integration, and intelligent decision-making. Step by step, students design, build, and program three unique robot models, gaining practical skills in robotics and programming while experiencing the thrill of creating their own smart autonomous vehicles.



### Included in the Kit:

- Main board
- Light sensor
- Battery beam
- Screw m4\*6
- 3 hex key
- IR remote
- RGB Ultrasonic sensor
- Sound sensor
- Beam 1030-100 B
- Screw M3\*25
- Right side panel
- Wheel
- Controller board
- Infrared receiver
- TT Motor
- Nut M4
- Left side panel
- Locknut m3
- Led panel module
- RJ 11 Cable
- Plastic caster
- Bluetooth
- 18650 Lithium battery holder
- Screw m3\*8
- Line following sensor
- Usb cable
- 2 in 1 screw driver
- 2 mm hex key
- M3/m4 spanner
- 18650 lithium battery

## Projects:

- Walk Into The World of Robots
- Colourful Neon Lights
- Little Performers
- Robot,run
- Obedient Robotics
- Pin Wall Games
- Dancing Robots
- Flying Elephant Games
- Little Pianist
- The Secret of Sound and Light
- Intelligent Robot
- Petal Bot Line – Following Robot
- My Learning Partner
- Cool LED Matrix
- Petal Bot Robot Challenges.

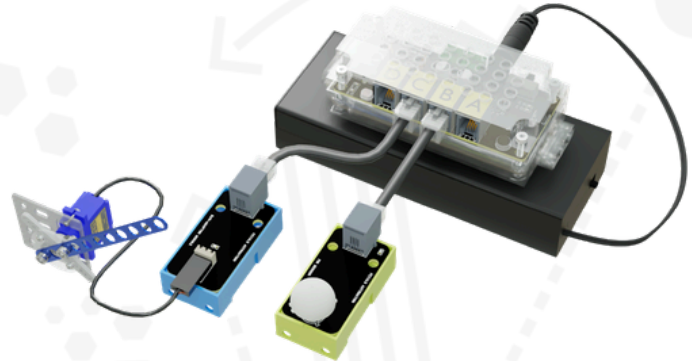
3 in 1 Bot Learning Kit includes 15 exciting projects, each thoughtfully designed to be completed in just 40 to 60 minutes, making learning structured, engaging, and time-efficient.

3 in 1 Bot Kit is specially designed to introduce learners to the concepts of autonomous vehicles. Similar to real-world innovations, such as Tesla's self-driving technologies, students can explore projects like automatic parking systems, self-driving robots, distance measurement, and more. This hands-on kit provides an engaging way to understand intelligent mobility and the future of transportation.



## IOT LEARNING KIT

IoT Educational Kit opens the door to the fascinating world of the Internet of Things (IoT). With this kit, students learn how to connect robots and devices to the internet, collect and analyze data using sensors, and control systems remotely. Through engaging hands-on projects, learners gain practical knowledge of IoT technology while building, connecting, and innovating for the future.



### Included in the Kit:

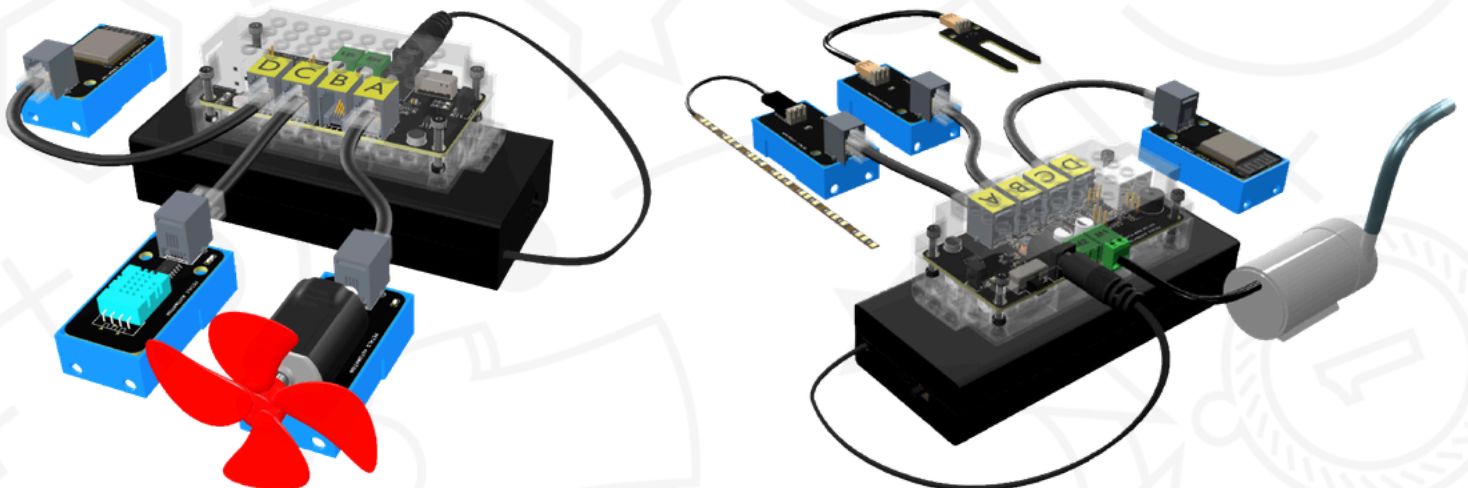
- Main board
- WIFI module
- PIR Sensor
- RJ 11 Cable
- 3mm hex key
- 4-digit display
- TH Sensor
- 4 LED Button
- Water pump with wire
- Linkage-0208-88
- RGB -led strip
- Red LED
- Screw m4\*8
- Nut M4
- 18650 Battery holder
- 9G servo motor pack
- RJ 11 adapter
- Moisture sensor
- Water pipe
- 18650 lithium battery
- 130 DC motor with fan leaf
- Green LED
- 2 in 1 screw driver
- USB Cable
- M3/M4 Spanner

## Projects:

- What is the lot?
- Alarm Clock
- Weather Station
- Security System
- Smart Fan
- IoT With internet (Blynk)
- Smart Gate
- Make A Gateway
- Environmental Monitoring
- App inventor
- App Controlled Light
- Smart Farm
- Comprehensive Creation Project.

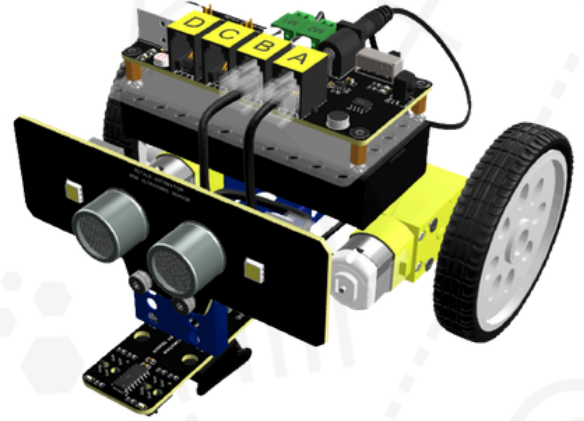
IoT Learning Kit includes 13 engaging projects, each designed to be completed within 40 to 60 minutes, offering students structured, hands-on learning in IoT technology.

IoT Learning Kit introduces students to the exciting concepts of the Internet of Things (IoT). With this kit, learners explore how to develop mobile applications, connect them to the internet, and use them to control real-time sensors. It empowers students to apply their ideas creatively, experimenting with smart solutions and bringing innovation to life.



## SMART HOME EDUCATIONAL ROBOTICS KIT

Smart Home Educational Robotic Pro Kit blends the creativity of robotics with the practicality of home automation. Through engaging hands-on projects, students learn coding and engineering skills while building devices that can control lighting, monitor security, and automate everyday tasks. This innovative kit offers a powerful way to explore STEM education while experiencing the possibilities of modern smart technology.



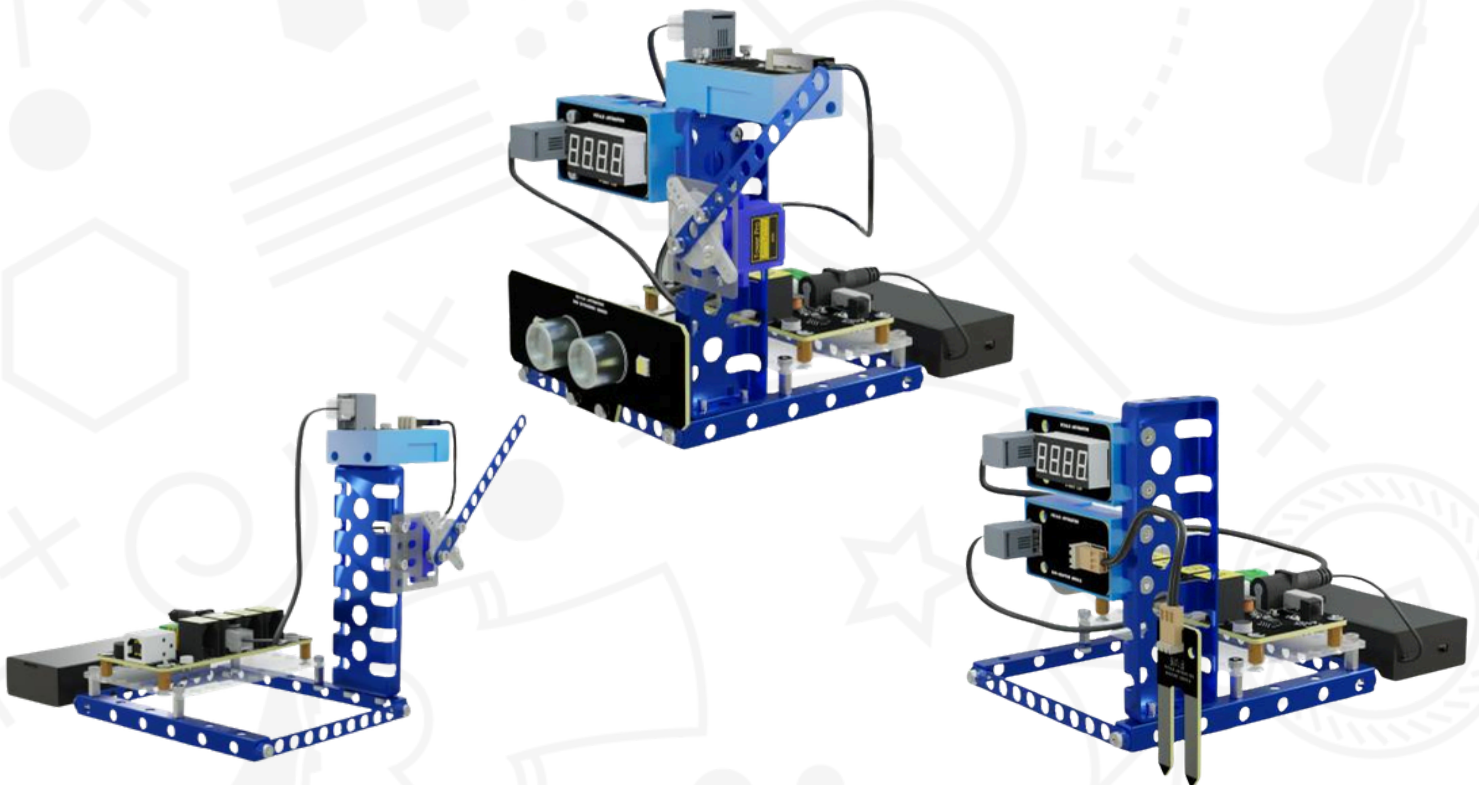
### Included in the Kit:

- Mainboard
- 4 Digit LED Display
- RGB Ultrasonic Sensor
- Touch Sensor
- 130 DC Motor With Fan
- Humidity Sensor
- Single LED Module
- RJ11 Adapter
- 9G Servo Motor Pack
- IR Remote
- Water Sensor
- Line Following Sensor
- PIR Sensor
- Gas Sensor
- Flame Sensor
- 4 LED Button
- Moisture Sensor
- 3P Cable
- Beam 1010-100
- Beam 1030-100
- Linkage 0208-88
- Plate 45
- Bracket 3×3
- Plate 3×4
- Screw M4\*20
- TT Motor With Wire
- Water Pipe
- Screw M4\*8
- Screw M4\*6
- Screw M3\*5
- Screw M4\*16
- Wrench
- Stud M3\*10
- Stud M4\*10
- 2 mm, 3 mm Hex Key
- Screw M3\*25
- Nut M4
- Locknut M3
- Double Side Tape
- Water Pump
- Acrylic Bracket
- 2 in 1 Screw Driver
- 18650 Lithium Battery
- Lithium Battery Holder
- Slide Beam
- RJ11 Cable
- Caster Wheel
- USB Cable
- Beam 1030-68
- Wheel

## Projects:

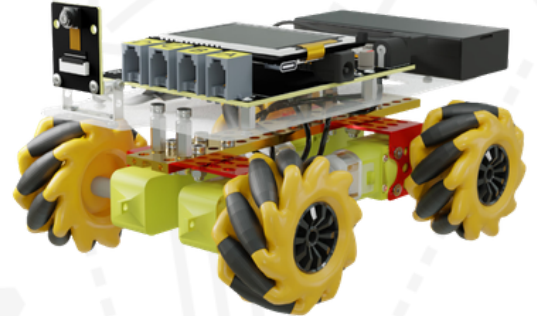
- Gardening Device 1
- Gardening Device 2
- Fire Fighter 1
- Fire Fighter 2
- Moving Robot
- Remote Control Robot
- Robot With Eyes
- Never Get Lost Robot
- Coded Lock 1
- Coded Lock 2
- Going Into The Smart Home
- Flashing Indicators
- Colorful Lights
- Musical Performer
- Master the Colour Matching
- Smart Fan 1
- Smart Fan 2
- Magical Musicians
- Corridor Lamp 1
- Corridor Lamp 2
- Obedient Gate 1
- Obedient Gate 2
- Weather Station 1
- Weather Station 2
- Automatic Parking System 1
- Automatic Parking System 2

smart home educational robotics kit includes 12 engaging projects, each designed to be completed within 40 to 60 minutes, offering students structured, hands-on learning in IoT technology.



## AI-ML EDUCATIONAL ROBOTIC KIT:

AI & ML Educational Robotic Kit empowers learners to explore the world of Artificial Intelligence and Machine Learning through hands-on innovation. With 88 components and 14 exciting projects, students build and program intelligent robots that can see, understand, and make autonomous decisions. Featuring advanced concepts such as computer vision, natural language processing, and machine learning algorithms, this kit provides a practical gateway to mastering AI and ML — preparing students to create solutions that can transform the future.



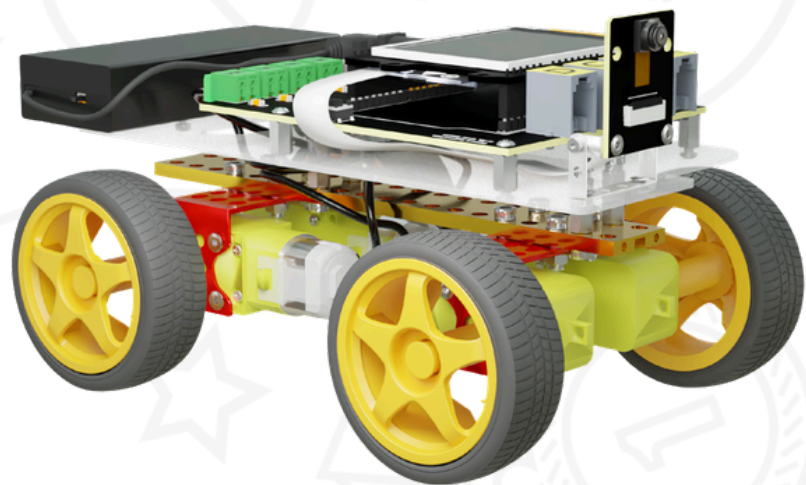
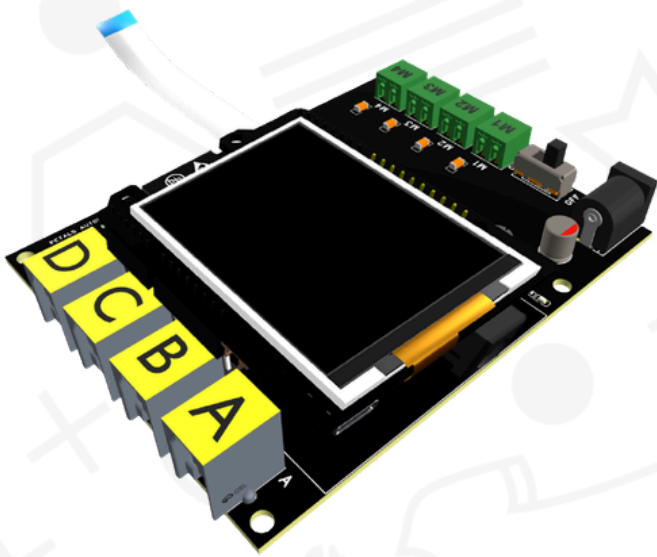
### Included in the Kit:

- Petal AI Mainboard
- Petal base board
- Camera with stand
- Acrylic sheet
- 60mm mechanism wheel
- 65mm rubber wheel
- Side beam 160\*25
- 100 RPM 6v BO Motor
- Type-c cable
- Micro SD Card(4GB)
- Screw m4\*8
- 2IN 1 screw drive
- Screw m3\*8
- M3\*25 screw
- M3 nut
- M4\*15 f-f stud
- 2mm hex key
- 3mm hex key
- M3\*10 f-f stud
- M3\*5 head screw
- 18650\*2 battery holder
- M3/m4 spanner
- Bo motor bracket
- M3 nylon locknut
- M4 nut
- 18650 batteries
- 18650 battery chargers
- Screw m4\*16

## Projects:

- introduction
- LCD Displays
- Application of Camera
- Object Recognition
- Play Audio
- Color Recognition
- QR Code Recognition
- Tag Recognition
- Four Wheel Drive Robot
- Four Wheel Visual Object Tracking
- Mecanum Robot moves In Multiple Direction
- Mecanum Wheel Vision Tracking
- Face tracking
- Visual Patrol

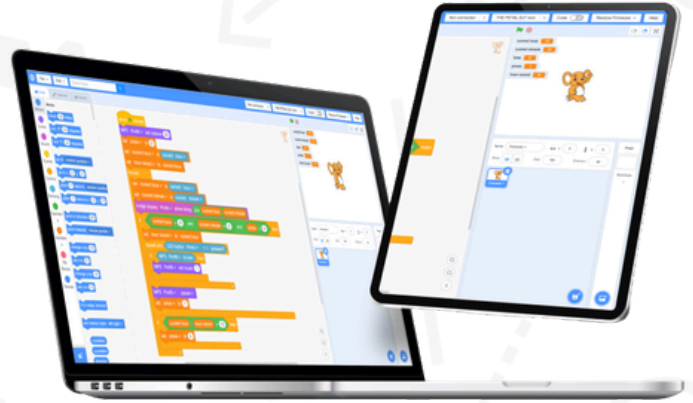
AI & ML Robotic Kit includes 14 structured projects, each designed to be completed within 40 to 60 minutes, making complex AI concepts simple, practical, and engaging for learners.



## SOFTWARE

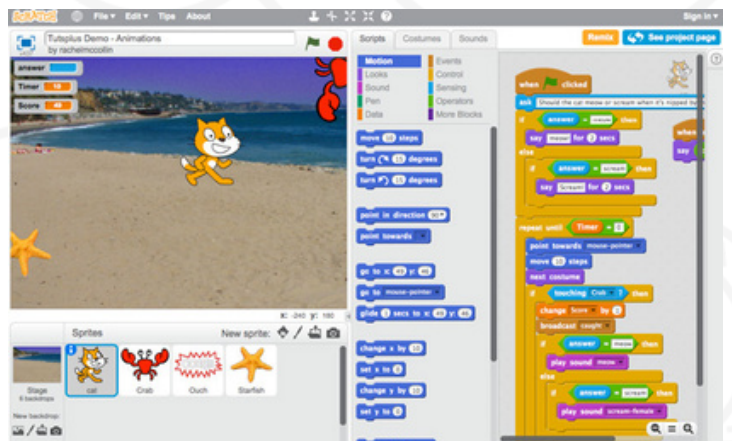
Uptree provides Scratch software as a powerful tool to support STEM learning by fostering creativity and logical thinking. Scratch introduces beginners to programming fundamentals, allowing them to design interactive stories, animations, and games with ease. With its intuitive drag-and-drop interface, it eliminates syntax errors, promotes problem-solving, and encourages innovation.

By offering visual, block-based coding alongside logical structures, Scratch helps learners build a strong foundation in programming while making coding fun and engaging.



## Key Features:

- Manual instructions Assembly Guide.
- Coding Support (Micro Python, Arduino, Block based Scratch coding)
- Hands-on Experiments & Projects
- Curriculum-Aligned Training Programs



## **BENEFITS OF OUR ROBOTIC KITS:**

- **Enhances Problem-Solving & Creativity** – Encourages students to think critically and develop solutions.
- **Hands-On Learning Experience** – Provides practical applications of STEM concepts.
- **industry-Relevant Skills** – Prepares students for careers in technology and engineering.
- **Teacher Training & Support** – includes workshops for educators to effectively integrate robotics into classrooms.

## **IMPLEMENTATION PLAN FOR SCHOOLS:**

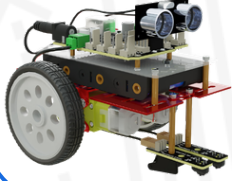


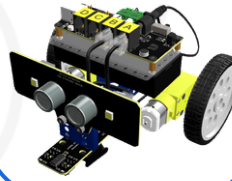

Our robotics kits can be implemented through the following methods:

- **Direct purchase by schools/colleges for their STEM programs.**
- **Establishment of robotics labs within institutions.**
- **Custom training programs for students and educators.**

## **SUPPORT AND TRAINING FOR SCHOOLS:**

- **Complete Orientation Training Part for Facilitators (Remote)**
- **Online Mode 1 to 1 doubt clarification**
- **Customer support for troubleshooting and queries. (Remote)**

## UPTREE AI & ROBOTICS EDUCATIONAL KITS:

SR. NO.	PRODUCT DESCRIPTION	IMAGE	PRICE
1.	<b>MARS ROVER EDUCATIONAL KIT</b> Inclusive Of: Curriculum, Assembly Guide, Video Guidance, Orientation & Training, Support		₹ 11,999
2.	<b>3 IN 1 BOT KIT</b> Inclusive Of: Curriculum, Assembly Guide, Video Guidance, Orientation & Training, Support		₹ 15,999
3.	<b>IOT LEARNING KIT</b> Inclusive Of: Curriculum, Assembly Guide, Video Guidance, Orientation & Training, Support		₹ 12,999
4.	<b>SMART HOME PRO EDUCATIONAL ROBOTICS KIT</b> Inclusive Of: Curriculum, Assembly Guide, Video Guidance, Orientation & Training, Support		₹ 19,999
5.	<b>AI-ML EDUCATIONAL ROBOTIC KIT</b> Inclusive Of: Curriculum, Assembly Guide, Video Guidance, Orientation & Training, Support		₹ 23,999

## Robotics Kits by Grade Level

SR. NO.	PRODUCT	Grade
1.	<b>INTRODUCTION TO SCRATCH PROGRAMMING LANGUAGE</b>	3rd
2.	<b>SMART HOME PRO EDUCATIONAL ROBOTICS KIT</b>	4th
3.	<b>3 IN 1 BOT KIT</b>	5th
4.	<b>MARS ROVER EDUCATIONAL KIT</b>	6th
5.	<b>IOT LEARNING KIT</b>	7th
6.	<b>AI-ML EDUCATIONAL ROBOTIC KIT</b>	8th & 9th

## GENERAL NOTES

1. **Payment Terms:** Full payment (100%) is required in advance at the time of order confirmation.
2. **Delivery Timeline:** Estimated delivery time is 5–15 working days from the date of order confirmation and receipt of payment. Any changes or delays will be communicated in advance. (Delivery time may vary based on the final agreed quantity for supply.)
3. **Warranty:** A one-month warranty is provided, covering only manufacturing defects.
4. **Technical Support:** Assistance is available via email and phone during business hours (Monday to Saturday, 9:30 AM – 4:30 PM).
5. **Intellectual Property Rights:** All intellectual property, including but not limited to the curriculum, training materials, and robotic kits, remains the exclusive property of **Uptree Consultancy Services Private Limited**.
6. **Package Format:** The Curriculum and Assembly Guide will be provided as a soft copy only.
7. **Support for Implementation:** Continuous technical guidance will be provided to educators and trainers to ensure effective classroom or lab integration.
8. **Target Audience:** Ideal for Schools, Colleges, STEM Labs, Robotics Clubs, and Training Institutions.

## Our Happy Clients



**Trusted and Verified Seller on**



**indiamart**

**Justdial**

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