AI ROBOTICS
INNOVATION TECH

BUILDING THE INNOVATORS OF TOMORROW

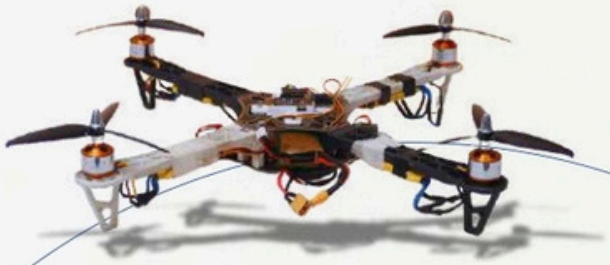
KITS & PRODUCT CATALOGUE

2026

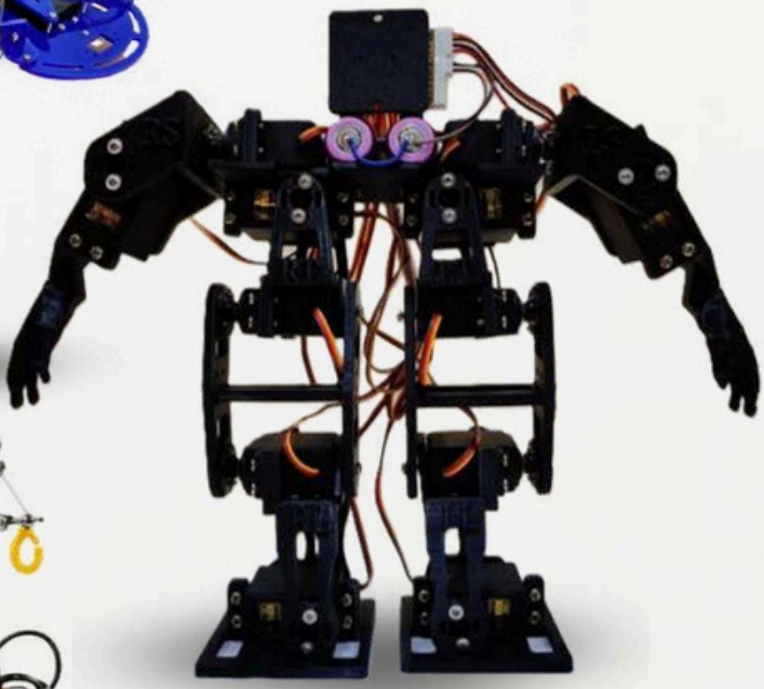
BUILD. LEARN. INNOVATE.

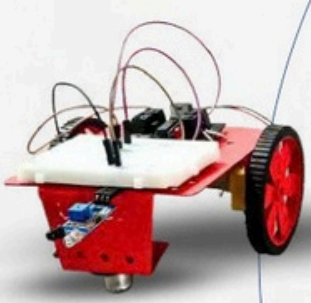
Hands-on robotics and electronics kits designed to spark curiosity, build skills and shape the innovators of tomorrow.

- **PRACTICAL LEARNING**
- **CODING + MECHANICS**
- **CREATIVE THINKING**
- **FUTURE READY**

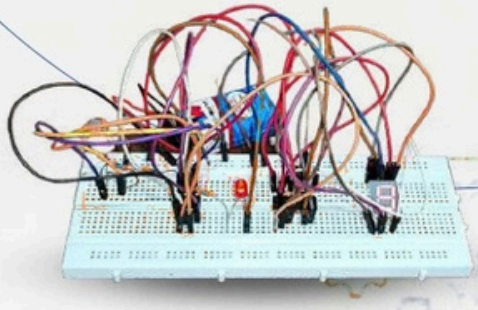












LEVEL 0

STEM LEARNING KITS FOR PRE-SCHOOLERS

Start Your Robotics Journey

Level 0 kits are designed to introduce young learners to the fundamentals of STEM through fun, hands-on activities that encourage curiosity, creativity, and basic problem-solving skills.

Learn through play. Explore with curiosity. Build strong foundations.

LEVEL 0



Launching Soon



Launching Soon



Build. Learn. Innovate.
We make learning fun and meaningful with hands-on robotics kits.

The First Step to Innovation
Build confidence. Spark curiosity. Create the future.

ELEMENTARY MACHINES

STEM KIT FOR YOUNG LEARNERS

40+ Projects



Age Group: 4 Years+

The Elementary Machines STEM Kit is a hands-on learning set designed using LEGO type elements to introduce young learners to the fundamentals of mechanical design, motion, and problem-solving. It enables children to explore how everyday mechanisms work by building interactive, fun, and functional models.

PRICE: ₦267,334.52

KIT OVERVIEW / FEATURES / BENEFITS

- High-quality LEGO type building components for durable, repeatable learning
- Colorful elements that help children easily understand assembly structures
- Moving parts such as gears, pulleys, axles, levers, and wheels
- Step-by-step project videos for guided exploration
- Designed for individual or group activities in classrooms or robotics labs

LEARNING FROM THE KIT

- **How different mechanical components interact to produce motion**
- **Basic engineering thinking through model building**
- **Principles of force, load, balance, and movement**
- **Observation, prediction, and testing skills through simple experiments**
- **Creative problem-solving by modifying and improving their designs**

FEW TYPES OF ROBOTS YOU CAN BUILD

- **Spinning Top**
- **Merry-Go-Round**
- **See-Saw**
- **Paddle Boat**
- **Pulley Lift**
- **Wheelbarrow**
- **Gearing Model**
- **Measuring Car**
- **Balance Scale and Many More**



SMARTBRICKS

STEM, CODING & ROBOTICS KIT

40+ Projects



Age Group: 6 Years+

The SmartBrick STEM Kit introduces children to the exciting world of robotics, coding, and engineering through hands-on learning. Using building elements, motors, sensors, and simple block-based programming, young learners can create interactive models that move, react, and solve challenges.

LAUNCHING SOON

KIT OVERVIEW / FEATURES / BENEFITS

- Easy-to-build components
- Smart Hub for connecting projects
- Motor to create movement and motion
- Motion Sensor to detect objects nearby
- Tilt Sensor to detect direction and angles
- Drag-and-drop coding interface for beginners
- Step-by-step project videos and activities
- Encourages teamwork, creativity, and innovation

LEARNING FROM THE KIT

- **Introduction to Robotics and Automation**
- **Basic Coding Concepts**
- **Understanding Sensors and Motors**
- **Problem-Solving and Logical Thinking**
- **Engineering Design Process**
- **Creativity through Model Building**
- **Real-World Applications of Robotics**

FEW TYPES OF ROBOTS YOU CAN BUILD

- **Milo the Science Rover**
- **Smart Fan**
- **Moving Satellite**
- **Earthquake Simulator**
- **Pulling Robot**
- **Rescue Helicopter**
- **Dancing Bird**
- **Speed Car**
- **Frog Robot**
- **Goal Kicker**
- **Spinner Challenge**
- **And Many More**



LEVEL 1

MECHANICS, ROBOTICS & CODING

Start Your Robotics Journey

Level 1 kits are designed for beginners who are taking their first steps into the exciting world of robotics, coding and mechanics.

Easy to build. Fun to learn. Endless to explore.

LEVEL 1



JB1V1



JB1V2



JB1V3

Build. Learn. Innovate.
We make learning fun and meaningful with hands-on robotics kits.

The First Step to Innovation
Build confidence. Spark curiosity. Create the future.

AI ROBOTICS
INNOVATION TECH

BUILD, LEARN, INNOVATE.

40+ Projects

JUNIOR BOT KIT (ADVANCED)

Model No: JB1V1

This robotics kit allows students to explore mechanics, electronics, and programming through 40 engaging projects. Participants will learn about motors, gears, electrical connections, and programmable robotics while creating innovative models and robots.



PRICE: ₦419,250.26

KIT OVERVIEW / FEATURES / BENEFITS

- 40+ Robots with Step-by-Step Instruction
- Unlimited possibility to make robots based on creativity
- Manual controlled & programmable robots in single kit wireless options
- Block based coding in Ardblock to build programmable robots

LEARNING FROM THE KIT

Learn about Mechanics, programming, gear mechanism, assembly techniques, screwing techniques, friction, torque, motors, gripper mechanism, concept of angles,shapes, energy conversion & many more.

FEW TYPES OF ROBOTS YOU CAN BUILD


Garbage Collector Bot


4 Wheel Drive


Monkey Bot


Sweeper Bot


Crane Bot


Color Identifier Bot


Separator Bot


Obstacle Avoider Bot


Sumo Bot


Line Follower Bot


Drawing Bot

AI ROBOTICS INNOVATION TECH

BUILD, LEARN, INNOVATE.

JUNIOR BOT KIT (INTERMEDIATE)

13+ Projects



Model No: JB1V2 | **Age Group: 8 Years+**

This all-in-one robotics kit helps students explore mechanics, electronics, and programming through 13+ exciting robot projects.
Students learn about motors, gears, electrical connections, and programmable robotics while building creative mechanical models and innovative robots.

PRICE: ₦193,270.51

KIT OVERVIEW / FEATURES / BENEFITS

- 13+ Robots with Step-by-Step Instruction
- Perfect platform to learn STEM & Robotics
- Learn Programming as well as Mechanics
- IR Sensors included

LEARNING FROM THE KIT

Learn about Mechanics, programming, gear mechanism, assembly techniques, screwingtechniques, friction, torque, motors, gripper mechanism, concept of angles,shapes, energy conversion & many more.

FEW TYPES OF ROBOTS YOU CAN BUILD



Garbage Collector Bot



4 Wheel Drive



Bike



Mini 4 wheel drive Bot



Swing Bot



Fan Bot



Speedster



Obstacle Avoider Bot



Rider



Line Follower Bot



Drawing Bot

AI ROBOTICS INNOVATION TECH

BUILD, LEARN, INNOVATE.

JUNIOR BOT KIT (BASIC)

17+ Projects



Model No: JB1V3 | **Age Group: 8 Years+**

An all-in-one advanced robotics kit to build and innovate! Perfect for young minds to explore robotics and mechanics 17+ exciting robots and endless creativity.

PRICE: ₦108,872.00

KIT OVERVIEW / FEATURES / BENEFITS

- 17+ Robots with Step-by-Step Instruction
- Perfect platform to learn STEM & Robotics
- Build Non-Programmable Robots
- Included Step-by-Step video tutorials.

LEARNING FROM THE KIT

Learn about Mechanics, , gear mechanism, assembly techniques, screwing techniques, friction, torque, motors, gripper mechanism, concept of angles,shapes, energy conversion & many more.

FEW TYPES OF ROBOTS YOU CAN BUILD



Garbage Collector Bot



4 Wheel Drive



Bike



Mini 4 wheel drive Bot



Swing Bot



Fan Bot



Speedster



Toll Bot



Rider



Drawing Bot

LEVEL 2

ELECTRONICS & CIRCUITS

Start Your Electronics Journey

Level 2 kits introduce students to the fundamentals of electronics, circuits, and sensors through engaging hands-on projects and experiments.
Discover electronics.
Build confidence. Create smarter systems.

LEVEL 2



Build. Learn. Innovate.
We make learning fun and meaningful with hands-on robotics kits.

The First Step to Innovation
Build confidence. Spark curiosity. Create the future.

ELECTRONICS KIT (ADVANCED)

65+ Projects



Model No: ESP2V2 | **Age Group: 9 Years+**

This kit provides students with an engaging introduction to the fundamentals of electronics through 65+ hands-on circuit projects utilizing a solderless breadboard. Students will discover real-life applications as they work with components such as ICs, transistors, resistors, capacitors, and sensors to create innovative electronic prototypes.

KIT OVERVIEW / FEATURES / BENEFITS

- 65+ curriculum-based electronics projects by AI Robotics Innovation Technologies.
- Comprehensive kit for building circuits.
- Perfect for young minds to dive into electronics
- Explore robotics, and circuits through engaging projects.
- Unleash creativity with boundless learning opportunities.

PRICE: ₦156,068.33

LEARNING FROM THE KIT

Learn Concepts of semiconductors, circuit building, how to use a multimeter, resistors, 555 timer ICs, transistors, resistors, OP-amps & many more.

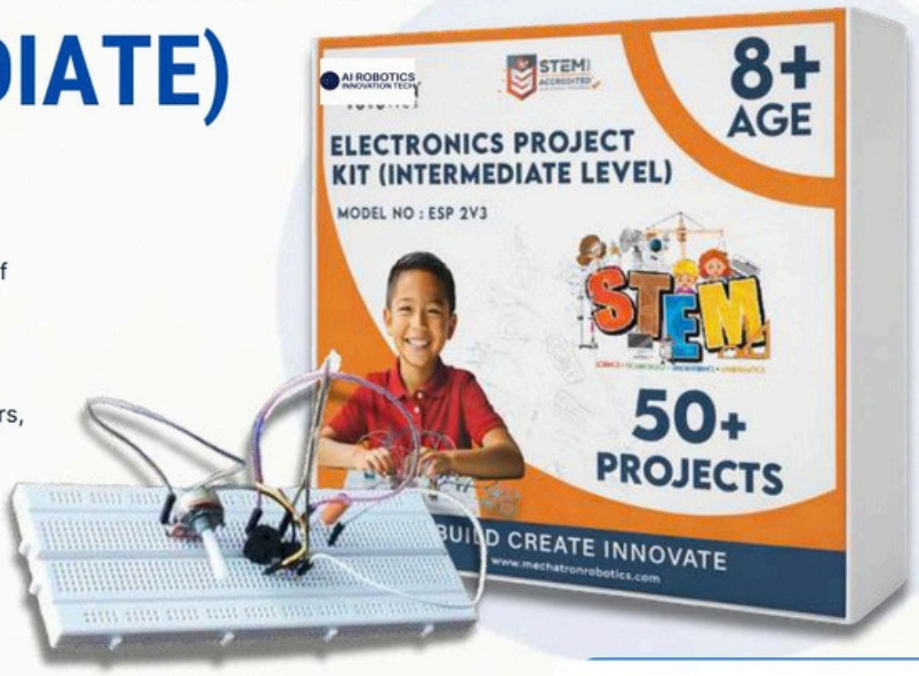
FEW TYPES OF PROJECTS YOU CAN BUILD

- **Automatic Dark / Light Detector**
- **Remote Tester**
- **Dark / Light / Obstacle detector using opamp**
- **Heat Sensor using Op-Amp**
- **Alternate flashing LED using 555**
- **Touch Sensor using 555**
- **Mosquito repellent**
- **Dimming LED using 555**
- **Clap Sensor**
- **Electronic Dice**
- **LED switching using IR Remote**
- **LED Chaser**



ELECTRONICS PROJECT KIT (INTERMEDIATE)

50+ Projects



Model No: ESP2V3 | **Age Group: 8 Years+**

This kit offers students a foundational understanding of electronics through over 50 hands-on circuit projects utilizing a solderless breadboard.
Students will delve into real-world applications as they work with components such as ICs, transistors, resistors, capacitors, and sensors to create innovative electronic prototypes.

KIT OVERVIEW / FEATURES / BENEFITS

- Over 50+ electronics projects designed by AI Robotics Innovation Technologies.
- Curriculum includes 30 different types of components.
- Components feature ICs, transistors, and resistors.
- Utilize breadboards for hands-on experience.
- Includes IR transmitters/receivers, diodes, and LDRs.

PRICE: ₦84,758.13

LEARNING FROM THE KIT

Learn Concepts of semiconductors, circuit building, how to use a multimeter, resistors, 555 timer ICs, transistors, resistors,

FEW TYPES OF PROJECTS YOU CAN BUILD

- **LEDs in Series & Parallel**
- **Battery Level Indicator**
- **Dimming LED using pot**
- **Automatic Dark Detector**
- **Automatic Light Detector**
- **DC Fan Control**
- **Voice Detector**
- **Flashing LED using 555**
- **Touch Sensor using Darling tone pair**
- **Electronic Piano**
- **Water Level indicator**
- **Dancing LED**
- **Flashing LED using Transistor**
- **Remote Tester using TSOP1738**



ELECTRONICS PROJECT KIT (BASIC)

40+ Projects



Model No: ESP2V4 | **Age Group: 8 Years+**

This kit introduces students to the fundamentals of electronics through 40+ hands-on circuit projects using a solderless breadboard.
Students explore real-life applications while working with components like ICs, transistors, resistors, capacitors, and sensors to build creative electronic prototypes.

KIT OVERVIEW / FEATURES / BENEFITS

- Over 40 electronics projects crafted by AI Robotics Innovation Technologies.
- Incorporates 20 different types of components.
- Features integrated circuits (ICs), transistors, resistors, breadboards, light-dependent resistors (LDR), and capacitors.

PRICE: ₦69,256.36

LEARNING FROM THE KIT

Learn Concepts of semiconductors, circuit building, resistors, 555 timer ICs, transistors, resistors Few types of Projects you can build

FEW TYPES OF PROJECTS YOU CAN BUILD

- **LEDs in Series & Parallel**
- **Battery Level Indicator**
- **Dimming LED using pot**
- **Automatic Dark Detector**
- **Automatic Light Detector**
- **DC Fan Control**
- **Touch Sensor using Darling tone pair**
- **Water Level indicator**
- **Flashing LED using Transistor**
- **Flashing LED using 555**
- **Alternate flashing LED using 555**
- **Touch Sensor using 555**



STEM PROJECT KIT

15+ Projects

Model No: ESP2V5 | **Age Group: 8 Years+**



The ESP2V5 Creative Electronics Project Kit introduces young learners to the exciting world of electronics through 15+ hands-on projects that combine electronic components with engaging paper-based craft models. Instead of using a breadboard, students build working models directly using motors, LEDs, buzzers, switches, batteries, and simple circuits integrated into creative paper structures.

PRICE: ₦67,533.95

KIT OVERVIEW / FEATURES / BENEFITS

- 15+ creative electronics and craft-based projects
- No breadboard required – simple component connections.
- Combines electronics with paper engineering and model making.
- Includes motors, LEDs, buzzers, switches, batteries, wires, and craft materials.
- Easy-to-build projects suitable for beginners and young learners.
- Video tutorials available for guided learning.
- Promotes hands-on STEM learning through creative construction.

LEARNING FROM THE KIT

Learn the Basics of electricity and electronic circuits, Open and closed circuits, Working of LEDs and buzzers, DC motor operation, Electromagnetism, Conductors and insulators, Simple automation concepts, Mechanical motion and movement

FEW TYPES OF PROJECTS YOU CAN BUILD

- **Helicopter**
- **Rotating Earth**
- **Jupiter / Saturn Model**
- **Windmill**
- **Rotating Solar System**
- **Mini Fan**
- **Ropeway / Cable Car**
- **Washing Machine Craft**
- **Spin Art (Drawing) Machine**
- **Smile Card**
- **Light-Up Card**
- **House Light Up**



LEVEL 3

WIRELESS & LOGIC BASED ROBOTS

Start Your Robotics Journey

This kit focuses on application of Electronics and Circuit building where students learn to use Sensors, make Robots with sensors, make various robots without using any microcontroller.

LEVEL 3



ESP3V1



ESP3V2

Build. Learn. Innovate.
We make learning fun and meaningful with hands-on robotics kits.

The First Step to Innovation
Build confidence. Spark curiosity. Create the future.

LOGIC BASED ROBO KIT (ADVANCED)



Model No: ESP3V1 | **Age Group: 9 Years+**

This kit enables students to cultivate advanced skills in electronics and circuit building through engaging sensor-based robotic projects. They will explore electronic logic, circuit connections, and wireless circuit design, all while avoiding the use of microcontrollers.

KIT OVERVIEW / FEATURES / BENEFITS

- Kit for building 15+ logic-based robots
- Foundation for electronics and robotics
- Suitable for school/college projects
- Includes 30+ components
- Features robot chassis, motors, wheels, and motor driving module

PRICE: ₦210,893.33

LEARNING FROM THE KIT

Logic-based robotics involves machines completing tasks autonomously using predefined rules and logical reasoning. These robots rely on sensors to gather data to enhance their decision-making abilities.

FEW TYPES OF ROBOTS YOU CAN BUILD

- **Motion detecting bot using IR**
- **Black / White line follower robot**
- **Light & Dark follower robot**
- **IR Controlled robot**
- **Obstacle Avoider Robot**
- **Pit Avoider robot**
- **IR Controlled Obstacle Avoider Robot**
- **Wireless Dark Follower robot**
- **Wireless IR Controlled robot**



LOGIC BASED ROBO KIT (STARTER)

9+ Projects



Model No: ESP3V2

This kit helps students develop advanced electronics and circuit-building skills through sensor-based robotic projects. Students learn electronic logic, circuit connections, and robot design without using microcontrollers.

PRICE: ₦103,704.74

KIT OVERVIEW / FEATURES / BENEFITS

- This is a kit to learn to make 9+ Logic Based Robots
- Sets foundation for Electronics & Robotics
- Make School / College level Electronic Projects
- 25+ types of Components
- Components include Robot Chassis, Motors, Wheels, Motor Driving Module, IR & LDR Sensors.

LEARNING FROM THE KIT

Understanding electronics and logic-based circuit building
Building sensor-based robots without microcontrollers
Developing practical problem-solving and robotic design skills

FEW TYPES OF ROBOTS YOU CAN BUILD

- **Two-Wheel Wired Bot**
- **Motion-detecting bot using IR**
- **Black line follower robot**
- **White line follower robot**
- **Light follower robot**
- **Dark follower robot**
- **Obstacle Avoider Robot**
- **Pit Avoider robot**
- **Drawing Bot**







LEVEL 4

ARDUINO & SENSOR INTERFACING

Start Your Programming Journey

Level 4 kits are designed to introduce Arduino programming, sensors, and automation concepts through interactive coding-based projects.

Start coding. Control technology. Bring ideas to life.

LEVEL 4



AP4V2



AP4V3



AP4V4

Build. Learn. Innovate.
We make learning fun and meaningful with hands-on robotics kits.

The First Step to Innovation
Build confidence. Spark curiosity. Create the future.

ARDUINO PROJECT KIT (ADVANCED)

60+ Projects



Model No: AP4V2 | **Age Group: 12 Years+**

This Kit introduces students to Arduino through 60+ hands-on projects.
Students learn Arduino programming in C language, sensor interfacing, and building real-life electronics projects.

PRICE: ₦188,963.33

KIT OVERVIEW / FEATURES / BENEFITS

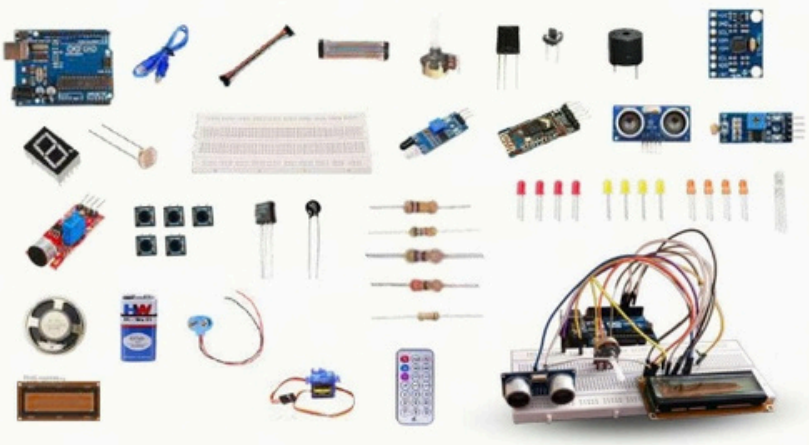
- 60+ Projects
- 20+ Variety of Components, 10+ Sensors.
- A complete kit to learn Arduino from basic to advanced
- Sets foundation for Home Automation & IOT
- Best way to learn Programming / C Language

LEARNING FROM THE KIT

Learn Concepts of C Language, Microcontroller, Various Sensors, Interfacing Hardware with coding, Syntax, Logics, Conditions, Loops, Functions etc.

FEW TYPES OF ROBOTS YOU CAN BUILD

- **Measure distance using Ultrasonic Sensor**
- **Radar using Ultrasonic Sensor**
- **Water Level Indicator using US**
- **Print Texts on LCD**
- **Interfacing 7 Segment Display**
- **LDR-Based LED Dimming**
- **Interfacing Thermistor with Arduino**
- **Bluetooth Control LED from Remote**
- **LED Blinking Using IR Remote**



ARDUINO PROJECT KIT (INTERMEDIATE)

50+ Projects



Model No: AP4V3 | **Age Group: 12 Years+**

This Kit offers students an engaging introduction to Arduino with over 50+ hands-on projects. Learners will explore Arduino programming in C language, sensor interfacing, and the creation of practical electronics projects.

PRICE: ₦108,872.00

KIT OVERVIEW / FEATURES / BENEFITS

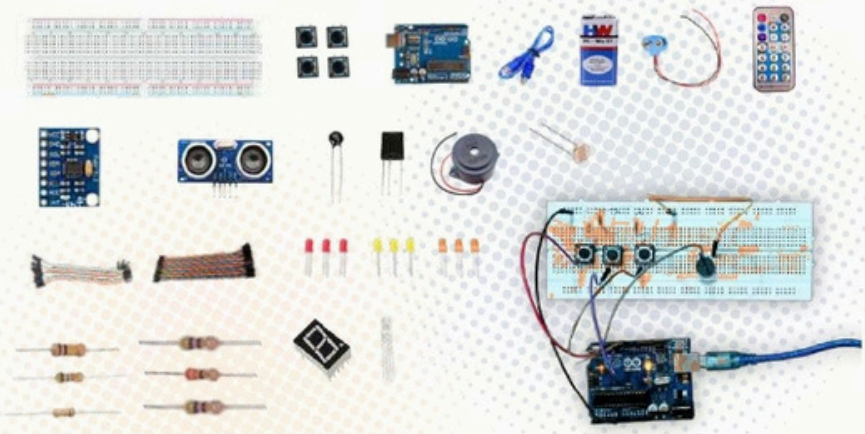
- 50+ Projects
- 15+ Variety of Components, 5+ Sensors.
- A basic Arduino Kit to learn the fundamentals
- Sets foundation for Home Automation & IOT
- Best way to learn Programming / C Language

LEARNING FROM THE KIT

Learn Concepts of C Language, Microcontroller, Various Sensors, Interfacing Hardware with Coding, Syntax, Logic, Conditions, Loops, Functions, etc.

FEW TYPES OF PROJECTS YOU CAN BUILD

- **Measure distance using Ultrasonic Sensor**
- **Radar using Ultrasonic Sensor**
- **Water Level Indicator using US**
- **Print Texts on LCD**
- **Interfacing 7 Segment Display**
- **LDR-Based LED Dimming**
- **Interfacing Thermistor With Arduino**
- **Bluetooth Control LED from Remote**
- **LED Blinking Using IR Remote**



ARDUINO STARTER PROJECT KIT (BASIC)

35+ Projects



Model No: AP4V4 | **Age Group: 12 Years+**

This Kit provides students with an engaging introduction to Arduino through more than 35+ hands-on projects. Learners will dive into Arduino programming using the C language, explore sensor interfacing, and develop practical electronics projects.

PRICE: ₦95,092.65

KIT OVERVIEW / FEATURES / BENEFITS

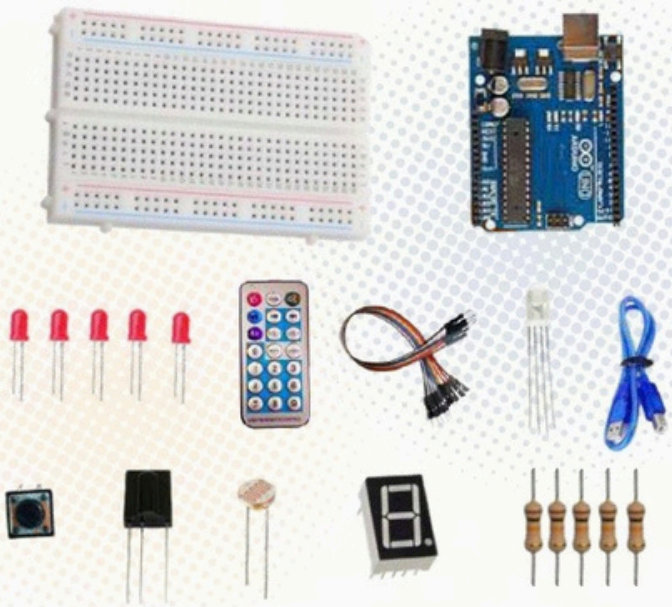
- 35+ Projects
- 10+ Variety of Components, including sensors and actuators.
- A basic Arduino Kit to learn the fundamentals
- Sets foundation for Home Automation & IOT
- Best way to learn Programming / C Language

LEARNING FROM THE KIT

Learn Concepts of C Language, Microcontroller, Various Sensors, Interfacing Hardware with coding, Syntax, Logics, Conditions, Loops, Functions etc.

FEW TYPES OF ROBOTS YOU CAN BUILD

- One LED Blinking
- Five LED Blinking
- Blink LEDs using Variable
- Control LED using Push Button
- LED Chaser
- Traffic Light Indicator
- Fading LED using PWM
- Interfacing 7 Segment Display
- LDR Based LED Dimming
- Automatic Street Light Controller using LDR
- And many more..



COMBINATION KITS

Multi-Level Integrated kits

Combined Kits are specially designed integrated learning kits that connect multiple skill levels and provide a wider hands-on experience.

Learn across technologies, build deeper understanding, and accelerate innovation through practical creation.





Build. Learn. Innovate.
We make learning fun and meaningful with hands-on robotics kits.

The First Step to Innovation
Build confidence. Spark curiosity. Create the future.

LEVEL 2 & 3

ELECTRONICS & ROBO KIT



Model No: ESP2V1 | **Age Group: 9 Years+**

An all-in-one advanced electronics project kit designed to build, and innovate! Ideal for young minds to explore electronics and circuitry through 40+ engaging projects and boundless creativity.

PRICE: ₦212,217.12

KIT OVERVIEW / FEATURES / BENEFITS

- This is a Combo Kit to build electronics circuits & Logic Based Robots.
- 40+ Electronics Projects & 10+ Logic Based Robots
- Sets foundation for Electronics & Robotics
- Make School / College level Electronic Projects
- 70+ Variety of Components

LEARNING FROM THE KIT

Concepts of Logic Based Robotics or nonprogrammable robots and all the electronics concepts like Resistors, 555 timer ICs, Transistors, Operational Amplifiers (OP-Amps), and many more.

FEW TYPES OF ROBOTS YOU CAN BUILD

- **Motion detecting bot using IR**
- **Black / White Line follower robot**
- **Light & Dark follower robot**
- **IR Controlled robot**
- **Obstacle Avoider Robot**
- **Pit Avoider robot**
- **IR Controlled Obstacle Avoider Robot**
- **Wireless Dark Follower robot**
- **Wireless IR Controlled robot**



LEVEL 4 & 5

40+ Projects

ROBOTICS & PROJECT KIT (MICROCONTROLLER-BASED)



Model No: AP4V1 | **Age Group: 12 Years+**

This combined kit helps students explore Arduino, robotics, and advanced electronics through hands-on projects and sensor-based robots.
Students learn C/C++ programming, circuit building, sensor interfacing, and robotic automation while creating innovative real-life projects.

PRICE: ₦212,217.12

KIT OVERVIEW / FEATURES / BENEFITS

- 40+ projects and 20+ types of robots
- 40+ types of components, including 10 sensors
- A complete kit to learn Arduino from basic to advanced
- Sets foundation for home automation & IoT
- Best way to learn programming/C language

LEARNING FROM THE KIT

Concepts of C Language, Microcontroller, Various Sensors, Interfacing Hardware with Coding, Syntax, Logic, Conditions, Loops, Functions, etc.

FEW TYPES OF PROJECTS YOU CAN BUILD

- **Measure distance using Ultrasonic Sensor**
- **Radar using Ultrasonic Sensor**
- **Water Level Indicator using US**
- **Print Texts on LCD**
- **Interfacing 7 Segment Display**
- **LDR Based LED Dimming**
- **Interfacing Thermistor With Arduino**
- **Bluetooth Control LED from Remote**
- **LED Blinking Using IR Remote**



LEVEL 5

ADVANCED ARDUINO BASED ROBOTS

Start Your Robotics Journey

Level 5 kits explore advanced robotics and Arduino-based systems with deeper programming, automation, and real-world applications.

Code advanced systems. Build smart robots. Push innovation further.

LEVEL 5



AP5V1

Build. Learn. Innovate.
We make learning fun and meaningful with hands-on robotics kits.

The First Step to Innovation
Build confidence. Spark curiosity. Create the future.

ARDUINO ROBOTICS KIT

20+ Projects



Model No: AP5V1 | **Age Group: 12 Years+**

This kit helps students learn advanced robotics by building and programming Arduino-based robots using sensors and electronics.
Students gain hands-on experience in coding, circuit building, and robotic automation projects.

PRICE: ₦199,928.33

KIT OVERVIEW / FEATURES / BENEFITS

- Over 20 types of robots.
- More than 20 components, including 12+ sensors.
- Features 4-wheel drive chassis with motors and wheels.
- Complete kit for learning Arduino-based robots.
- Ideal for learning programming and C language.

LEARNING FROM THE KIT

Concepts of C Language, Microcontroller, Various Sensors,Build Arduino-based Robots.

FEW TYPES OF ROBOTS YOU CAN BUILD

- **Gesture-controlled bot using Bluetooth**



LEVEL 6

HUMANOID ROBOTICS

Start Your Robotics Journey

LEVEL 6

Level 6 introduces humanoid robotics, helping students explore motion control, servo mechanisms, and human-like robotic movements. Build motion.

Understand robotics. Experience humanoid technology.



Build. Learn. Innovate.
We make learning fun and meaningful with hands-on robotics kits.

The First Step to Innovation
Build confidence. Spark curiosity. Create the future.

12 DOF HUMANOID PROJECT KIT



PRICE: ₦463,110.26

12 DOF Humanoid Kit

The 12 DOF Humanoid Kit by AI Robotics Innovation Technologies is an educational robotics kit designed to teach students about robotics and motion control. Featuring 12 servo motors, it enables hands-on exploration of humanoid movements, making it ideal for learning mechanics, electronics, and programming for those interested in robotics and automation.

KIT OVERVIEW / FEATURES / BENEFITS

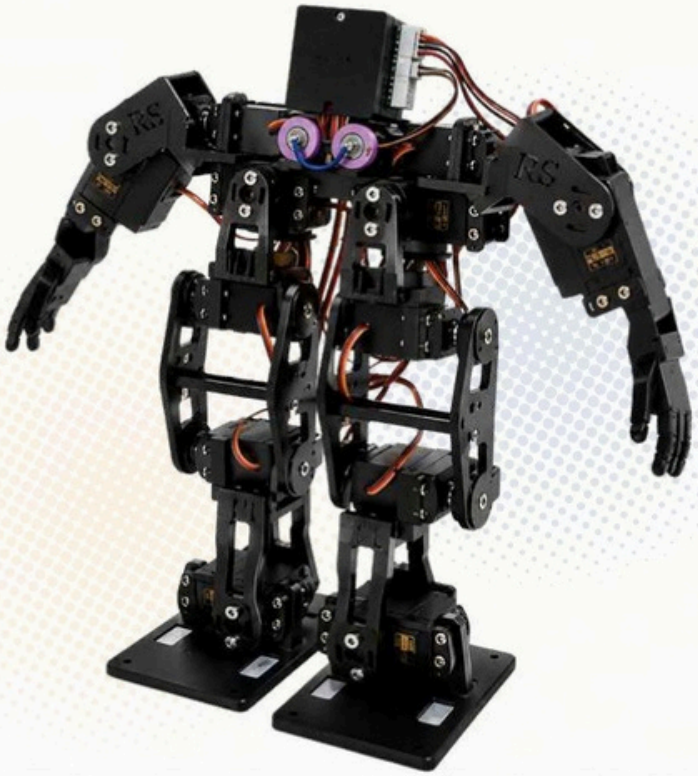
- A complete humanoid kit with individual body parts:
- Legs, thighs, body, shoulders, hands, and head
- 12 × Servo motors
- 1 × Bluetooth wireless controller for controlling the servos
- 2 × Rechargeable lithium-ion batteries with battery bracket and charger
- 1 × Data cable

LEARNING FROM THE KIT

Mastering Servo Motor Control involves operating multiple motors for precise movements. Humanoid Robotics covers robot design and motion dynamics. Programming skills are crucial for effective robot function programming. Mechanical Assembly enhances technical skills through hands-on component assembly.

FEW TYPES OF PROJECTS YOU CAN BUILD

- **Left Hand Hi**
- **Right Hand Hi**
- **Turn left**
- **Turn right**
- **Move forward**
- **Kick**



LEVEL 7

INTERNET OF THINGS (IOT)

Start Your Robotics Journey

Level 7 focuses on Internet of Things (IoT) technology, enabling students to create smart connected devices and automation systems.
Connect devices.

Control wirelessly. Build the future.

LEVEL 7



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We make learning fun and meaningful with hands-on robotics kits.

The First Step to Innovation
Build confidence. Spark curiosity. Create the future.

INTERNET OF THINGS (IOT) PROJECT KIT

20+ Projects



Model No: IOT | **Age Group: 9 Years+**

This kit helps students understand IoT and smart technology by creating internet-connected projects and automation systems.
Students learn how devices communicate over the internet using coding and microcontrollers.

PRICE: ₦140,717.33

KIT OVERVIEW / FEATURES / BENEFITS

- Over 20 projects included
- Features 20+ components, including 7 sensors
- Comprehensive kit for learning IoT with NodeMCU
- Ideal method for mastering programming and C language

LEARNING FROM THE KIT

Students can build various IOT Projects using this kit. They will also learn about NodeMCU Microcontroller, Various Sensors, Interfacing Hardware with coding, Making apps using Blynk app, Learning about Blynk cloud.

FEW TYPES OF PROJECTS YOU CAN BUILD

- **Introduction to ESP8266**
- **Introduction to Blynk App**
- **Controlling one LED ON and OFF**
- **Changing the color of an RGB LED**
- **Gas Leakage Alert**



LEVEL 8

PYTHON AND RASPBERRY PI

Start Your Robotics Journey

LEVEL 8

Level 8 introduces Raspberry Pi platform, covering setup of the Raspberry Pi environment, Linux operating system basics, and Python programming.



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RASPBERRY PI PROJECT KIT



Raspberry Pi

This kit helps students explore the Raspberry Pi platform through hands-on learning with Linux and Python programming.
Students learn coding, debugging, and working with Raspberry Pi-based applications and projects.

PRICE: ₦572,760.26

KIT OVERVIEW / FEATURES / BENEFITS

- 15+ Projects and 5+ types of Bots
- Includes 4 Wheel Drive Chassis with Motors, Wheels, etc.
- A complete kit to learn Raspberry Pi
- Best way to learn Programming / Python Language
- Learning from the kit: Concepts of Python Programming, Controlling Hardware using Python, introduction to Linux system and Linux Commands. Interfacing various sensors with raspberry pi

LEARNING FROM THE KIT

Concepts of Python Programming, Controlling Hardware using Python,introduction to Linux system and Linux Commands. Interfacing varioussensors with raspberry pi

FEW TYPES OF PROJECTS YOU CAN BUILD

- **Setup Raspberry Pi**
- **Object detection using an IR sensor**
- **Rotate Servo motor**
- **Measure distance using an ultrasonic sensor**
- **Gas Leakage Alert**
- **Path finder robot using RPI**
- **Color follower bot using OpenCV**



LEVEL 9

DRONE TECHNOLOGY

Start Your Robotics Journey

LEVEL 9

Level 9 explores drone technology, aerodynamics, and flight control systems through practical hands-on learning.

Master flight. Explore aerial robotics. Innovate beyond limits.



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DRONE PROJECT KIT

Quadcopter Drone Project Kit

The Drone Kit developed by AI Robotics Innovation Technologies is an advanced educational kit designed to introduce students to the fundamentals of drones, robotics, and motion control. Powered by four BLDC motors, the kit enables learners to explore and perform multiple drone movements, offering hands-on experience in real-world drone technology.



PRICE: ₦682,410.26

KIT OVERVIEW / FEATURES / BENEFITS

- Complete drone kit with individual components
- Drone frame with Power Distribution Board (PDB)
- 4 × BLDC Motors
- 4 × Propellers (2 clockwise, 2 counter-clockwise)
- 4 × Propeller Adapters (Screws)
- 4 × ESCs (Electronic Speed Controllers) - Readytosky 40A
- Radiolink CrossFlight Flight Controller
- Buzzer many more...

LEARNING FROM THE KIT

Understand drone design, motion, and structure. Develop coding skills to control movements. Assemble drone components hands-on . Apply STEM and robotics in practical ways

FEW TYPES OF MOVEMENTS

- **Upward and downward movement**
- **Left and right movement**
- **Forward and backward movement**
- **Stability and flight control**
- **Area survey and basic mapping**



LEVEL 10

INDUSTRIAL ROBOTIC ARM

Start Your Robotics Journey

LEVEL 10

Level 10 focuses on industrial robotic arm systems and precision automation used in real-world engineering and manufacturing. Control precisely.

Automate intelligently. Build industrial solutions.



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We make learning fun and meaningful with hands-on robotics kits.

The First Step to Innovation
Build confidence. Spark curiosity. Create the future.

COMPETITION KITS

Robotics for Competitions

Competition kits are specially designed for robotics challenges, innovation competitions, and advanced engineering applications. These systems help students apply their skills through real-world problem solving, strategic thinking, and high-performance robotics experiences.

Built for performance. Designed for innovation. Ready for competition.



Build. Learn. Innovate.
We make learning fun and meaningful with hands-on robotics kits.

The First Step to Innovation
Build confidence. Spark curiosity. Create the future.

ROBOTIC ARM WITH CONVEYOR BELT



Robotic Arm Kit

The Robotic Arm Kit by AI Robotics Innovation Technologies is an educational tool that teaches students about automation and robotics. It features multiple servo motors for precise movements like gripping and lifting, offering hands-on experience in robotic manipulation and control systems.

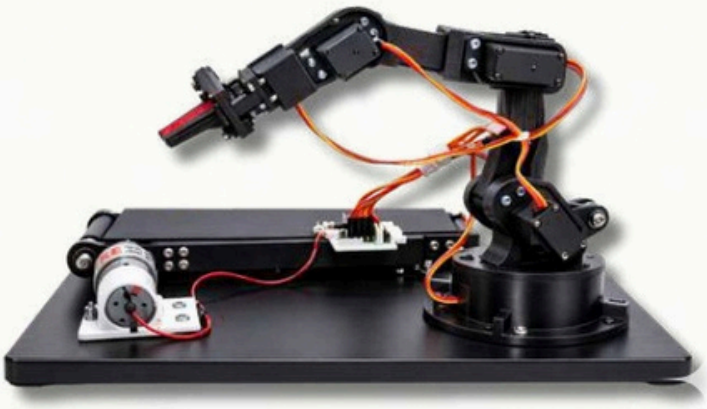
KIT OVERVIEW / FEATURES / BENEFITS

- A Complete Robotic Arm Kit with individual body parts : Base, Shoulder, Elbow, Wrist, Gripper
- Conveyor
- 1 x IR Sensor
- 1 x Controller
- 1 x Controller Base
- 5 X Servo Motor
- 1 X DC Jhonson Motor

LEARNING FROM THE KIT

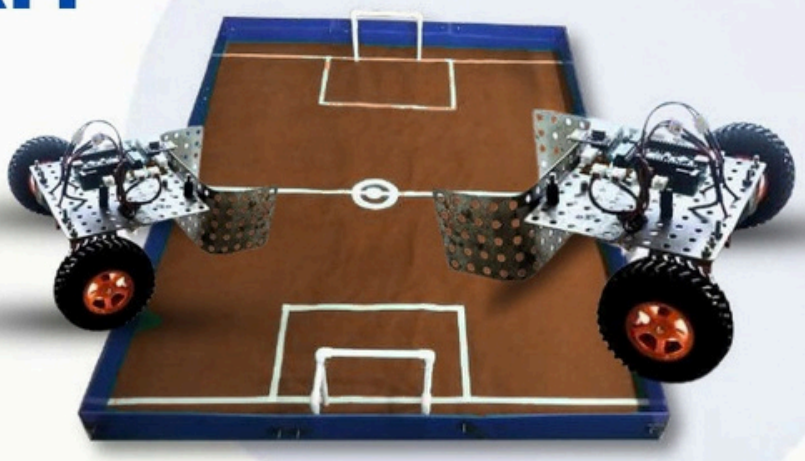
Learn to control Servo and DC Johnson motors while understanding robotic arm design and motion dynamics. Develop programming skills for managing robotic functions and enhance your mechanical assembly capabilities. Improve problem-solving through tackling challenges and explore STEM integration in automation and robotics.

BUILD CONVEYOR BELT AND ROBOTIC ARM





ROBO SOCCER COMPETITION KIT



Age Group: 8 Years+

The Robo Soccer competition kit is designed and developed by AI Robotics Innovation Technologies. This kit offers an exciting and educational experience to students. The kit includes two bots and the arena, where small teams of 2 to 4 participants can engage in an exciting and interactive game.

KIT OVERVIEW / FEATURES / BENEFITS

- Wireless Robo Soccer Bots with Ball - 2 Pieces
- Orange Mat Arena - 1 piece
- Goal Posts - 2 pieces

PRICE: ₦1,384,170.26

LEARNING FROM THE KIT

The competition, where the team that scores the most goals wins, promotes teamwork, strategic thinking, and problem-solving skills as students design, program, and maneuver their robots.





ROBO RACE COMPETITION KIT

Age Group: 8 Years+

This Robo Race competition kit is designed and developed by AI Robotics Innovation Technologies. This kit provides a comprehensive and thrilling experience to the students. Participating in the Robo Race competition prepares students for future technological challenges and cultivates a deep interest in STEM fields.



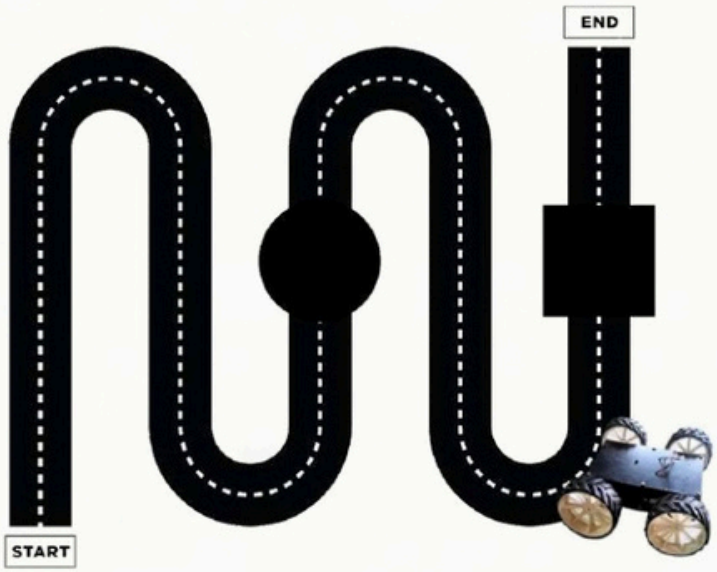
KIT OVERVIEW / FEATURES / BENEFITS

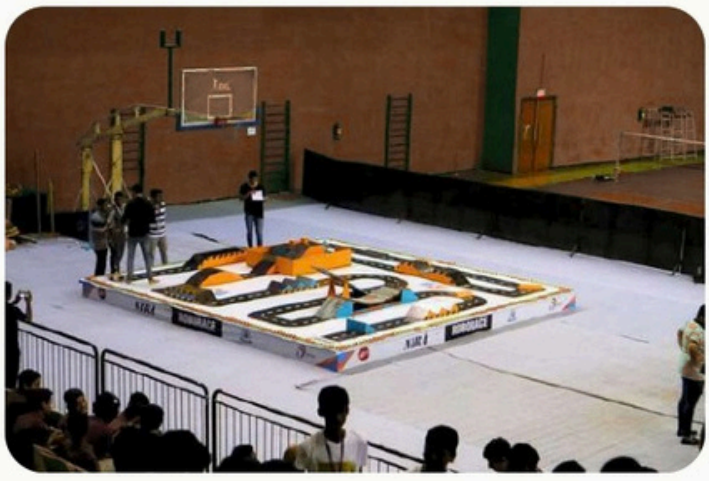
- Wired Robo Race Competition Bot
- Arena - 14ft x 12ft with printed Track - 1 piece
- Various Hurdles - Wooden - 1 Set

PRICE: ₦1,384,170.26

LEARNING FROM THE KIT

Navigating various hurdles on the track enhances their problem-solving and critical thinking skills, while the excitement of the race fosters a competitive spirit and drives innovation. This event also promotes teamwork and collaboration, as students work together to build, program, and optimize their robots.

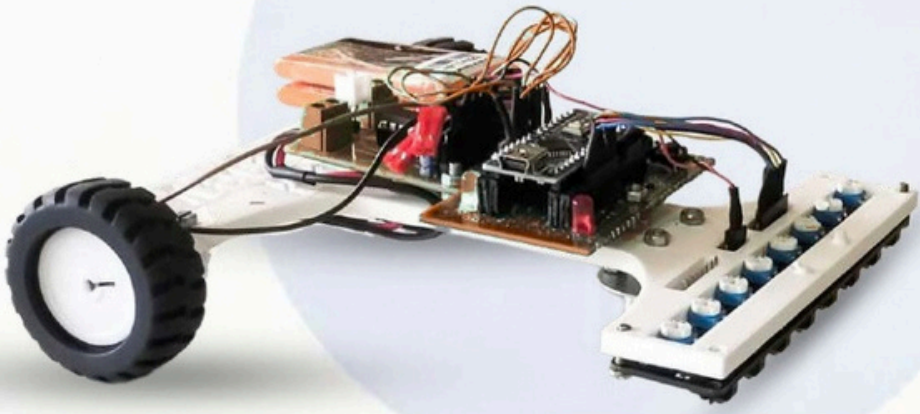




LINE FOLLOWER COMPETITION KIT

Age Group: 8 Years+

This Line Follower competition kit is designed and developed by AI Robotics Innovation Technologies. This kit provides an enriching and engaging educational experience. The kit includes three stages with varying levels of difficulty, challenging students to enhance their programming and problem-solving skills.



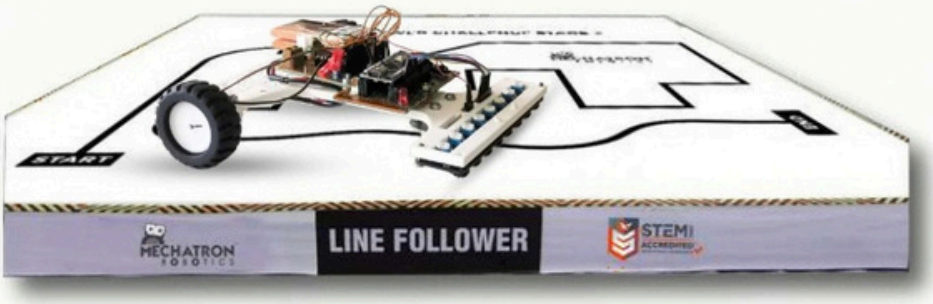
PRICE: ₦660,480.26

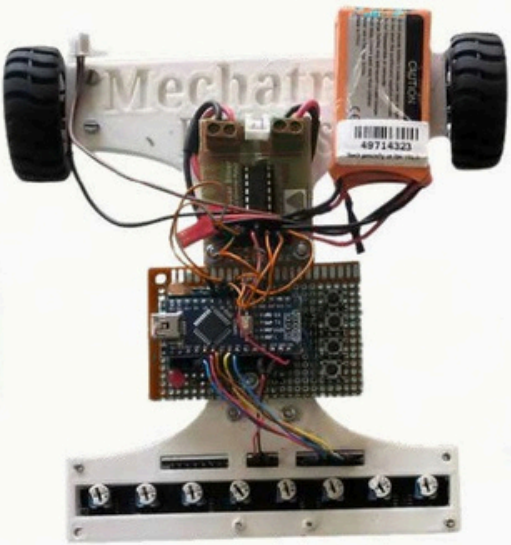
KIT OVERVIEW / FEATURES / BENEFITS

- Wired Robo Race Competition Bot
- Arena - 14ft x 12ft with printed Track - 1 piece
- Various Hurdles - Wooden - 1 Set

LEARNING FROM THE KIT

Students program their robots to navigate the course, with the winner being the player who completes the race in the shortest time. This competition fosters critical thinking, precision, and creativity, while also promoting a hands-on understanding of robotics and automation.





THANK YOU

FOR CHOOSING AI ROBOTICS INNOVATION TECHNOLOGIES

We are committed to empowering young minds with future-ready skills through hands-on learning and innovative robotics & electronics kits.

Let's build the future together!

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Premium quality components

EDUCATIONAL
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SUPPORT
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