

05+

Activity

03+

Projects

The robotic tank DIY kit includes four motors, trackwheel, and a gripper arm. Two motors are used to power the track wheels. Other motors are used to control the movement of the robotic arm and the gripper. The size and shape of the robot make it suitable for pick and place robot application. The robot can be easily be programmed to do different operations making it an all-in-one solution for kids to enjoy hands-on experience in building robots, programming, and electronics circuits.

LEARNING OUTCOMES

1. Robotic & Programming Skills
2. Logical, Critical & Creative Thinking
3. Wireless Communication Basics
4. Motor Controls

PRODUCT FEATURES

1. Arduino Programming.
2. Wireless Connectivity via Bluetooth.
3. Android App Compatible.
4. Wheel With Track Belt.
5. In Built Gripper
6. Higher Traction

TECHNICAL SPECIFICATION

1. Operating Voltage: 12V DC
2. Protocols Supported: I2C, UART, PWM, Digital, Analog
3. USB Programmable
4. Material: Metal & Plastic

DIY ACTIVITY

1. Wireless Controlled Tank
2. Materials Handling Robot
3. Handling Gripper
4. Bomb Diffusal Planning
5. Rescue Operations

