

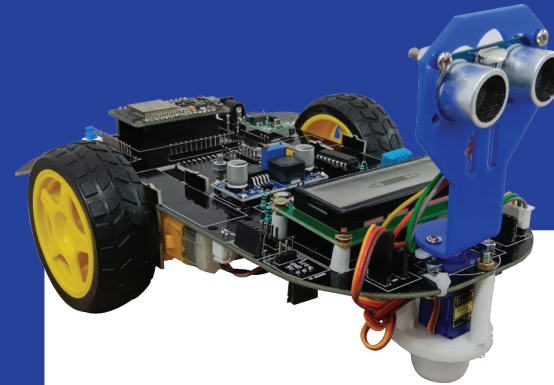
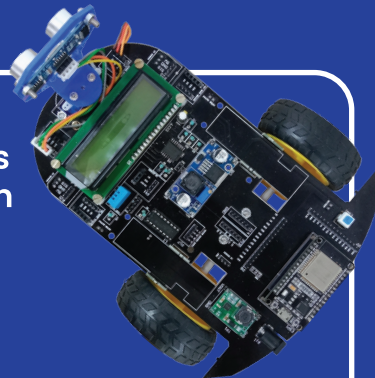
# Robotics Kit

yantram DIY Kit



## MATERIAL

Patented PCB Designed 2 Layers  
Light weight and Durable design  
Ruff and Tuff/ Sturdy Material  
Plug and Play/ Easy to use  
ESP32 Based  
Connector Type Connections  
1 hour Battery Backup  
Rechargeable Li-Ion Battery fast charging in 1 hour  
Bluetooth based  
Wifi based  
With Display



## PROJECT AND SUPPORT:

- Multiple Project on 1 kit
- 20+ Projects**
- Video Lessons for all **20 projects**
- Lab Manual
- Learning management access (LMS) on our portal
- Sensor based, App based, Bluetooth based

## SAFETY

Voltage Protection  
Less maintenance  
1 year Warranty\*



## TNC:

No Physical and liquid Damage  
No extra voltage applied  
No use of External Components other than provided Kit  
Placement should be proper according to the given manuals

## PROJECTS:

Path Finder

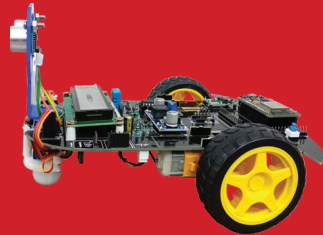
Obstacle avoiding

Plot No. 13, 3rd Floor, Pocket B, Sector 17 Dwarka, New Delhi, Delhi 110075

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# STEM PROJECTS

- Bluetooth-Controlled Robot (Mobile App Based)
- Wi-fi Controlled Robot (Mobile App Based)
- Carbon Mono Oxide Reader through ESP32 (Mobile App Based)
- Hydrogen reader through ESP32 (Mobile App Based)
- LPG Reader through ESP32 (Mobile App Based)
- Propane Reader through ESP32 (Mobile App Based)
- Temperature & Humidity Reader (Mobile App Based)
- Wi-Fi Robot with Voice Command (Mobile App Based)
- Bluetooth Robot with Voice Command (Mobile App Based)
- IR Sensor-Based Obstacle Detection (Mobile App-Based)
- Servo Motor Control in Robotics (Mobile App Based)
- Ultrasonic Distance Meter (Mobile App Based)
- Gesture Control through wifi (Mobile App Based)
- Gesture Control through Bluetooth (Mobile App Based)
- Dancing Robot
- Line Follower Robot
- Obstacle Avoiding Robot
- Collision avoider Robot
- Distance Detector Radar
- Accident Preventor with Pre-warning



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# COMPONENTS LIST

S. No.	Component	Unit
1	Battery Holder	1
2	Battery Holder Screw 1/2"	2
3	ESP Cable Micro	1
4	ESP32 Module	1
5	Caster Wheel	1
6	Caster Wheel Screw 1.5"	3
7	Caster Wheel Spacers	3
8	Gas Sensor MQ2	1
9	Gas Sensor MQ7	1
10	Geared Motor	2
11	Geared Motor Screw 1"	4
12	Geared Motor Supporting Strips	4
13	IR Sensor	2
14	Jumper Wires Female To Female	20
15	Jumper Wires Male To Female	20
16	Lcd 16*2	1
17	Lcd Spacer Screw 1"	4
18	Lcd Spacers	4
19	Li-Ion Battery 2000mah	2
20	PCB	1
21	Power Adaptor 12V 2A	1
22	Servo Motor SG 90	1
23	Servo Motor Screw 1/2"	2
24	Ultrasonic Sensor HC-SR04	1
25	Ultrasonic Sensor 4*4 Small Wire	1
26	Ultrasonic Sensor Holder	1
27	Ultrasonic Sensor Holder Screw 1/2"	2
28	Wheels/ Tyre	2

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