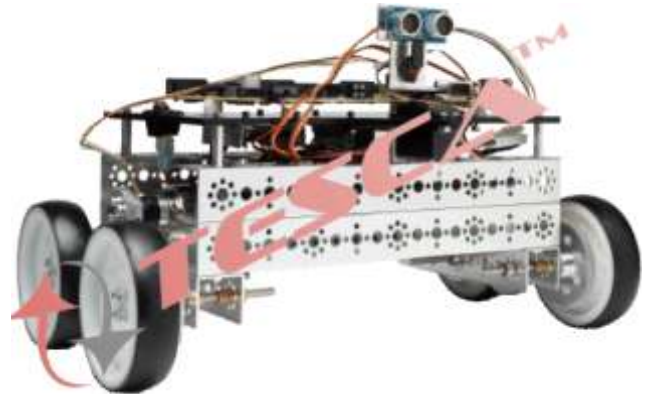


As engineering systems become more complex, robotics education is key in training the modern engineering workforce for the future. This multidisciplinary field provides hands-on design opportunities for future mechanical engineers, electrical engineers, and computer scientists and prepares them for a rapidly growing robotics market.



Available in Black, white and silver finish (Extra cost)

### List of Experiments:

- Manual Controlled Robot-Wired
- PC Controlled Robot- Wireless
- Android Controlled Robot
- Speech controlled Robot
- Cell Phone Controlled Robot
- Line Following robot
- Obstacle avoider
- Edge Avoider
- Ultrasonic based obstacle avoider
- Accelerometer based robot
- Light activated robot
- Wireless manual controlled robot
- Step programmable robot

### Features:

1. Computational Device: ATmega8
  - 8 bit RISC MCU
  - 6 Channel, 8 bit PWM
  - Programming Through VPL and C
2. Communication:
  - Zigbee Series II
  - Bluetooth Module: AUBTM
  - Wireless Hand Held Controls
3. Sensors:
  - IR Proximity Sensor: 20 cm
  - Light Sensor
  - Visible Light Sensor
  - Accelerometer
  - Ultrasonic Sensor
4. Modules:
  - DTMF Decoder: 8870
  - RCS Decoder with TV remote

Note: Specifications are subject to change.

### Package Includes:

- Microcontroller Unit: 1
- Zigbee Series II: 1
- Bluetooth Module: 1
- IR Proximity Sensor: 3
- Light Sensor: 1
- Visible Light sensor: 1
- Accelerometer: 1
- Ultrasonic sensor: 1
- DTMF Decoder: 1
- Interfacing Mother Board: 1
- Wireless Computer Control Module: 1
- Geared DC motors: 4
- Set of switches: Toggle, DPDT etc
- Software CD: 1
- Instruction manual: 1
- USB cable: 1
- Connecting Leads
- Battery
- Battery Charger

### Tesca Technologies Pvt. Ltd.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,  
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,  
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com  
Website: www.tesca.in