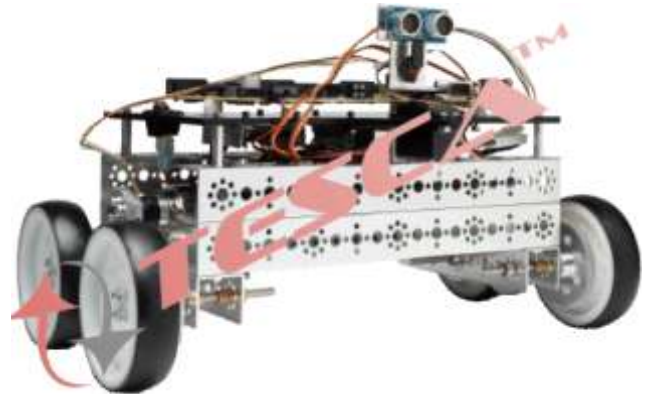As engineering systems become more complex, robotics education is key in training the modern engineering workforce for the future. This multidisciplinary field provides hands-on design opportunities for future mechanical engineers, electrical engineers, and computer scientists and prepares them for a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

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

Note: Specifications are subject to change.