

TECHNO
GRAVITY
SOLUTIONS

QU-BOT



Qu-Bot

Description



Qu-Bot is a Quickly Programmable Robot. Qu-Bot is specially designed for beginners in robotics and for all kind of robotics enthusiasts, starting from small kids to adults. The Qu-Bot visual interface software allows the robot to be programmed easily and quickly.

The Qu-Bot Robot Kit is effortless to assemble, programmable robotic kit that comes complete with a variety of sensors, motors, controller board, remote control, visual icon based software QBVLab, battery, charger, manual. Virtually everything you need to build, code, program and execute the program.

The Qu-Bot Robot kit connects to the PC via USB cable (included) and is programmable through an easy-to-use QBVLab drag and drop modular icon based software program. After the program sequences have been uploaded into the robot via USB, it can be controlled by remote control or can behave according to the user defined parameters.

In short Qu-Bot offers lots of features and functionalities at a very affordable price.

Course contents



1. Hardware Description
2. Hardware Assembly
3. Software Installation
4. Visual Programming
5. Pin-outs
6. Sensors
7. LCD
8. Component Programming
9. Application programs

Duration



15 hrs. in total for the workshop.

Theory : Practical = 30 : 70

5 days X 3 hrs. per day i.e. 5 sessions in all

Kit contents



1. 1X Fully Assembled Main Circuit board with all above features
2. 1X Li-ion Rechargeable Battery 3.7V, 1.4Ah with protection circuit
3. 2X Geared DC motors
4. 2X Mounting Clamps for motor
5. 2X Wheels
6. 1X Castor
7. 1X USB Cable
8. 1X Remote Control
9. 1X Battery Charger Adaptor
10. 1X CD with all software and documentation
11. 1X Printed Manual
12. All screws, nuts and cable ties

Qu-Bot Salient features:

1. Simple to use
2. No soldering or gluing required
3. Made for complete beginners (No knowledge of Robotics or Programming needed)
4. Develop skills of microelectronics, programming, robotics and sensors
5. USB connectivity for maximum compatibility with all PC's and Laptops
6. Easy Icon-based visual programming for beginners – sample programs included
7. Onboard li-ion rechargeable battery which can run Qu-Bot for more than 3 hours
8. Battery charged through USB or special charger

Qu-Bot can simply turned for following operations

1. Line Follower Robot
2. Wall Hugger Robot
3. Object Follower Robot
4. Light Tracer Robot
5. Hand Hugger Robot
6. Obstacle Avider Robot
7. Edge Avider Robot
8. Remote Controlled Robot
9. PC USB Controlled Robot
10. Sumo Robot

