- 8051 Core NXP P89V51RD2 microcontroller
- On-board motor drivers, for driving 4 DC motors or 2 stepper motors
- On board level converter for serial communication
- On board power regulator
- 16X2 LCD screen
- Terminal block for easy connection of motors
- Protection against noise and back EMF
- On-board LEDs for debugging and testing
- Berg expansion slots

Features of IR Sensors:

- Range: 20 cm
- Ambient light protection
- Easy interface with microcontroller
- On board LED to indicate logic signals
  It comes completely unassembled with instruction manual in CD.

Other Modules Worth Buying(NOT included in kit):

1. Micrcontroller : NXP 89V51RD2:1
2. Pack of Necessary IC and Electronics components:1
3. Main PCB:1
4. Sensor PCB:2
5. Aluminum Chassis:1 set
6. Castor wheel:1
7. Plastic Wheels:2
8. 5rpm,12VDC,Geared Motor:2
9. Serial Programming Cable
10. Pack of Nuts and Bolts:1
11. Instruction Manual in CD:1
12. Power Supply components
13. DPDT switches with holder plate:2
14. Manual in CD

Application Examples

- Manually controlled robot
- Automated guided vehicle
- Obstacle avoiding robot
- Edge avoiding Robot
- Wall hugging Robot
- Wired Computer Controlled Robot

URDP (Universal Robotics Development Platform)

It's a versatile Development platform designed for students and enthusiasts to implement their ideas at speed. Incorporating various sensors and actuators is a simple task with this machine Aluminum chassis gives it more load bearing capacity, while circular shape gives sleek looks. Now this machine comes with Robot Controller ,an 8051 based development board and two IR sensors with following features:

Suggested other modules worth buying:
(NOT included in Kit)

1. Cellphone control Module: To make it move by keypress command from cellphone.
2. Line Sensor Array: To make it behave as line follower or grid follower
3. Wireless Computer Control Kit: To control this machine wirelessly through computer just like your video game. This modules also allows you to control machine through voice commands.

Note: Specifications are subject to change.