



### Hexapod

6 legged member of our family, helps to cultivate programming and analytical skills. Motion of Geared servo is controlled by AVR based microcontroller development board, equipped with motor driving circuitry.

This kit comes unassembled and can be easily programmed by simple desktop computer and knowledge of embedded C.

#### Features of Robot Controller:

- Arduino based on ATmega8
- 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
- Protection against wrong polarity wiring of battery/power supply
- On-board LEDs for debugging and testing
- Berg expansion slots

#### Package Includes:

- Arduino Kit: ATmega8
- Pack of essential electronic components and ICs
- Robot Controller PCB:1
- Motor Driver PCB:2
- Powder coated Aluminum parts:1 set
- 5 rpm, 12VDC Geared Motors :12
- Plastic wheels:2
- Serial Programming Cable:1
- Connecting Cables:2
- Power supply components: 1 set
- Pack of Nuts and bolts:1
- Manual in CD

Note: Specifications are subject to change.

#### *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