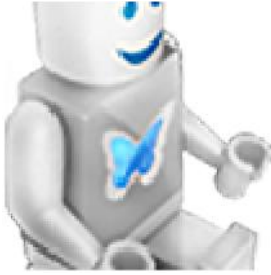


TECHNO
GRAVITY
SOLUTIONS

JUNK FUNK

Junk Funk: Workshop Details

Description



As the name suggests, it is a conglomeration of electronics, e-waste & innovation. It is a unique Workshop, one of its kind in the world where students are taught to develop, or should we INNOVATE using e-waste; basically components of CD/DVD players & cassette players. Some of its parts are used to develop electronic devices called Robots in common engineering terms.

Zipper: It is a unique device that runs on a wire. It is self-balanced and very quick; developed with a focus on future development of high-end robots for rescue operations, component transfers etc.

Craz-e: It is a small remote controlled car, which runs like mice. It runs in all 4 directions as per signals given & is very swift. It is smaller than the size of a palm with its LEDs in night vision.

This is a workshop conducted by TGS super-EXCLUSIVELY conducted by TGS only.

Kit contents



1. Introduction to robotics
2. Basic Control Systems
3. Locomotion/Mobility
4. Actuation
5. DC Motors Analysis
6. Driving tyres
7. Remote Design
8. Electricals
9. Designing
10. E-Waste utility

Duration



07 hours in total for learning and assembling.
Although the time duration can be managed according to requirements.
If a competition is required at the end, we can have that which will add another 01 hr. to the workshop.

Course contents



Components

1. DC gearless Motor – 6000 rpm
 - a. Craz-e 2x
 - b. Zipper 2x
2. Craz-e Chassis 1x
3. Zipper chassis
 - a. Motor L-fitting 2x
 - b. PCB 2x
4. Craz-e Wheels 2x
5. Caster wheel 1x
6. Zipper Grippers 2x
7. LED's – Blue – 5 mm 2x
8. Si Cells - 6 vol. 2x
9. Wire – 6 core (meter) 4x
10. Screw Connector (12 pins) 1x
11. PCB Remote + Box 1x
12. Nut & Bolts for
 - a. Motor 8x
 - b. L fitting 4x
 - c. PCB 4x
13. Batteries 2x
14. Battery Snaps 2x

Add-ons

15. LED shop 1x

Accessories

16. Wire Stripper 1x
17. 31 in 1: Screw driver Set 1x
18. CD + Cover 1x
19. Manual 1x
20. Hand drill 1x
21. Drill Bit 1x
22. DC Adaptor (12v variable) 1x

+ Packaged Carry case



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Contact us for any relevant information.