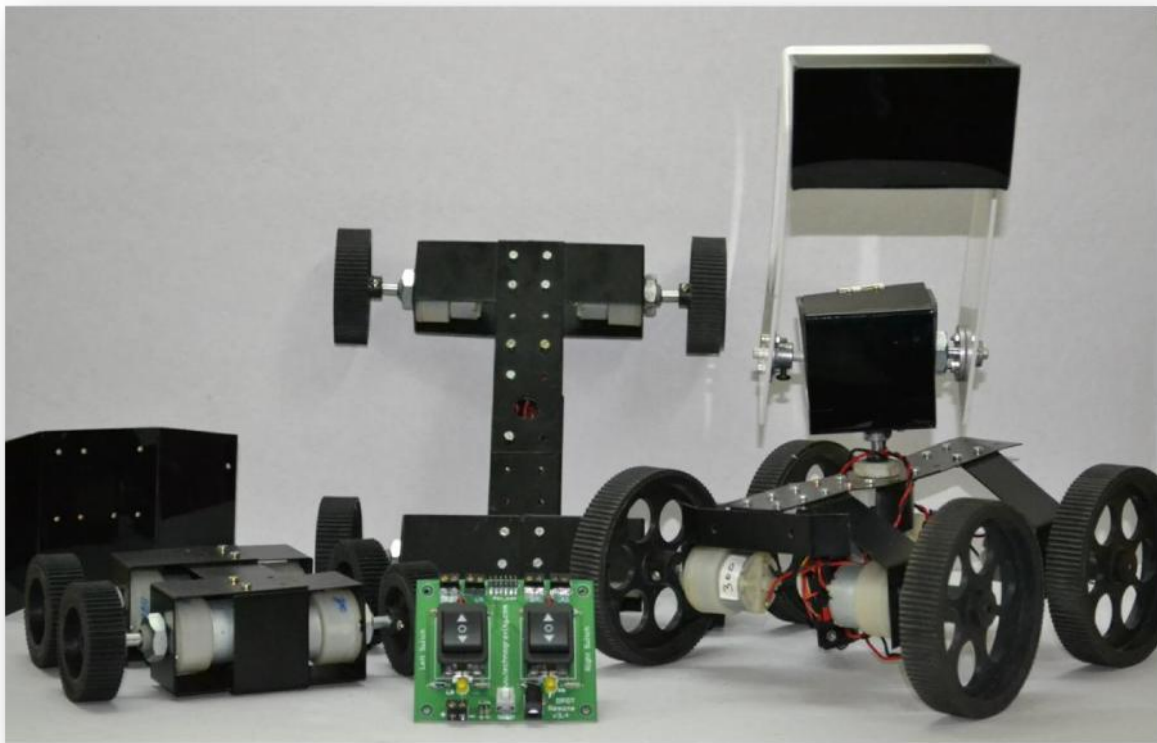


TECHNO  
GRAVITY  
SOLUTIONS

# METRIX



# METRIX – Robot using Mechanics + Electronics

## Description



Model - Myra

METRIX is a Workshop on Manually controlled Robot with many features. It is a multi-utility, feature-rich, customizable device which is educational, live operational and competitive.

Most of us may have played with remote controlled cars, but never made one. This workshop brings you closer to developing technology level products with the first step. You can play football, or use it as a Tanker, or race with other ones and many other exciting features.

We have an electrical arm which can be customized for various applications. It is a 2-axis Arm i.e. an arm with 2 degrees of freedom. The Robot also has LED night vision. (Oh my God) we have head-lights too!

Robot design involves mechanical & electronic concepts; it is unique and flexible, which can be converted into various shapes and applications. It also has loads of space for additional features.

It is an exclusive design of Techno Gravity Solutions and copyrighted. This makes your Robot distinctive among many.

## Features



- Football player
- Bulldozer
- Pick up and place
- Sumo Robot
- Racing Car
- Rickshaw
- Tumble-topple
- House Cleaner
- Spy-Bot
- Many more 😊

## Course contents



1. World of Robotics
2. Basic Control Systems
3. Locomotion & Mobility
4. Actuation & Actuators
5. DC Motors Analysis
6. Transmission systems
7. Wheels and drives
8. Remote Control Design
9. Robot Dynamics
10. Designing

## Duration



18 hours in total for learning and assembling.

Theory : Practical = 20 : 80

6 days X 3 hrs. per day i.e. 6 sessions in all

## Kit contents



Sr. no.	Kit contents	Per kit
	<b>Components</b>	
1	DC Geared Motors – 300 rpm	4
2	DC Geared Motor – 30 rpm	1
3	DC Geared Motor – 10 rpm	1
4	Wheels – 4" (o pattern)	4
5	Wheels – 2" (lines)	4
6	Chassis (Complete) + 2 addons	1
7	LED Headlights - PCB	1
8	DPDT Remote - PCB	1
9	Wire – 10 core	5m
10	Screw Connector (12 pin strip)	1
11	LS Connector (4 pin)	1
12	Nut Bolts & spacers	58
13	Battery (9v) + Snap	1
14	Coupling	6
15	Axle	1
	<b>Accessories</b>	
16	Wire Stripper	1
17	Screw driver (2 in 1/minus)	1
18	SMPS – 12 V	1
	<b>Packaging</b>	
19	Carry case - High Density Thermo	1
20	Folding Bag	1
	<b>Reference</b>	
21	Manual	1
22	CD	1



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Mumbai, India.

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Basic + add-on



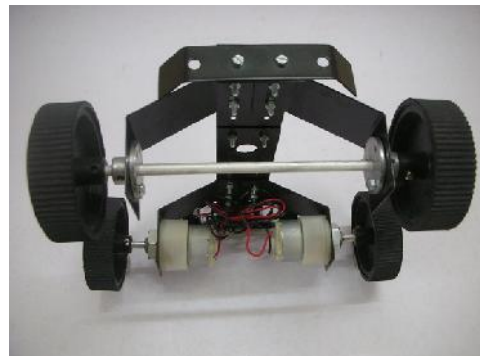
Topple



Short-e



2 wheeled



The complete Kit

