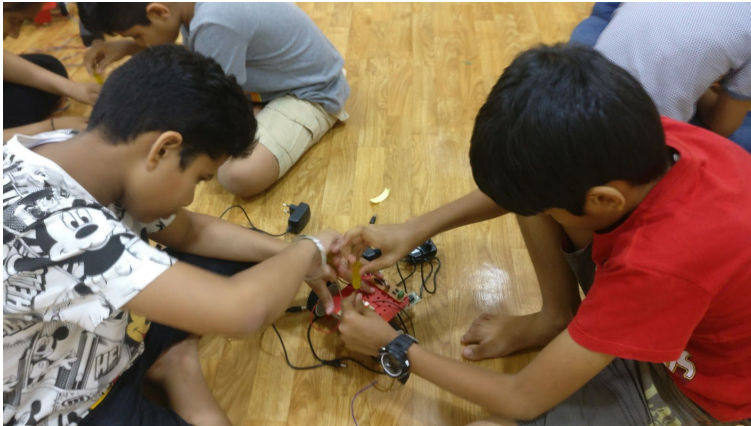


Little Engineer Camp



Hands on Practicals:

- Motor Control
- Robot Assembly
- Differential Drive
- Manual Remote Control Robot
- Wireless Remote Control Robot
- White Line Follower Robot
- Black Line Follower Robot
- Obstacle Avoider Robot
- Wall Follower Robot
- Light Searching Robot

Benefits:

- ★ In 7 days Make 7 Robots
- ★ Exclusively designed for 6th - 9th std students.
- ★ STEM(Science Technology Engineering Mathematics) learning
- ★ Carefully designed by Real Engineering and Robotics Experts.
- ★ Free Take away kit and Study Materials
- ★ Certificate of Participation

Eligibility & Requirement:

- ★ 6th - 9th standard students
- ★ Keen Mind to Learn
- ★ 2 hrs Time after school

Take Away Kit

- 1x Robot Chassis
- 2x BO Motor
- 2x BO wheels
- 1x Castor Wheel
- 1x L293D Motor Driver
- 2x IR Sensors
- 1x TSOP Sensor
- 2x LDR Sensor
- 1x RF Wireless Module
- 20x Jumper Cable
- 2x DPDT Switch
- 1x DPDT Box
- 2x Rainbow Cable
- 1x Screwdriver
- 1x Nut Bolt Spacer Pack
- 1x Power Adapter

Course Content

Day 1: Introduction to Robotics, Introduction to Motor, Current and Voltage, Motor Control, Differential Drive

Day 2: Robot Assembly, Working of DPDT Switches, Power Supplies, Wired Remote Controlled Robot

Day 3: Introduction to RF Wireless Circuits, Introduction to Motor Driver, Wireless Remote Control Robot

Day 4: Introduction to IR Sensor and Its working, White Line Follower Robot, Black Line Follower Robot.

Day 5: Wall Follower Logic and Wall follower Robot

Day 6: Introduction to TSOP Sensor and Obstacle Avoider Robot

Day 7: Introduction to LDR sensor and Light Searching Robot. Application of Robotics.