

BASIC ROBOTICS WORKSHOP

TIME

SCHEDULE

DAY 1

STARTING CEREMONY

- 10:30 AM TO 1:00 PM
- 1] Introduction of robotics
 - 2] Current technologies in robotics (VIDEOS)
 - 3] Platform used to develop robots
 - 4] Parallely distribution and installation of software
 - 5] Why choose arduino
 - 6] Introduction of arduino

1:00 PM TO 2:00 PM

LUNCH BREAK

2:00 PM TO 4:15 PM

- 1] LED interfacing with development board + LED patterns
- 2] Switch interfacing with development board
- 3] L293D motor driver IC theory

4:15 PM TO 4:45 PM

BREAK

4:45 PM TO 5:45 PM

- 1] Motor interfacing with L293D
- 2] Chassis building

DAY 2

10:00 AM TO 10:45 AM

- 1] Quick recaptulation
- 2] Different codes for Motor interfacing on chassis
- 3] Sensors and types
- 4] Introduction of IR sensor

10:45 AM TO 1:00 PM

- 1] Black line follower
- 2] White line follower
- 3] Edge avoider

1:00 PM TO 2:00 PM

LUNCH BREAK

2:00PM Till End

- 1] Obstacle avoider
- 2] If possible then serial communication

ENDING CEREMONY