

ARDUINO FOR ROBOTICS

Do you keep hearing about arduino?

What's all the fuss about it?

Wanna break the barrier and get started with robotics?

Well this workshop is for you where you get started with a classic line follower and maze solver bot.

PROGRESS:

Day 1:

- 1.BASICS OF ARDUINO.
- 2.CHASSIS BUILDING.
- 3.CONNECTIONS.
- 4.LINE FOLLOWER CONCEPT.
- 5.BUILDING A LINE FOLLOWER BOT.
- 5.MAZE SOLVER CONCEPT.
- 6.BUILDING A MAZE SOLVER BOT.
- 7.PROBLEM STATEMENT FOR THE COMPETITION.

Day 2:

- 1.ROUND 1.
- 2.ROUND 2.
- 3.CERTIFICATE DISTRIBUTION.

REQUIREMENTS:

- 1.Pen drive (formatted).
- 2.Laptop. (ELSE YOU WILL BE PROVIDED A DESKTOP, if possible)

DETAILS:

Fee: 499/- per head. This includes the registration fee of 250.

Team: Maximum of 4 per team.

- 1.People from different colleges also can form a team.
- 2.EARLY BIRD OFFER OF Rs.50/- will be reduced if the reservation is done on or before March 1.
- 3.A group discount of 5% will be given to those who are coming in groups of 10.

KIT QUERIES:

SAI: 7010848154

QUERIES AND ACCOMODATION:

MAHESH: 99401 75600

ARDUINO FOR ROBOTICS

Additional details:

This is a two days hands on workshop. The kit's cost is not included in the registration fee. Those who require the kit to work should pay separately for the kit. This kit costs Rs.1750 and those who require the kit should mail us at **mitra.mitindia@gmail.com** as soon as you register for the workshop. Reservation for this workshop should be done before March 5,2018 in order to get a kit. No kits will be provided to work with, if you have registered but not mailed us, or registered after 5th,March. The kit contents are listedbelow, so even participants can bring their own components, but make sure that it works.

Note:

Snacks will be provided.

The participants are requested to arrange for lunch on their own.

If the components that participants bring doesn't work, they are responsible for it.

If you want us to provide the kit, mail us before March 5.

CERTIFICATION:

1.CERTIFICATION FOR HAVING BUILT A BOT.

2.CERTIFICATION OF EXCELLENCE (If your team wins the competition on Day 2)

KIT QUERIES:

SAI: 7010848154

QUERIES AND ACCOMODATION:

MAHESH: 99401 75600

ARDUINO FOR ROBOTICS

KIT Contents:

Chassis
Wheels-2
Wires
Wire cutter
Screwdriver
Rechargeable Battery 12V
12V Battery adaptor
Arduino Uno
IR (5-array) sensor -1
Breadboard
Stepper Motors(90 rpm)-2
L293D motor driver IC - 2
Voltage Regulator 7805 - 2
Resistors 1k ohm -5
leds-5
Buzzer small-1
Slide switch-1
Multimeter-1
Metal rods-2
Castor Wheel -1
Jumper wires (Male to Male-15 ,Male to female-15)
Arduino power supply cable

KIT QUERIES:

SAI: 7010848154

QUERIES AND ACCOMODATION:

MAHESH: 99401 75600