

PRODYOGIKI '19

Roboholics Workshop

Nowadays smartphones can be used to control a host of electrical and electronic devices including motors, music systems and lights. Here we present an Arduino based robot car, which can be controlled using an Android smartphone. This bot receives commands from your smartphone with the help of a Bluetooth module and will move according to the command.

What you'll be taught in the workshop:

- Mechanical working of the robocar.
- Use of Arduino in controlling the robocar.
- Wireless control of robocar through smartphone.
- Assembling the robocar kit.
- Multiple uses of the robocar.

What you'll need to attend the workshop:

- You can come with a team of yours. At most 5 members can be in the team.
- The workshop is free for anyone to attend.
- Bring your laptops along with yourself. At least one laptop per team is mandatory.
- If you need the kit, you'll have to pay Rs.2000 for the kit.

Kit Content:

- Robot Chassis
- DC motors
- 12V battery
- Wheels
- DPST switches
- Arduino Uno
- Bluetooth module-HC05

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- Motor driver
- Jumper wires
- Screw driver
- Mechanical gripper