

## Institutional level Question

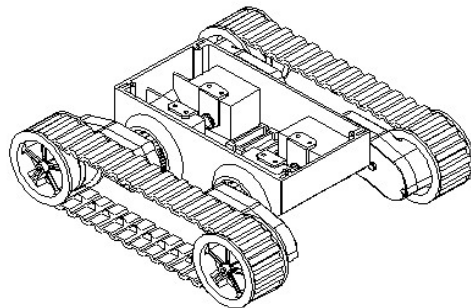
Design and Fabricate a mobile pick and place robot.

The robot shall have wheels to move. It should have an arm to pick and place an object. The controlling shall be by using a remote.



Materials required

1. wheeled Robot Chassis with motors



2. Arm
3. Gripper / End effectors and its motor
4. Sensors(ultra sonic)
5. Programmable controller (Arduino uno board)



6. PS2 Wireless Remote
7. Battery and power source

Required Tools

1. Screw drivers
2. Pliers/Spanner

3. Wire cutter and stripper
4. Soldering iron, solder wire etc.
5. Other basic tools

<http://robokits.co.in/robots/pick-and-place-robot-kit/robobox-pre-programmed-pick-place-rc-auto-robot-diy-kit?cPath=10&>

[http://www.rhydolabz.com/index.php?main\\_page=index&cPath=155\\_161](http://www.rhydolabz.com/index.php?main_page=index&cPath=155_161)

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