



CAR CRASH DETECTION

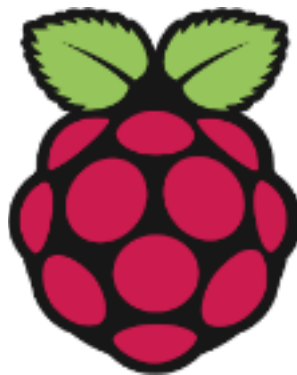
USING RASPBERRY PI

PROJECT MANUAL

EL Group 23

EL 214 : ANALOG CIRCUITS

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HOW TO OPERATE -

1. Connect the raspberry PI Power supply to a 5V USB Adapter or your laptop USB
2. Connect the Raspberry Pi to your Router or a proper network so that an IP Address is assigned to it.
3. Go to terminal in your Linux Laptop and type -
 - a. `ssh pi@yourIPAddress`
4. The password is *raspberry*
5. After the prompt comes from the raspberry pi, type the following command in the terminal.
 - a. `Python sensorWithPIRWithMotor.py`
6. After the rotation is complete, you can see the photos by taking out the SD Card and opening them in your mobile or laptop.

TROUBLESHOOTING

In case the model is not working -

- Check whether all connections are secure and all pins are connected as per the diagram shown in the report.
- Check the power supply.
- Ensure that nothing is stopping the motor from moving.

