

Python - II

(Hardware Requirements of Project)

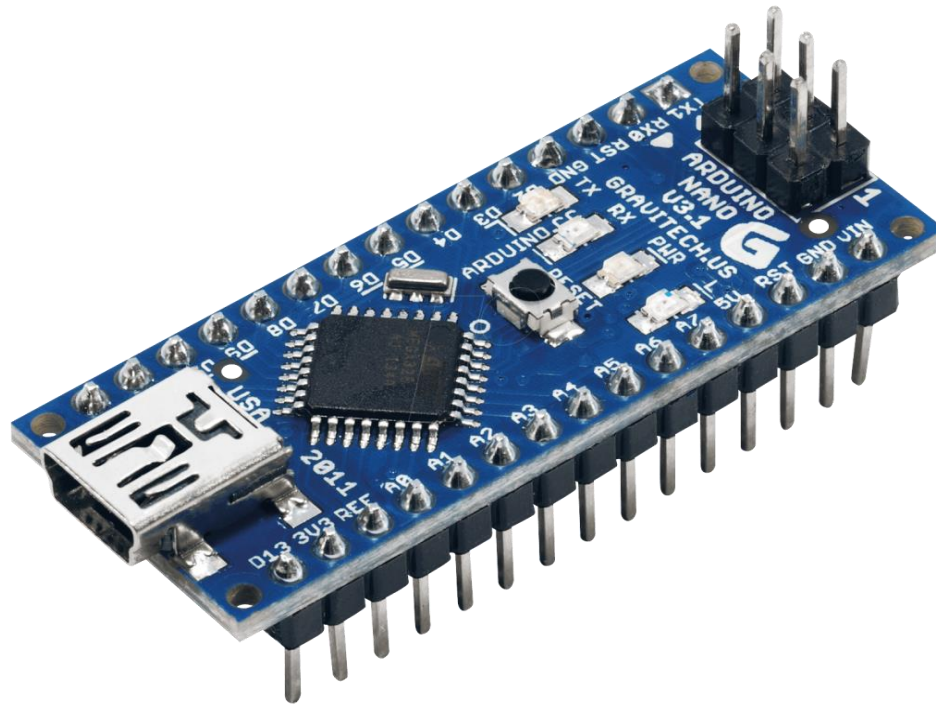
Lecturer Syed Umaid Ahmed

Note:

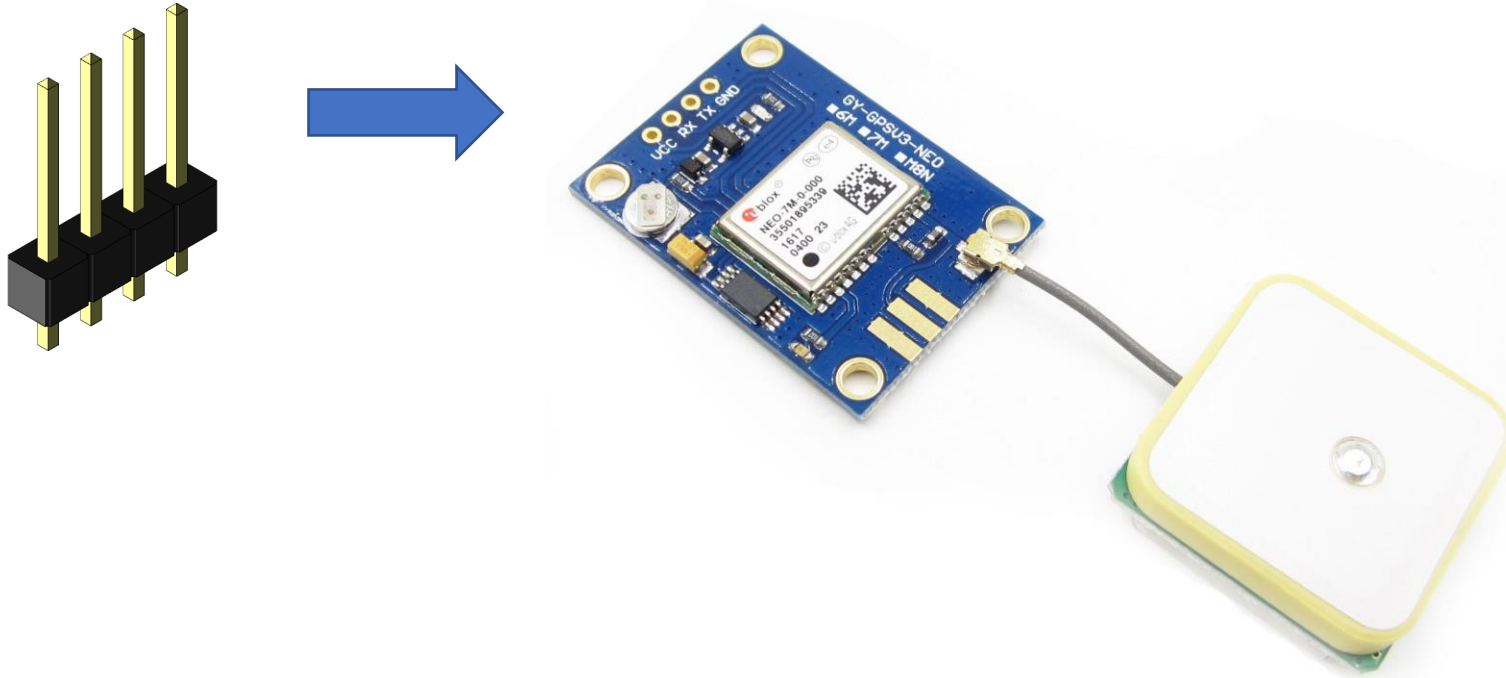
- ☐ Each group consists of three members
- ☐ All the stuff would be purchased by the students
- ☐ Any help required would be provided
- ☐ The project should be submitted for evaluation and then returned
- ☐ The timing duration should be 30 days and total marks would be 20



1. Arduino Nano (Legs Sold) with USB Cable

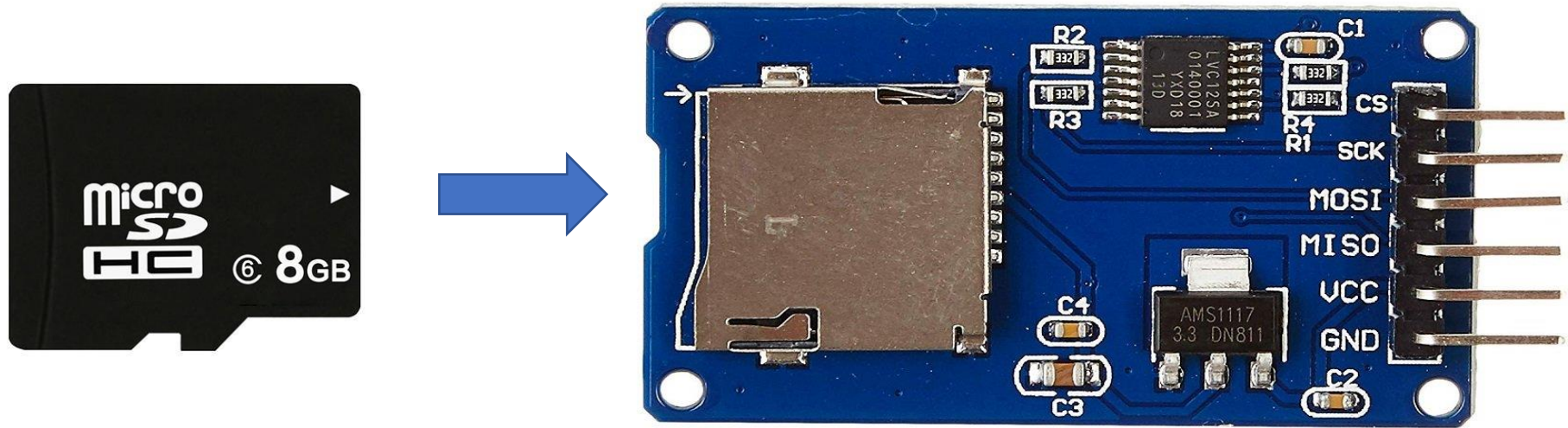


2. NEO-7M GPS Module with Antenna

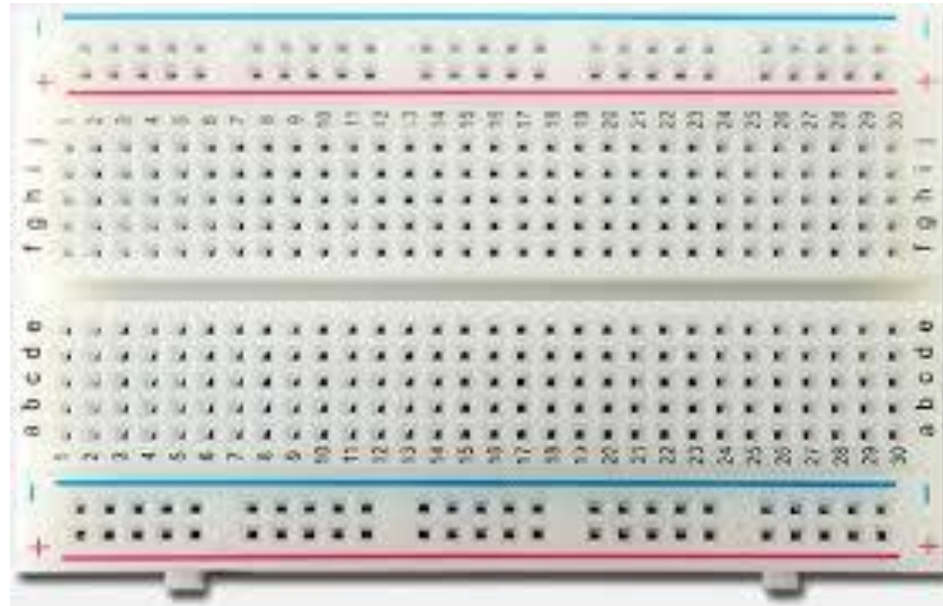


Legs (Pins) should be Soldered with Soldering Iron

3. Micro SD Card Module & SD Card (1 GB or 2GB cheap cards can also be used)

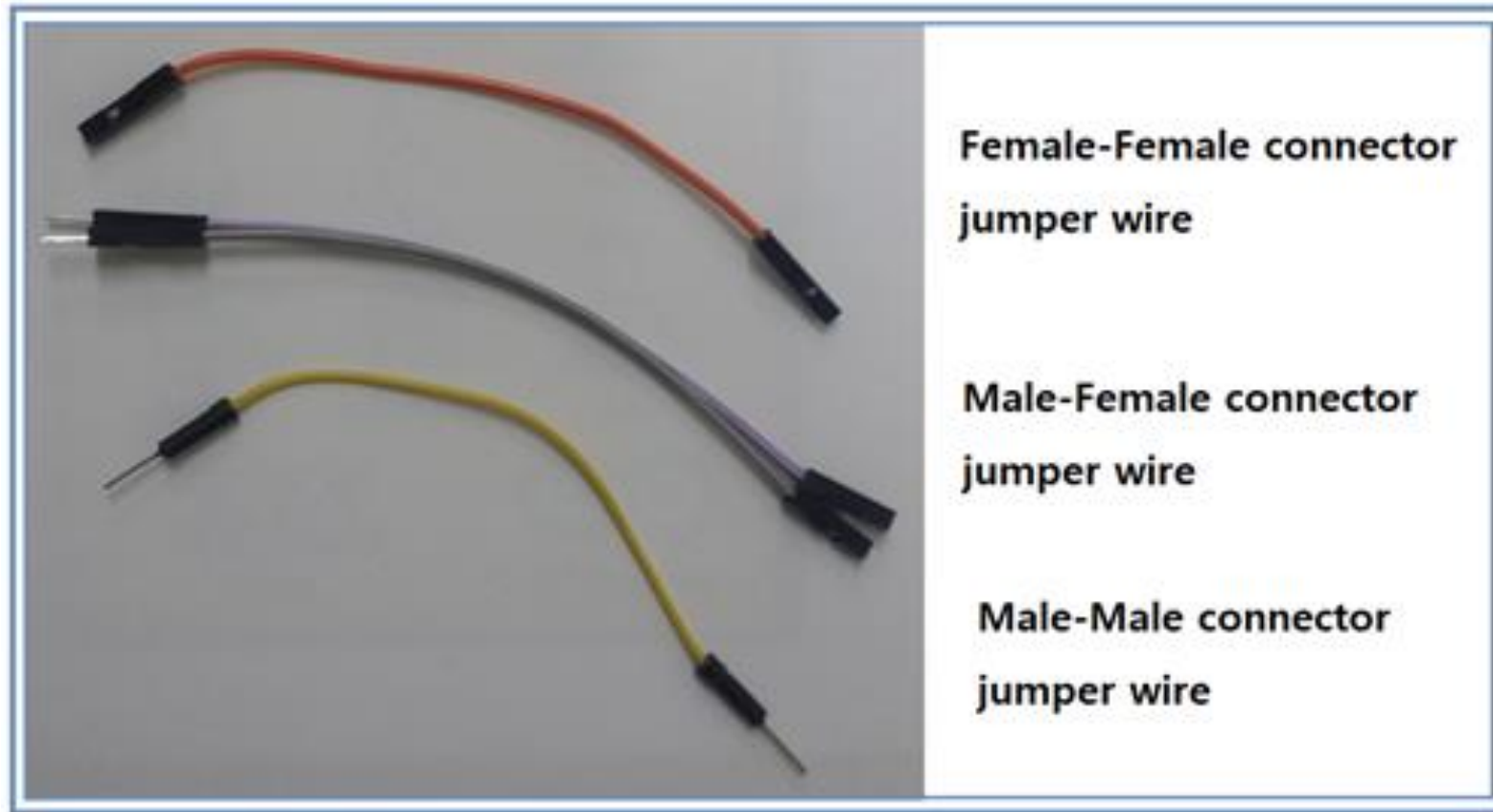


4. One LED, 330 Ohm Resistor and Breadboard



330 ohm

5. Jumper Wires Small Size (Male to Female only 10) & Male to Male (10) Female to Female (5)



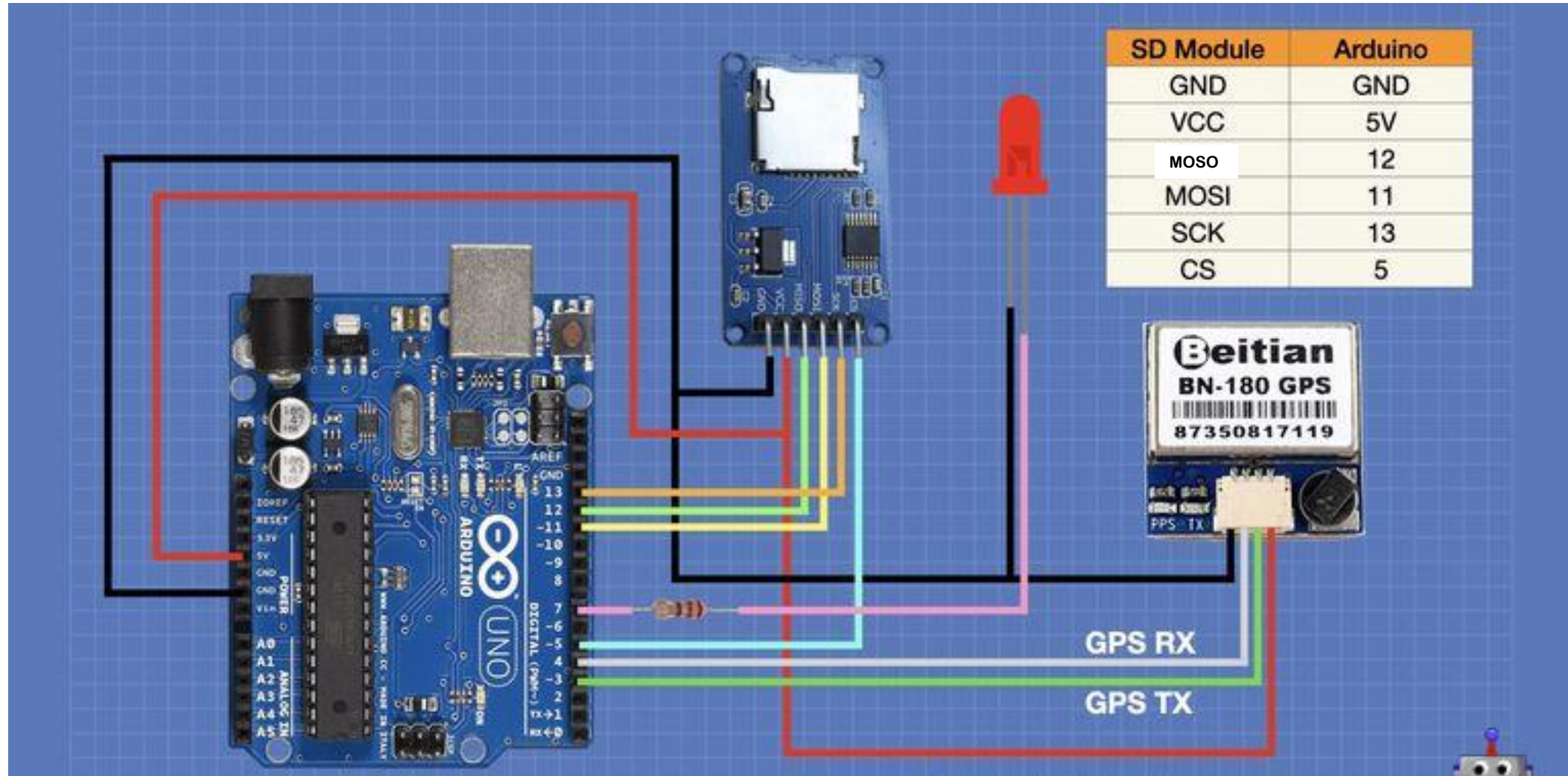
6 & 7. Good Quality Power Bank and Any Plastic Box



8. SD Card Reader (One)



CIRCUIT DIAGRAM



Bill of Materials

1. Arduino with Data Cable	800
2. GPS Module NEO 6M	900
3. SD Card Module	100
4. SD Card local (2GB or 4 GB)	300
5. Jumper Wires (Male to Female) (Female to Female) (Male to Male)	100
6. Small Breadboard, One LED & One Resistor	100
7. Two Battery Clips	40
8. Good Quality Plastic Box	10
9. Power Bank of Good Quality	500
10. SD card Reader USB 2.0	50

Total Cost = 3000

Purchase from any shop, Nearby is shop beside Sir Syed University, General Electronics.
Far is Saddar and Co-operative Market