PROJECT: TEMPERATURE & HUMIDITY READING USING RASPBERRY PI

GROUP 1

STEPS:

- CONNECTED MOUSE, KEYBOARD & POWER TO RASPBERRY PI
- RE-WROTE RASBIAN OS
- INSTALLED PYTHON
- INSTALLED REQUISITE MODULES
- WROTE PYTHON SCRIPT FOR TEMPERATE & HUMIDITY
- CONNECTED DHT11 SENSOR TO RASPBERRY PI
- RE-POWERED RASPBERRY PI
- RAN PYTHON SCRIPT TO EXTRACT REQUIRED RESULTS

ISSUES FACED:

- INITIALLY, RASPBERRY PI OS WAS CORRUPT. ACCORDINGLY, WE INSTALLED THE NEW OS ON THE SD CARD AND PLACED IT BACK IN.

- SECONDLY, THE POWER SUPPLY WASN'T SUFFICIENT DUE TO THE AVAILABLE ADAPTER AND THE NUMBER OF DEVICES CONNECTED TO IT. THE WIFI ADAPTER KEPT DISCONNECTING AND CAUSED ISSUES WHILE DOWNLOADING MODULES.

- THE DIFFERENCE BETWEEN THE PIN CONFIGURATION OF PI 2 AND PI 3. INTERNET RESOURCE FOR PI 3 WAS AVAILABLE WHILE WE WERE USING PI 2.

- ISSUE WITH INSTALLATION OF MODULES. WE WERE INSTALLING MODULES ON PYTHON2 WHILE RUNNING THEM ON PYTHON3.