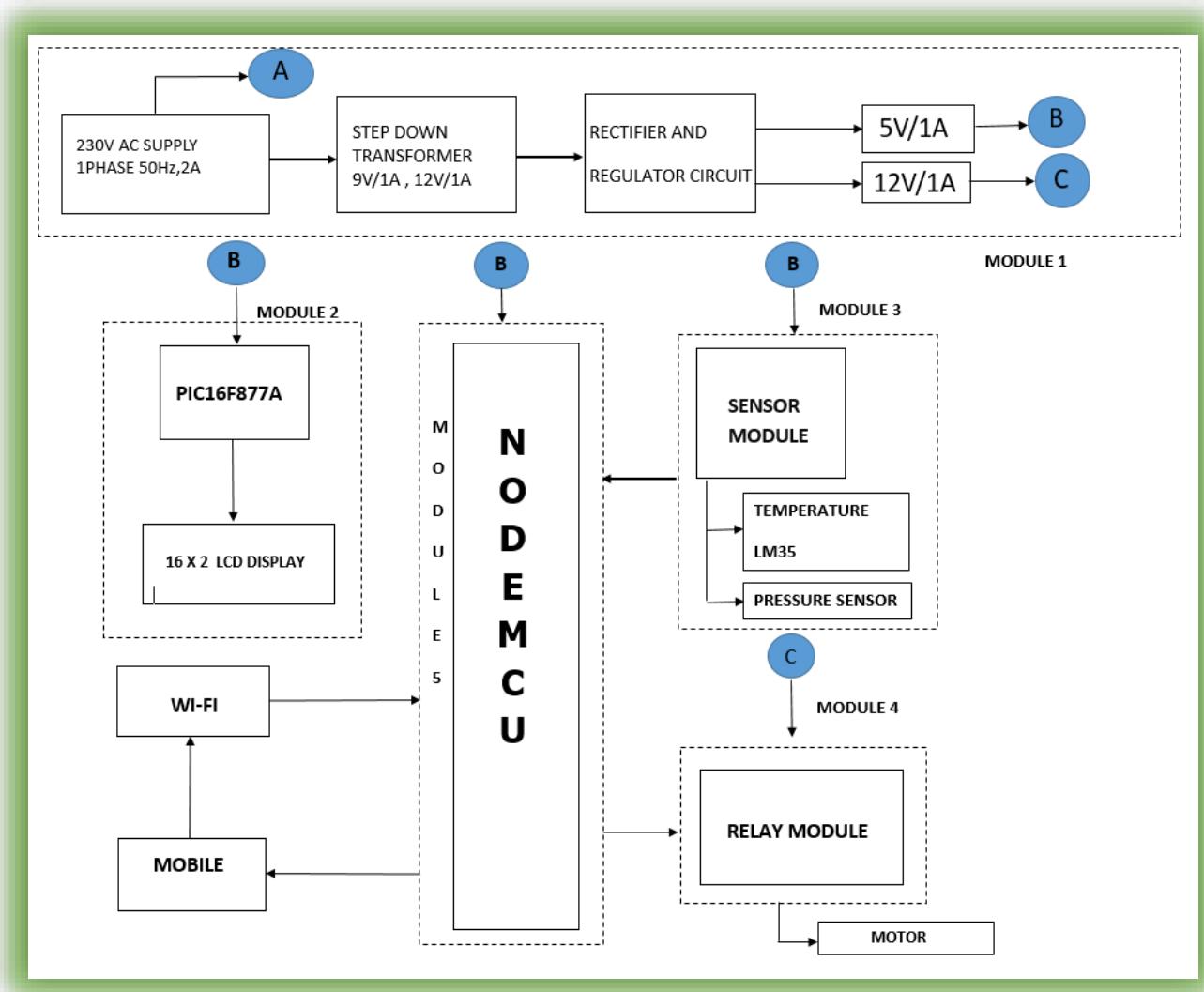
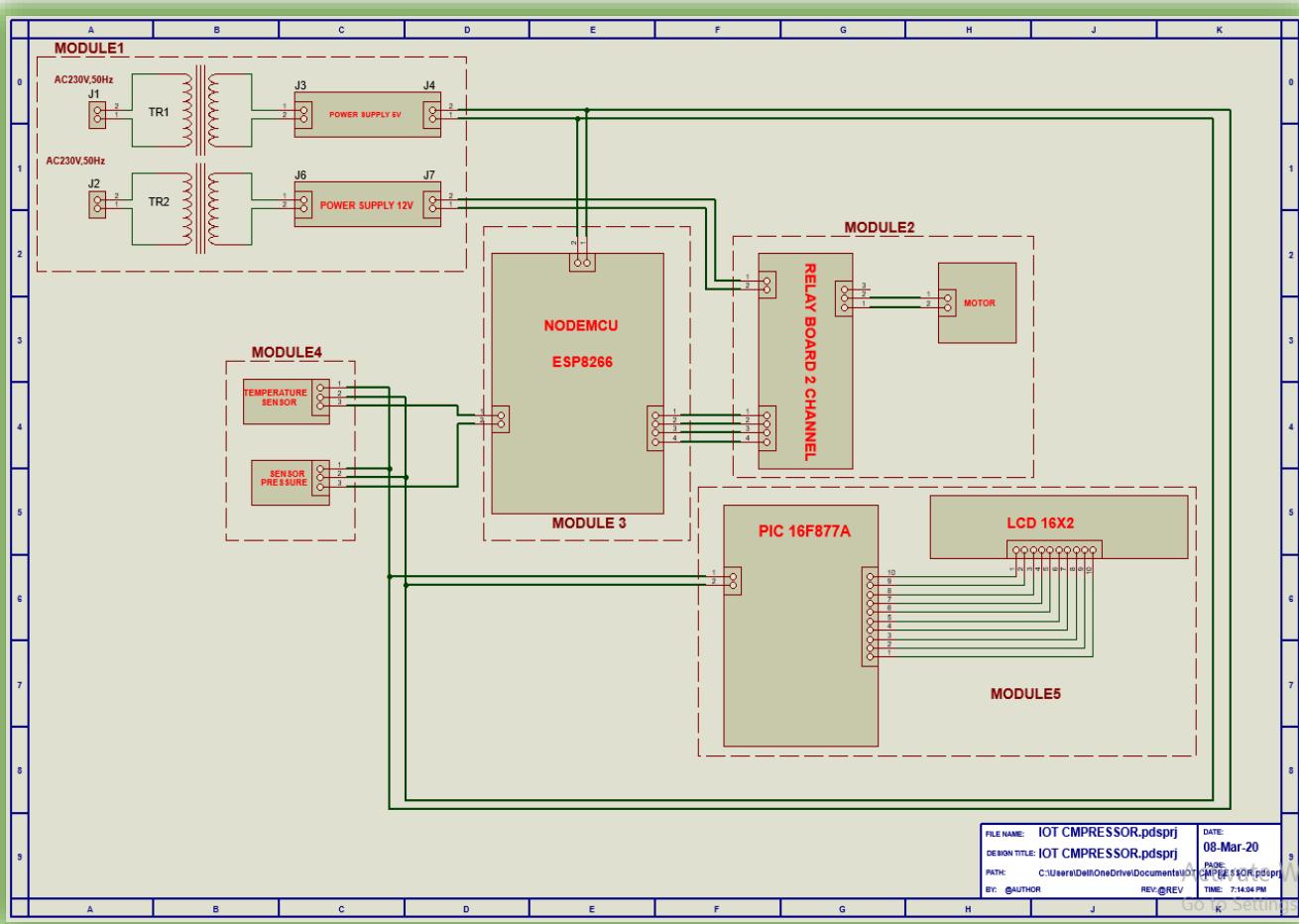


“IoT-Based Smart Compressor Monitoring & Control System”

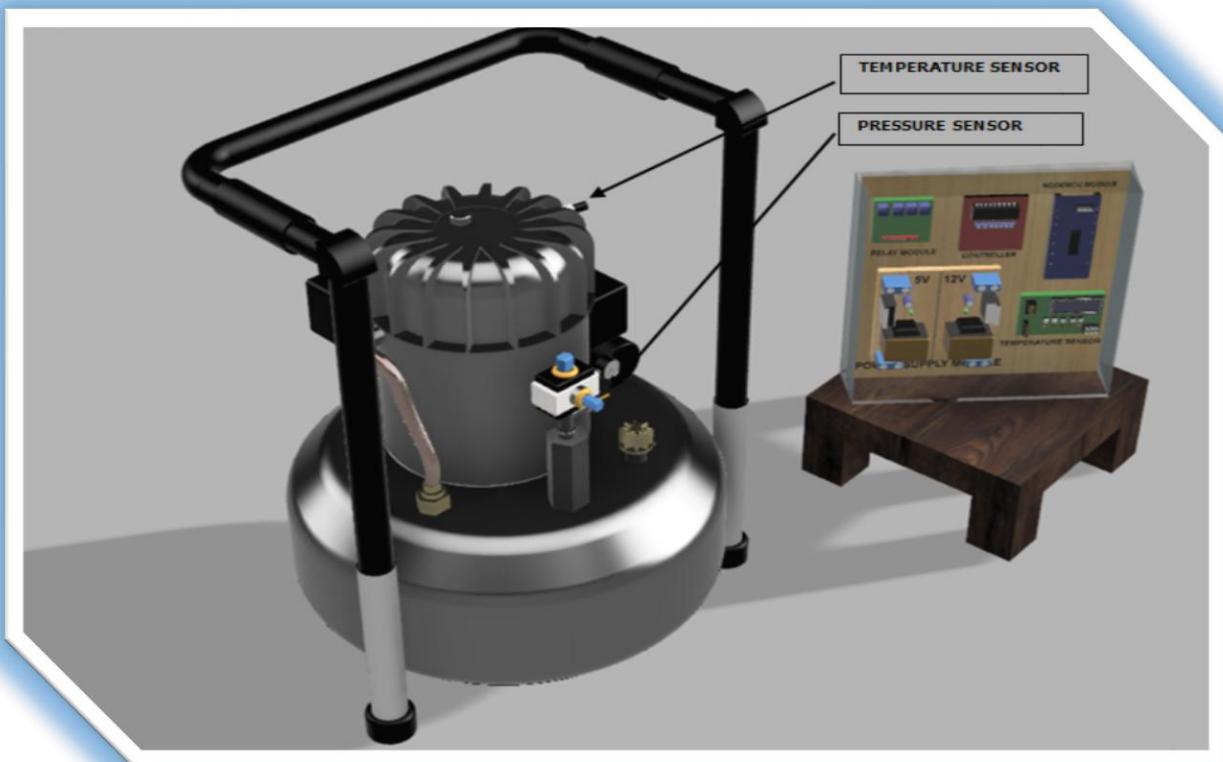
MODULAR BLOCK DIAGRAM



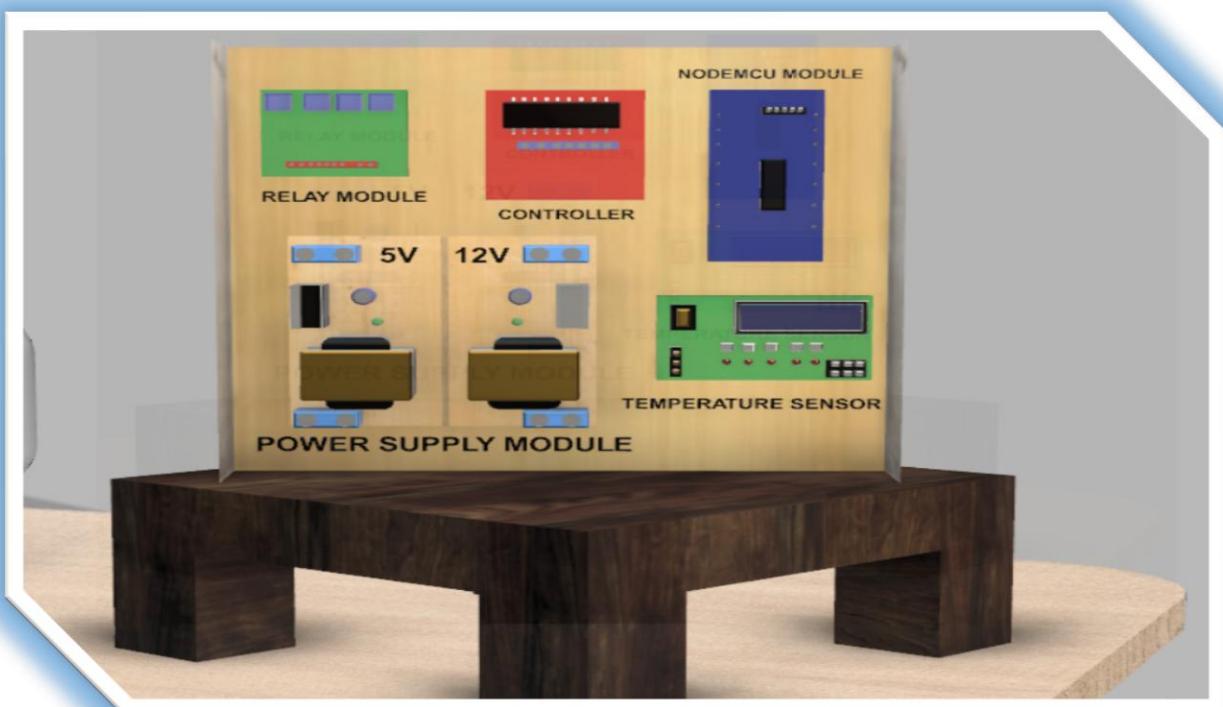
INTER CONNECTION DIAGRAM



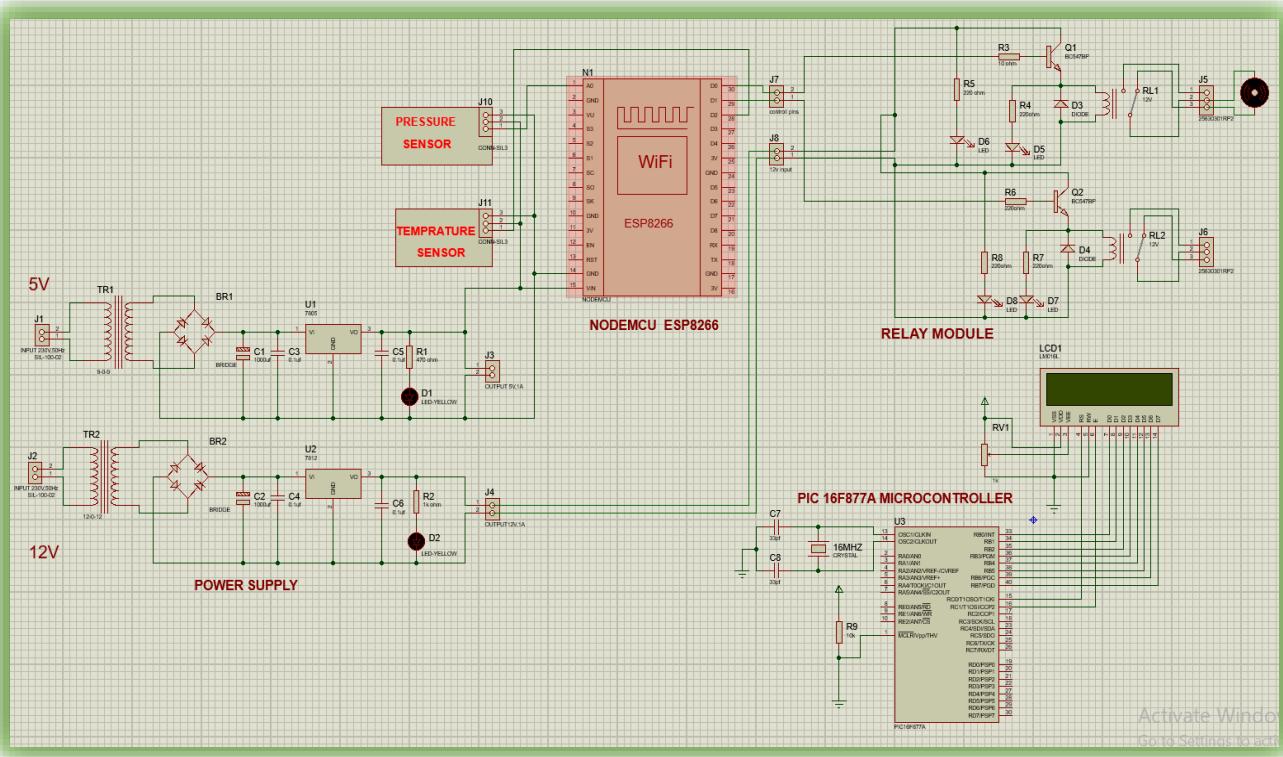
HARDWARE LAYOUT – 3D



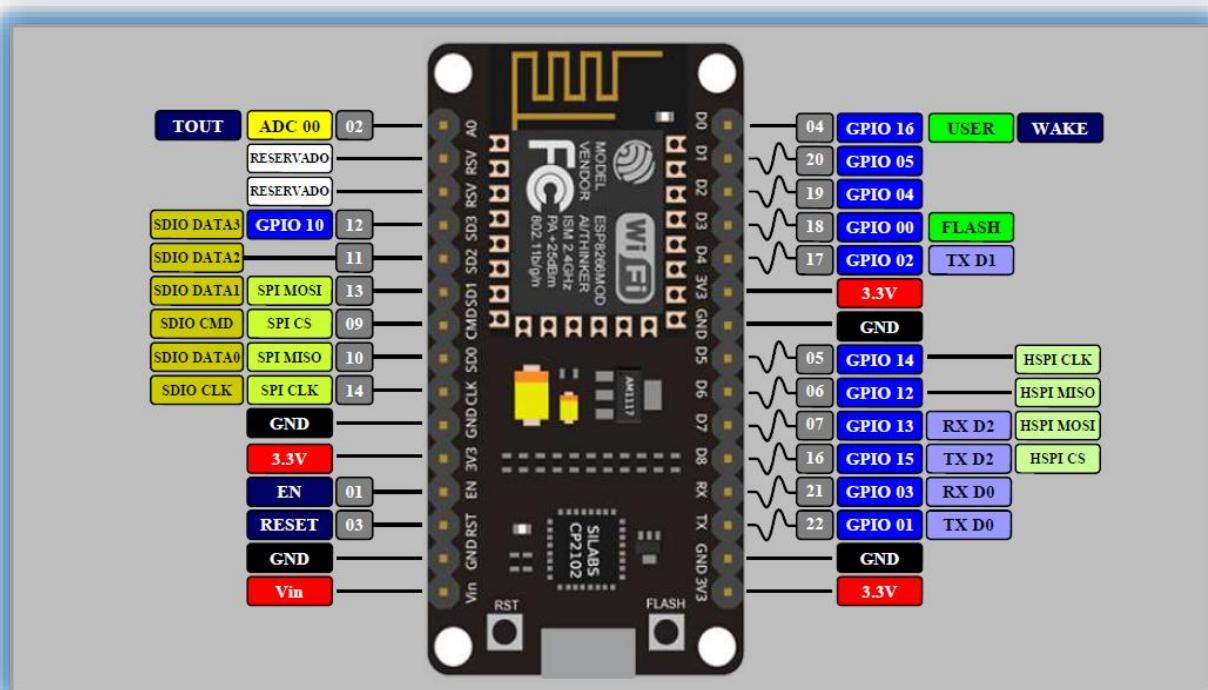
CONTROL PANEL



SCHEMATIC DIAGRAM:

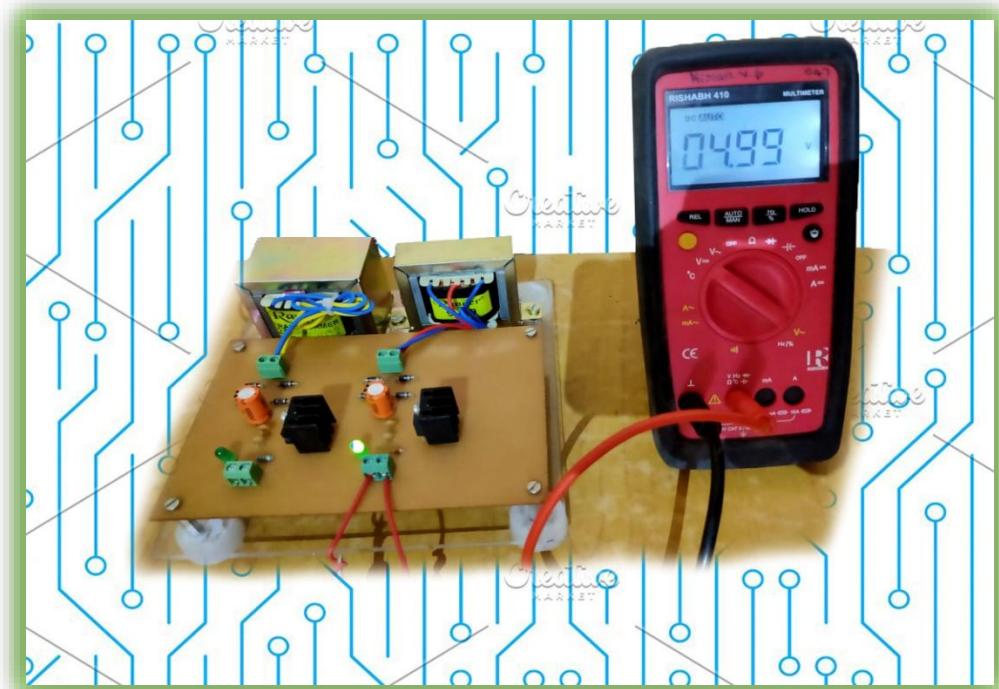


PIN DIAGRAM OF NODEMCU:

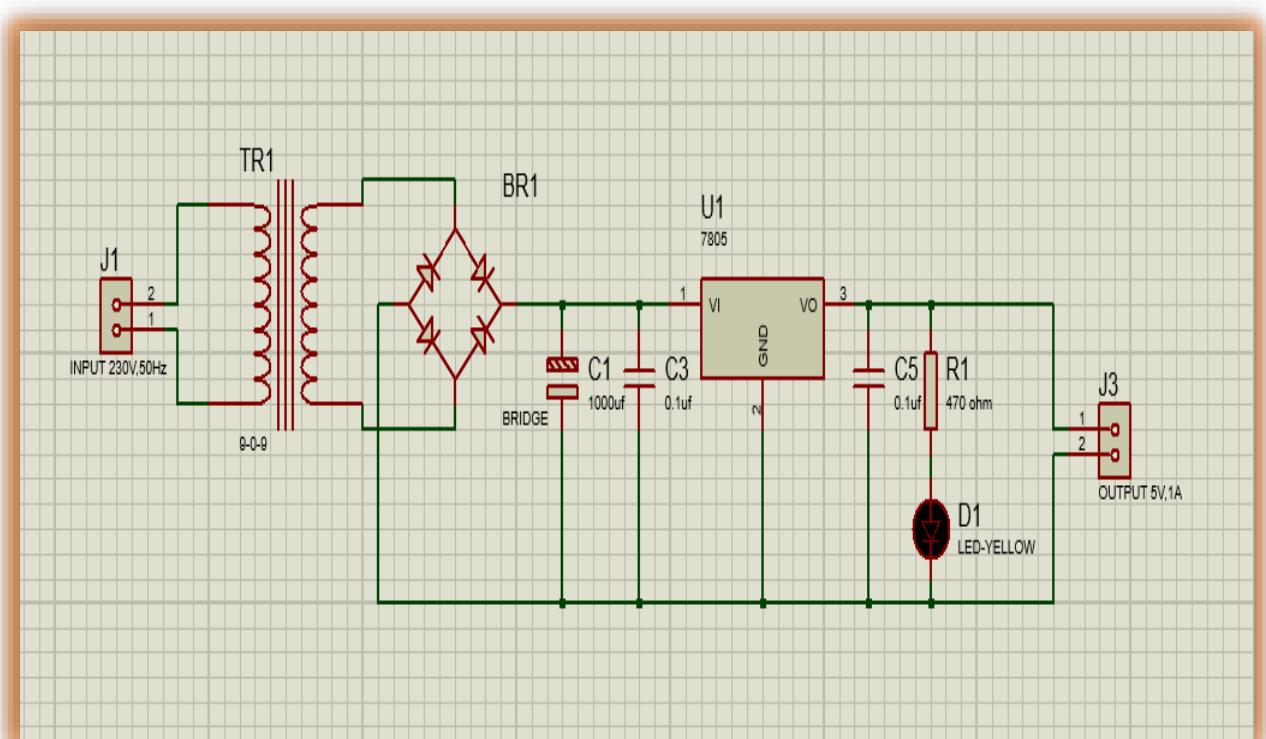


POWER SUPPLY

5V-POWER SUPPLY:



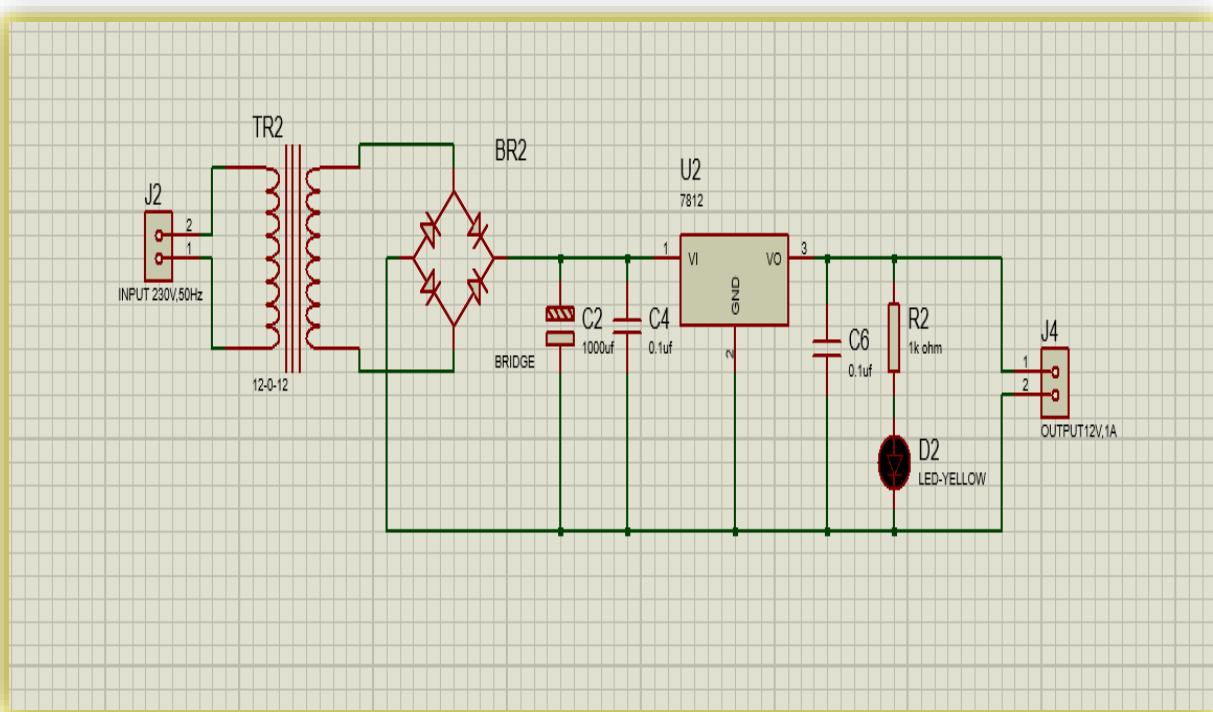
CIRCUITE DIAGRAM OF 5V.1A POWER SUPPLY:



12V POWER SUPPLY

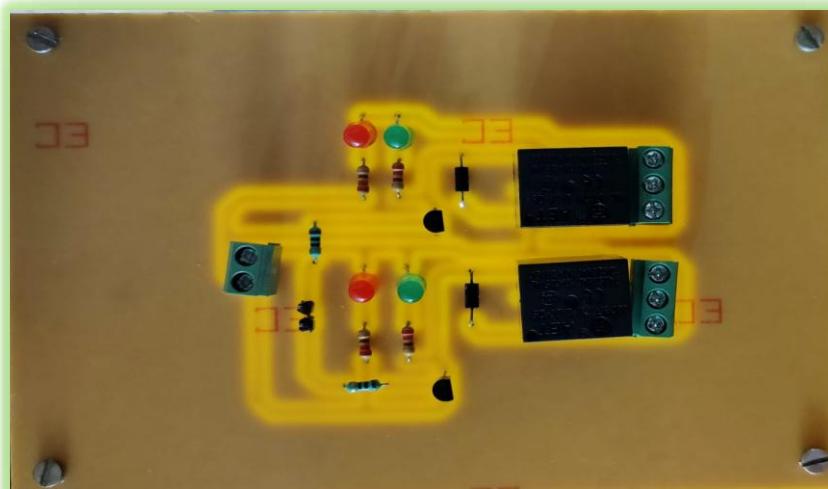


CIRCUITE DIAGRAM OF 12V.1A POWER SUPPLY:

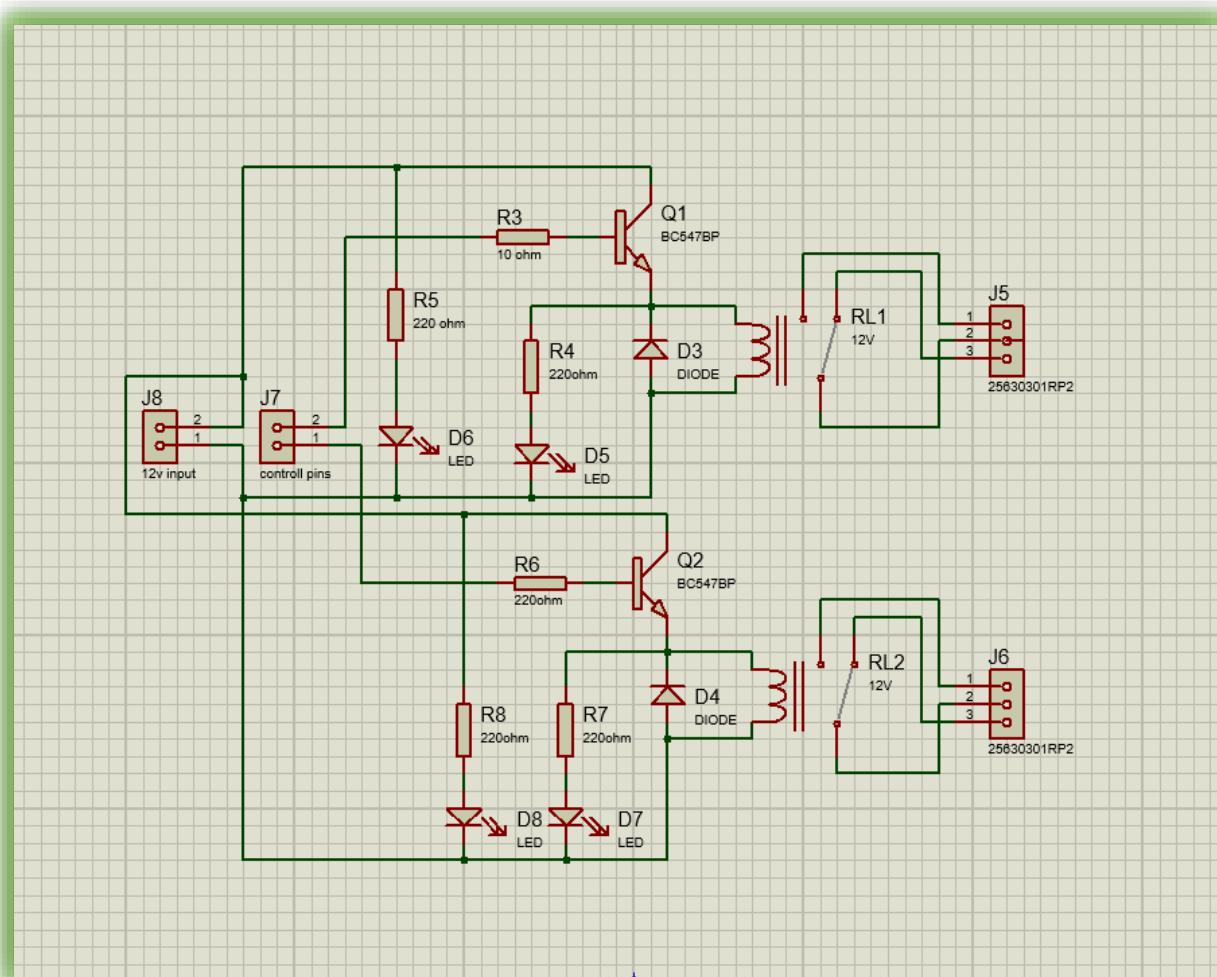


CHANNEL RELAY

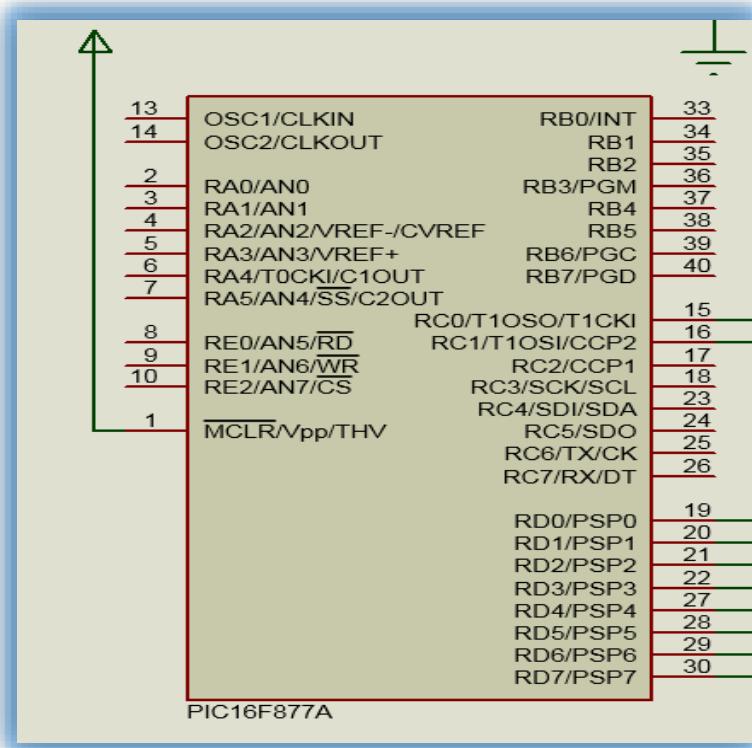
8-CHANNEL RELAY:



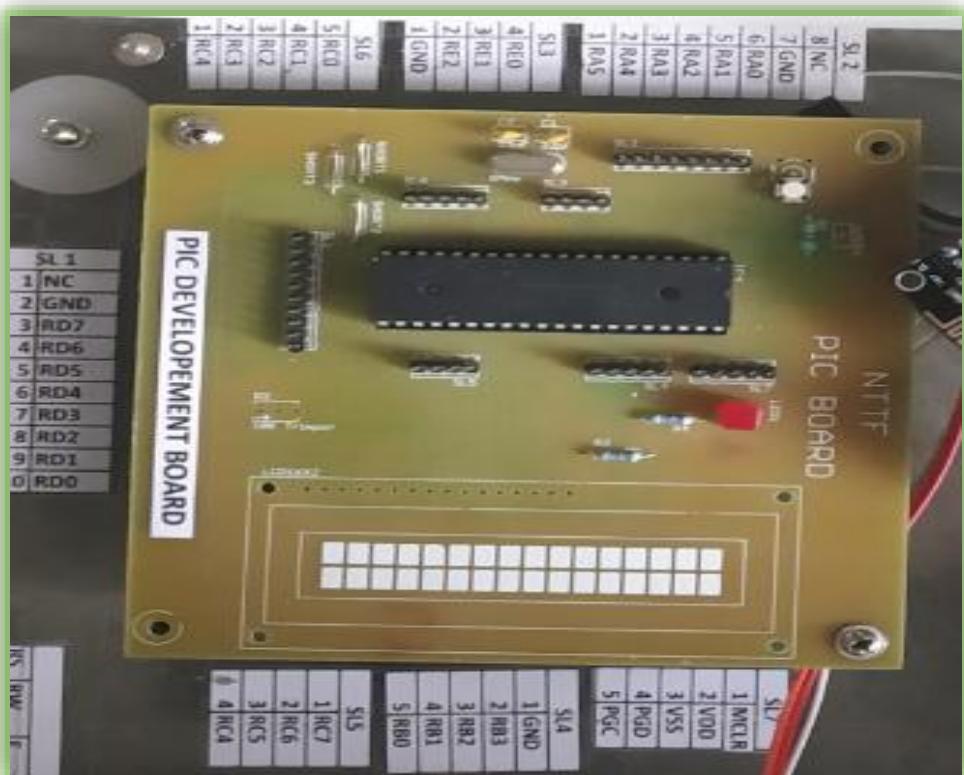
CIRCUIT DIAGRAM OF 2CHANNEL RELAY BOARD:



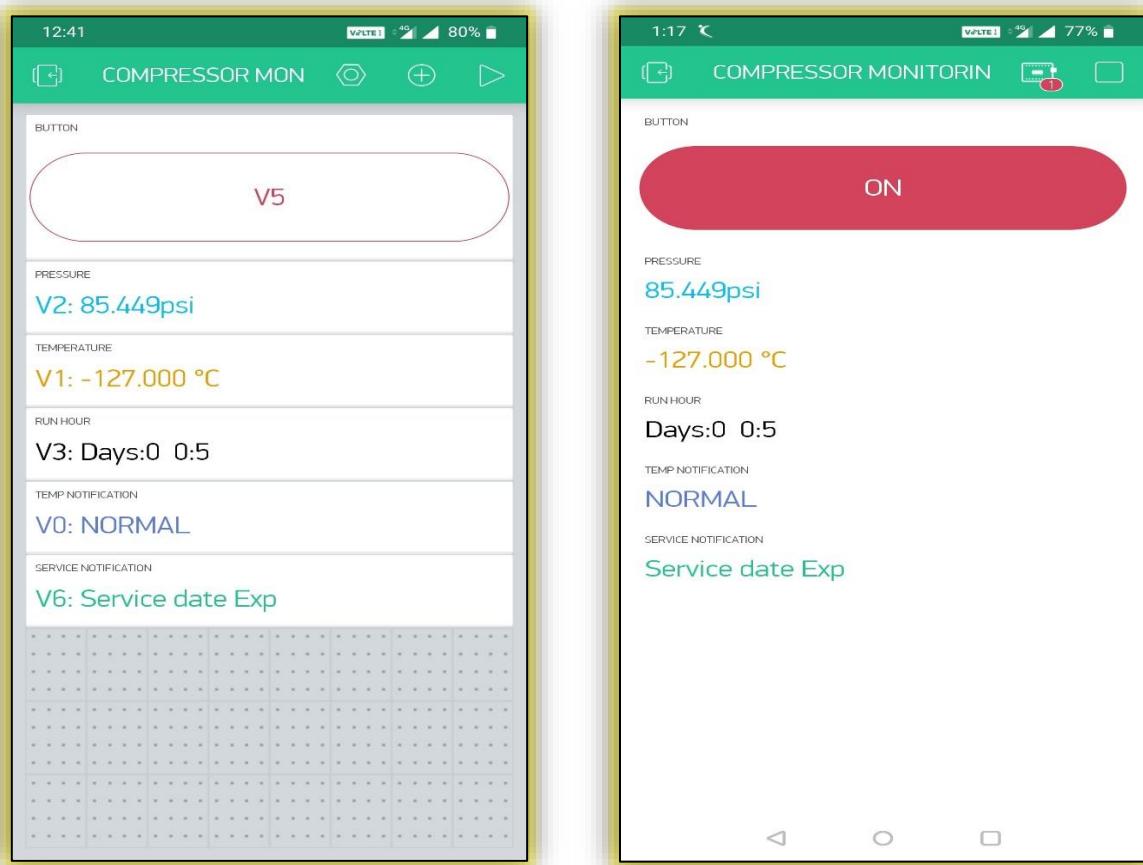
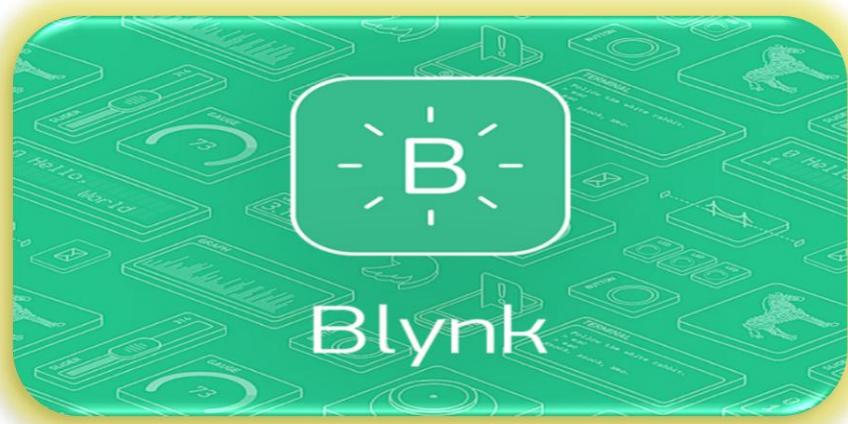
PIC (Peripheral Interface Controller) DEVELOPMENT BOARD



PIC DEVELOPMENT BOARD



BLYNK APP DESIGN OF OUR PROJECT



THINGSPEAK

- Thing Speak is a popular platform used in Internet of Things (IoT) projects to **collect, visualize, and analyse live data streams in the cloud**.
- It is particularly valuable because it allows users to build IoT systems and perform advanced data analytics without needing to set up their own servers or develop complex web software

