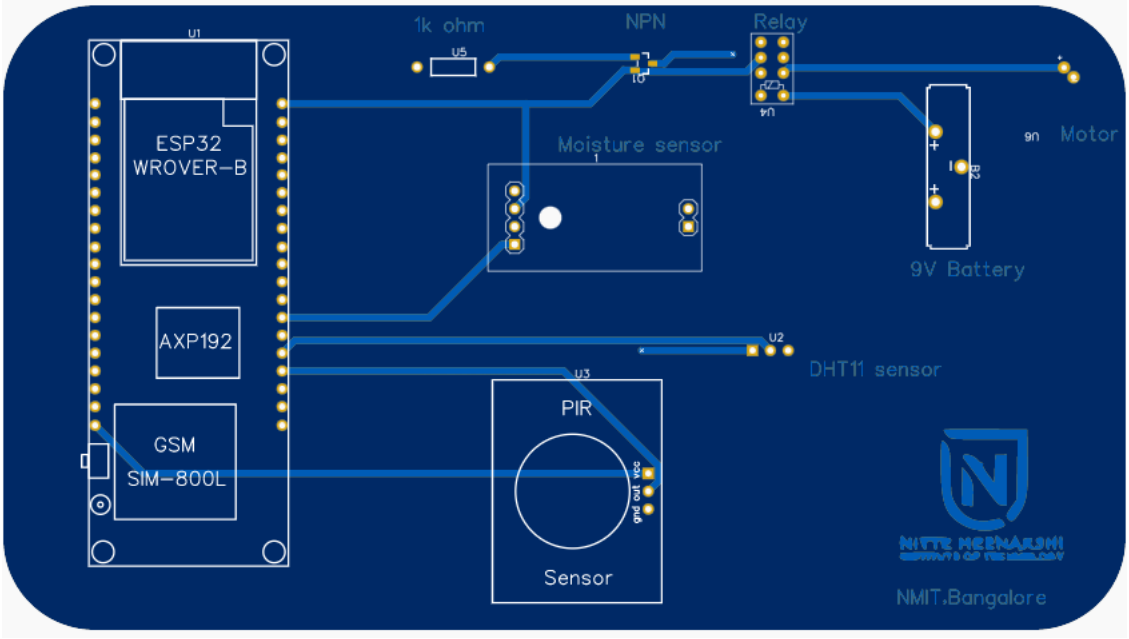
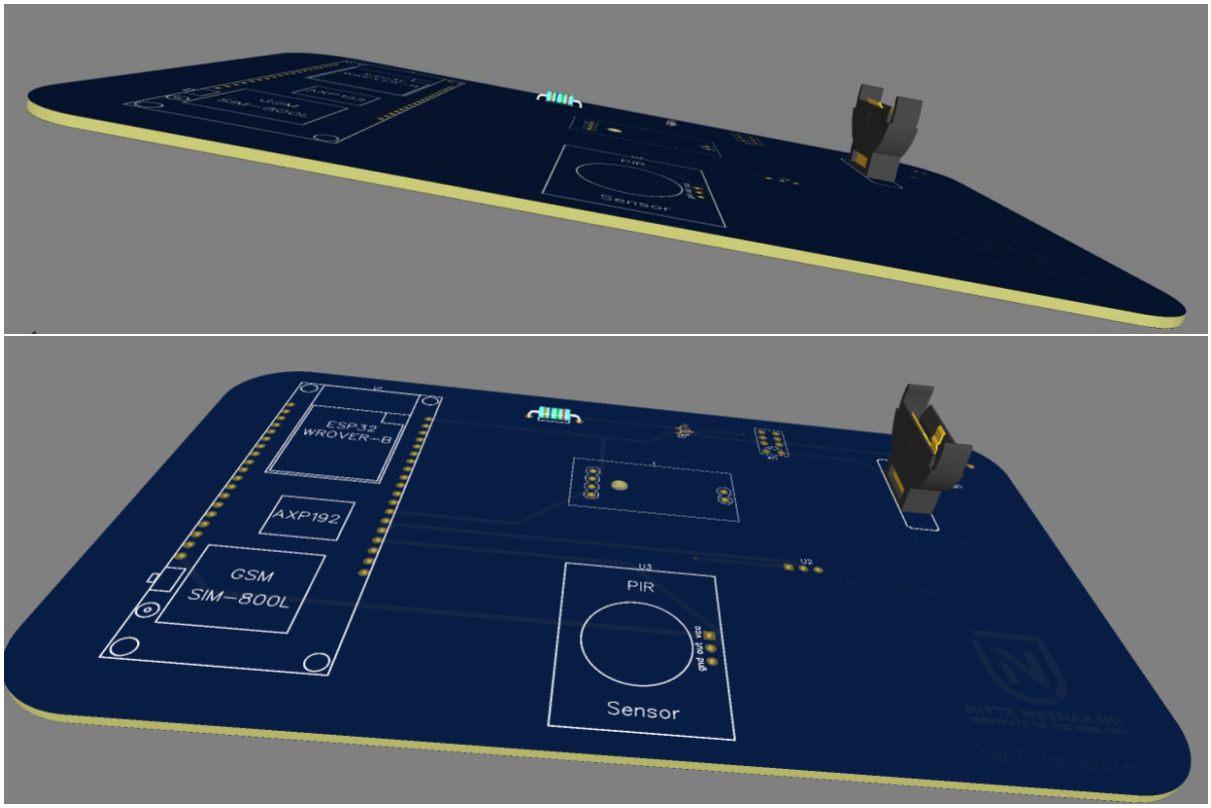
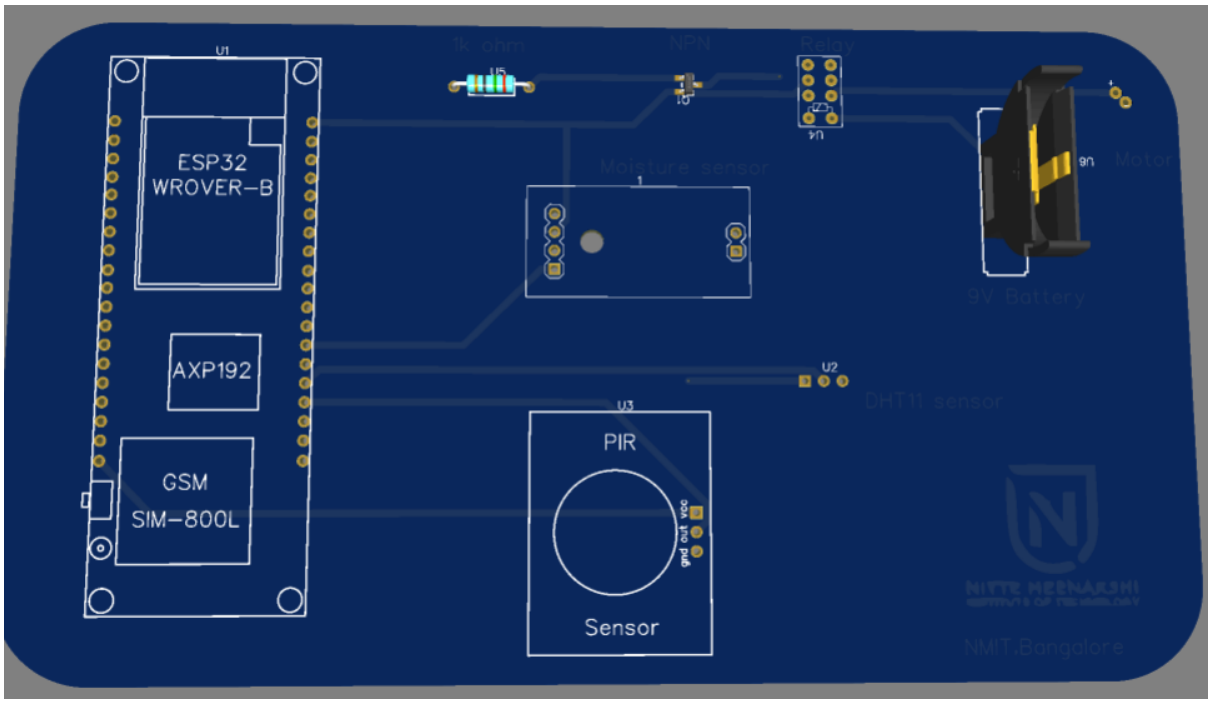
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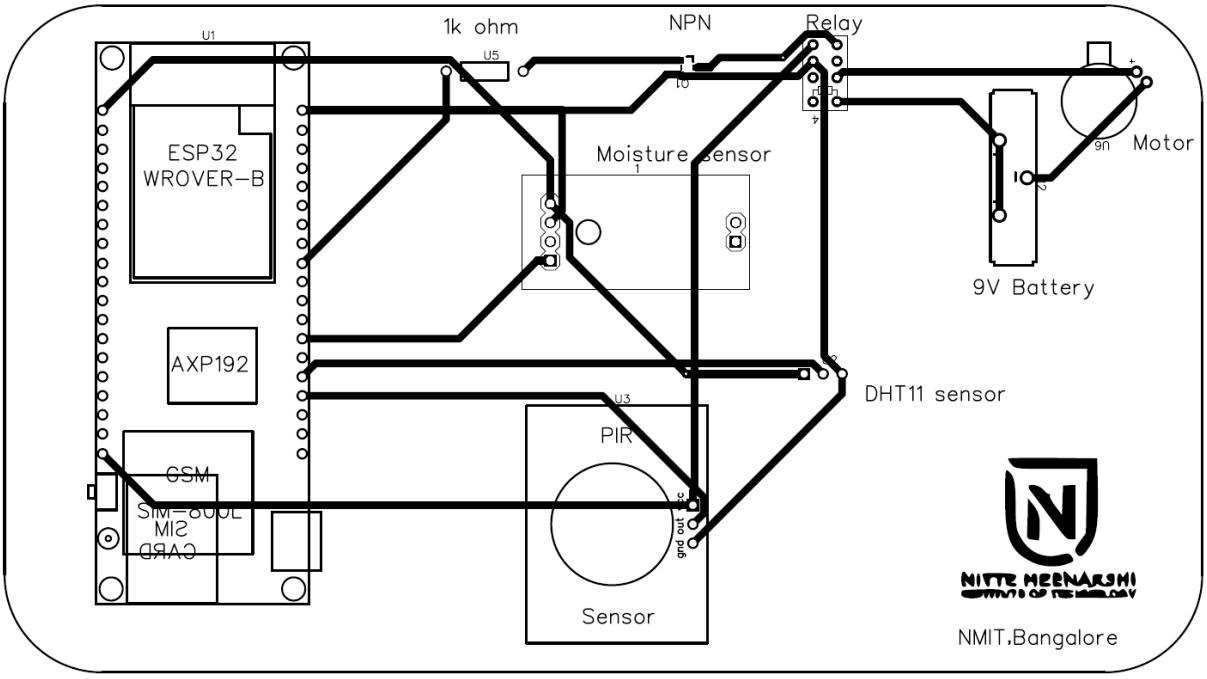

1k ohm
NPN
Relay
Moisture sensor
Motor
9V Battery
ESP32
WROVER-B
AXP192
GSM
SIM-800L
DHT11 sensor
PIR
Sensor
NMIT,Bangalore

D:

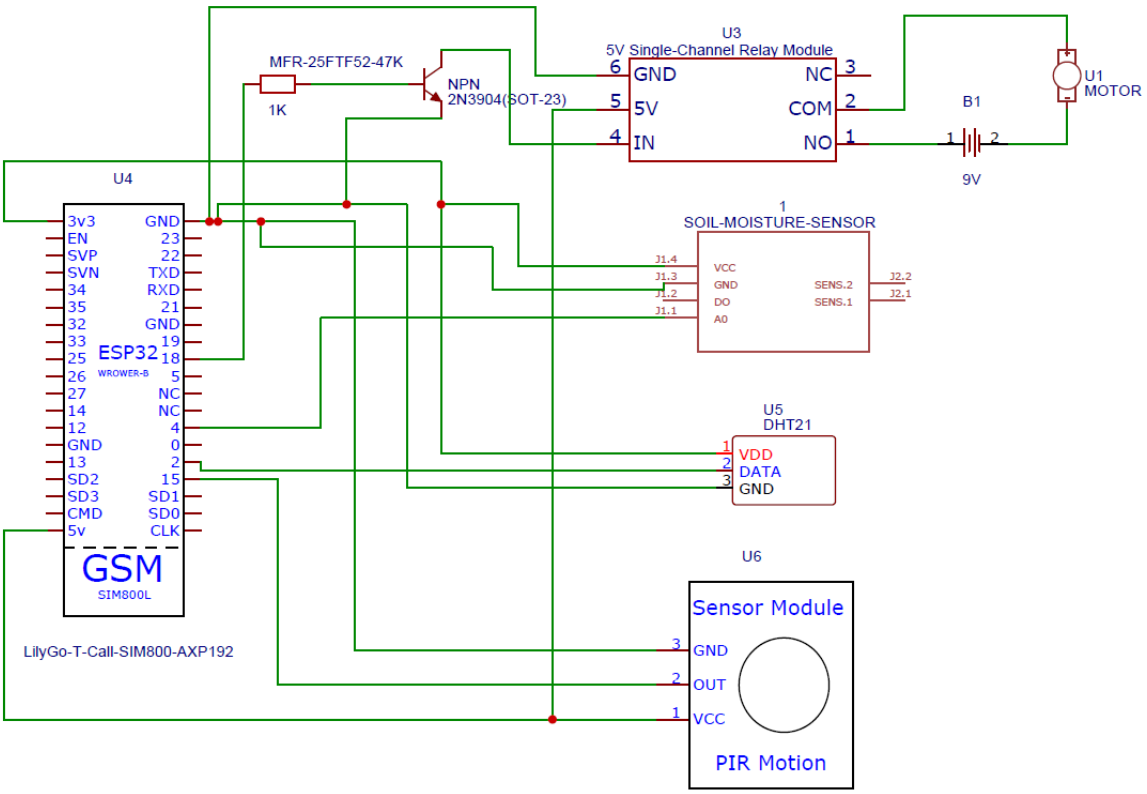

ESP32
WROVER-B
AXP192
GSM
SIM-800L
PIR
Sensor
gnd out vcc


U1
ESP32
WROVER-B
AXP192
GSM
SIM-800L
1k ohm
NPN
Relay
Moisture sensor
Motor
9V Battery
U2
DHT11 sensor
U3
PIR
Sensor
gnd out vcc
NMIT,Bangalore

FootPrint:


1k ohm
NPN
Relay
U1
U5
ESP32
WROVER-B
Moisture sensor
Motor
9V Battery
AXP192
DHT11 sensor
U3
PIR
GSM
SIM-800L
SIM
CARD
Sensor
NITTE MEENAKSHI
NMIT,Bangalore

Schematic:


U3
5V Single-Channel Relay Module
6 GND
5 5V
4 IN
NC 3
COM 2
NO 1
U1
MOTOR
B1
1 2
9V
MFR-25FTF52-47K
1K
NPN
2N3904(SOT-23)
U4
3v3 GND
EN 23
SVP 22
SVN TXD
34 RXD
35 21
32 GND
33 19
25 ESP32 18
26 WROWER-B 5
27 NC
14 NC
12 4
GND 0
13 2
SD2 15
SD3 SD1
CMD SD0
5v CLK
GSM
SIM800L
LilyGo-T-Call-SIM800-AXP192
1
SOIL-MOISTURE-SENSOR
J1.4 VCC
J1.3 GND
J1.2 DO
J1.1 A0
SENS.2 J2.2
SENS.1 J2.1
U5
DHT21
1 VDD
2 DATA
3 GND
U6
Sensor Module
3 GND
2 OUT
1 VCC
PIR Motion