

N.S.N. COLLEGE OF ENGINEERING

AND TECHNOLOGY





DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

IV YEAR / VII SEMESTER (ODD)

BATCH: 2019-2023

ACADEMIC YEAR 2022-2023

ASSIGNMENT - III

TEAM ID : PNT2022TMID48721

TITLE OF THE PROJECT : SIGNS WITH SMART CONNECTIVITY FOR BETTER ROAD

SAFETY

DOMIN : INTERNET OF THINGS (IOT)

TEAM LEAD : AYYAPPAN S

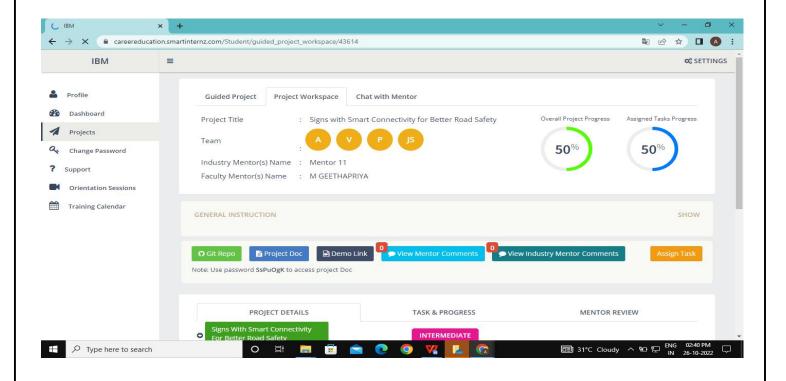
TEAM MEMBER : VIGNESH K

TEAM MEMBER : PARTHIBAN M

TEAM MEMBER : JABAR SATHIK S

INDUSTRY MENTOR : MENTOR 11

FACULTY MENTOR(S) NAME : M GEETHAPRIYA



ASSIGNMENT-III

BLINKING OF LED AND TRAFFIC LIGHTS FOR RASPBERRYPI

CODE: import time import RPi.GPIO as GPIO GPIO.setmode(GPIO.BOARD) GPIO.setup(11, GPIO.OUT) while True: GPIO.output(11,True) time.sleep(1) GPIO.output(11,False) time.sleep(1) from gpiozero import Button, TrafficLights, Buzzer buzzer = Buzzer(15) button = Button(21) lights = TrafficLights(25, 8, 7) while True: button.wait_for_press() light.green.on() sleep(1) lights.amber.on() sleep(1) lights.red.on() sleep(1) lights.off() while True: lights.on() buzzer.off() button.wait_for_press() lights.off() buzzer.on() button.wait_for_release() while True: lights.blink() buzzer.beep() button.wait_for_press() lights.off() buzzer.off() button.wait_for_release()