# ASSIGNMENT-3 PYTHON CODE FOR RASPBERRY PI

PROJECT: Hazardous Area Monitoring for Industrial Plant

Name: Tavasi. B

# LED BLINKING CODE:

import RPI.GPIO as GPIO from time import sleep GPIO.setwarnings(False) GPIO.setmode(GPIO.BOARD)

GPIO.setup(8, GPIO.OUT, initial-GPIO.LOW) while True:

GPIO.output(8, GPIO.HIGH)

sleep(1)

GPIO.output(8, GPIO.LOW)

sleep(1)

# TRAFFIC LIGHT CODE:

from gpiozero import LED from time import sleep red = LED(22)

yellow = LED(27) green = LED(17) while True:

red.on() sleep(15) red.off() sleep(1) yellow.on() sleep(10) yellow.off) sleep(1) green.on() sleep(10) green.off() sleep(1)