**Assignment - 3**

# PYTHON CODE FOR BLINKING LED AND TRAFFIC LIGHTS FOR RASPBERRY PI

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| Assignment Date | 7 OCTOBER 2022 |
| Student Name | AKSHAYA K |
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| Maximum Marks | 2 Marks |

**Question:**

**Write python code for blinking led and traffic lights for Raspberry pi**

**CODE FOR BLINKING LED :**

import time import RPi.GPIO as GPIO GPIO. set mode (GPIO.BOARD)

GPIO. setup (11,GPIO.OUT) while True:

GPIO. output(11,true)

time.sleep(1) GPIO.output(11,false) time.sleep(1)

**CODE FOR TRAFFIC LIGHTS:**

from gpiozero import Button, Traffic lights, Buzzer from time import sleep buzzer = Buzzer (15) button = Button (21) lights = Traffic lights (25,8,7) while True:

button.wait\_for\_press ( ) buzzer.on ( ) lights.green.on ( )

sleep (1) lights.amber.on ( ) sleep (1) lights.red.on ( ) sleep (1) lights.off ( ) buzzer.off ( )