**ASSIGNMENT-3**

**PYTHON CODE**

**BLINKING OF LED USING RASBERRYPI**

from machine import Pin **#interfacing with the rasberrypi pico**

from time import sleep

led = Pin(17, Pin.OUT) **#pin number - 17; pin function - output**

while True:

led.value(1) **#set the pin 17 to high**

sleep(1) **#delay for 1 second**

led.value(0) **#set the pin 17 to low**

sleep(1) #delay for 1 second

**TRAFFIC LIGHT USING RASBERRYPI**

from machine import Pin **# interfacing with the rasberrypi pico**

from time import sleep

red\_led = Pin(17, Pin.OUT) **#pin number - 17; pin function - output**

yellow\_led = Pin(18, Pin.OUT) **#pin number - 18; pin function - output**

green\_led = Pin(19, Pin.OUT) **#pin number - 19; pin function - output**

while True:

print("Stop - red ") **#stop signal - red glows**

red\_led.value(1)

yellow\_led.value(0)

green\_led.value(0)

sleep(4)

print("Alert - yellow ") **#Alert signal - yellow glows**

red\_led.value(0)

yellow\_led.value(1)

green\_led.value(0)

sleep(1)

print("Go - Green ") **#Go signal - green glows**

red\_led.value(0)

yellow\_led.value(0)

green\_led.value(1)

sleep(3)