**Assignment -3**

Python Programming

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| Assignment Date | 03october 2022 |
| Student Name | R.Abarjitha |
| Student Roll Number | 811019106002 |
| Maximum Marks | 2 Marks |

**Question-1:**

Write a python code for blinking LED

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| **Solution:** |
|  | Import RPi.GPIO as GPIO  Import time  GPIO.setmode (GPIO.BCM)  GPIO. setwarnings (False)  GPIO.setup (18,GPIO.OUT)  Print( “LED on “)  GPIO.output (18,GPIO.HIGH)  Time.sleep(1)  Print(“LED off”)  GPIO.output (18,GPIO.LOW) |
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**Question-2**

**Write a python code for Traffic Light Rasberry**

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| **Solution:** |
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|  | From gpiozero import LED  From time import sleep  Red= LED(17) #pin numbers connected to Led’s  Aster=(22)  Green=(27)  While True:  Red.on() #RED light  Print(“Red light is ON”)  For I in range(100,0,-1):  Print(“Remaining time: “,i)  Sleep(1)  Red.off()  Aster.on() # ASTER light  Print(“Yellow light is ON”)  For I in range(5,0,-1):  Print(“Remaining time: “,i)  Sleep(1)  Aster.off()  Green.on #GREEN light  Print(“Green light is ON”)  For I in range(30,0,-1):  Print(“Remaining time: “,i)  Sleep(1)  Green.off() |
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