ASSIGNMENT – 3

**PYTHON CODE FOR BLINKING LED AND TRAFFIC LIGHTS FOR RASPBERRY PI**.

PYTHON CODE FOR BLINKING LED:

1. From machine import pin
2. Import utime
3. Led=pin(28,pin.OUT)
4. Led.low()
5. While True:
6. Led.toggle()
7. Print(“ toggle ”)
8. Utime.sleep(1)

PYTHON CODEING FOR TRAFFIC LIGHTS IN RASPBERRY PI:

1. Import machine
2. Import utime
3. Import\_thread
4. Led\_red=machine.pin(15,machine.pin.OUT)
5. Led\_yellow=machine.pin(14,machine.pin.OUT)
6. Led\_green=machine.pin(13,machine.pin.OUT)
7. While True:
8. Led\_red.value(1)
9. Utime.sleep(5)
10. Led\_yellow.value(1)
11. Utime.sleep(2)
12. Led\_red.value(0)
13. Led\_yellow.value(0)
14. Led\_green.value(1)
15. Utime.sleep(5)
16. Led\_green.value(0)
17. Led\_yellow.value(1)
18. Utime.sleep(5)
19. Led\_yellow.value(0)