RAJALAKSHMI INSTITUTE OF TECHNOLOGY

[DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING]

ASSIGNMENT - 3

NAME: DIVAKAR T

TOPIC: Python Code for Blinking LED and Traffic lights for Raspberry pi

CODE:

```python
import RPi.GPIO as GPIO
import time

ledPin = 22    # pin22

def setup():
    GPIO.setmode(GPIO.BOARD)
    GPIO.setup(ledPin, GPIO.OUT)
    GPIO.output(ledPin, GPIO.LOW)


def loop():
    while True:
        print 'LED on'
        GPIO.output(ledPin, GPIO.HIGH)
        time.sleep(1.0)
        print 'LED off'
        GPIO.output(ledPin, GPIO.LOW)
        time.sleep(1.0)
def endprogram():
        GPIO.output(ledPin, GPIO.LOW)
        GPIO.cleanup()
```

```python
if name == 'main':
    setup()
    try:
        loop()
    except KeyboardInterrupt:
        endprogram()
```