SNS COLLEGE OF TECHNOLOGY,COIMBATORE-641035

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IOT ASSIGNEMENT

TOPIC: IOT BASED SMART CROP PROTECTION SYSTEM FOR AGRICULTURE

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# Assignment 3:

Write python code for blinking LED and Traffic lights for Raspberry pi. Only python code is enough, no need to execute in raspberry pi.

Note: you are allowed to use web search and complete the assignment.

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| **Solution:** |
| import RPi. GPIO as GPIO import time  import signal import sys #setup  GPIO.setmode (GPIO.BCM) GPIO.setup (9, GPIO.OUT)  GPIO.setup (10, GPIO.OUT)  GPIO.setup (11, GPIO.OUT)  GPIO.output(9,False) GPIO.output(10,False) GPIO.output(11,False) GPIO.cleanup() sys.exit(0)  signal.signal(signal.SIGINT,allLightsOff) #loop  While True:  #red GPIO.output(9,True) time.sleep(3) #red&amber GPIO.output(10,True) time.sleep(1)  #green GPIO.output(9,False) GPIO.output(9,True) GPIO.output(11,True) time.sleep(5)  #amber |

GPIO.output(11,False) GPIO.output(10,True) time.sleep(2)

#amber off GPIO.output(10,False)