Navsahyadri Group of Institutes, Faculty of Engineering

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING ENGINEERING

Subject: IoT with Artificial Intelligence

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Sr. no.	Title	Date	Page no.	Sign
1	Study of Raspberry-Pi/ Beagle board/ Arduino and other microcontroller (History & Elevation)			
2	Study of different operating systems for Raspberry-Pi / Beagle board / Arduino. Understanding the process of OS installation			
3	Write an application to read temperature from the environment. If temperature crosses threshold value then it notifies with buzzer.			
4	Write a program using Arduino to control LED (One or more ON/OFF). Or Blinking.			
5	Create a program so that when the user enters 'b' the green light blinks, 'g' the green light is illuminated 'y' the yellow light is illuminated and 'r' the red light is illuminated.			
6	Write a program that asks the user for a number and outputs the number squared that is entered.			
7	Write a program read the temperature sensor and send the values to the serial monitor on the computer			
8	Write a program so it displays the temperature in Fahrenheit as well as the maximum and minimum temperatures it has seen			
9	Write a program to show the temperature and shows a graph of the recent measurements.			
10	Study of ThingSpeak – an API and Web Service for the Internet of Things.			