Alexandria University
Faculty of Engineering
Computer and Systems Engineering
Department

Computer Organization
Assigned: Wed. 27/11/2024
Due: Sunday 08/12/2024

Microcontroller Lab 7-B

Objectives

Application on temperature sensor.

Temperature Warning System

Use the LM35 to measure the current air temperature and print the readings in Centigrade (°C) on the

Serial monitor. If the temperature exceeds certain limit (30 °C), a buzzer and an LED must turn ON.

NOTE: In order for you to increase the surrounding temperature, use any heating device that does not use flames. (Hairdresser for example or the laptop fan).

You should clearly show the reading on the serial monitor as well as the warning buzzer and LED turning ON when certain temperature is exceeded during the discussion.

Delivery Policy

- Represent the requirements using components (buzzer, potentiometer, etc.…) and code.

- Each group must submit a recorded video along with a report containing the code.

- **Assigned Date**: Wednesday 27/11/2024

- **Due Date:** Sunday 08/12/2024 @ 23:59

- **Late delivery** = -25% for each day of delay.

Good Luck