

# **Project 01**

## **Infant Incubator**

**(22<sup>nd</sup> of February, 2024)**

**Statement:** You are required to design a model of an infant incubator which provides a display for temperature, humidity, heart rate. The system should alarm the user in the case of ***under temperature*** and ***apply a procedure to reset the temperature*** to the desired one. A color sensor should also be mounted inside the incubator that is used as a symptomatic detection of jaundice.

**Bonus:** Mobile application that notifies the user with abnormal conditions.

### **Grading:**

<b>Sensors and Wiring</b>	<b>Integration Using Microcontroller</b>	<b>Temperature Alarm</b>	<b>Temperature Adjustment</b>	<b>Bonus</b>
30 %	30%	20%	20%	10%

**Deadline:** Sunday, 29<sup>th</sup> of February, 2024

**Policy:** Group Task.

**Submission:** In Class Submission.