



## Cover page

Project title: Kiddy Milk Master

Academic Year: 2023/2024

Group Members: Alaa Yaish

Department Name: Computer Engineering

Omniya Hmoda

**Project Type**      **Hardware**

Supervisor Name: Dr. Aladdin Masri

### Format:

- Single space, Times New Roman.
- 12 pt,
- Maximum 1 page.

### Abstract Body:

#### Items must be provided in the Abstract:

- Why do you think this project is important? Please explain the significance of this Project in brief.
- In your point of view what are the important aspects that should be covered in the project?
- Objective(s): In your view, please explain the main objectives of the project.
- Methodology: Give a brief outline of the application development process.
- Had this project been done before? Are there any similar applications available today?
- **Note:** Please deliver this abstract early to ensure that your Project has been approved by the department's projects committee. **Registration will not be done without this approval.**



---

## Project's Abstract:

This project aims to make the process of preparing milk bottles for infants much more convenient for parents, particularly mothers. Preparing infant formula can be a time-consuming task, especially during late-night feedings. With this machine, parents can automate and simplify this process, saving time and effort.

The machine ensures precision in preparing the milk bottles, including sterilization, temperature control, and precise measurements for water and milk powder. This precision can help prevent common issues like milk being too hot or too cold, which can be harmful to an infant.

Accurate milk preparation, temperature control, and sterilization can contribute to the overall health and well-being of the baby, reducing the risk of digestive issues or exposure to harmful bacteria.

The main objectives of the project are centered around simplifying and enhancing the process of infant milk bottle preparation, ensuring safety and health, and providing parents with a convenient and reliable solution for their caregiving needs.

So the machine makes milk bottles for children. At first, the mother can choose one of two modes (Decide the period to get the machine work periodically and the second mode is determining the amount of water she wants to be used)

Then the machine starts sterilizing the bottle, heating water, make sure that the water is suitable to be drunk, putting the milk powder, adding hot water, mixing the milk, maintain the temperature of the milk so anytime the mother takes the bottle she finds it hot, and send a notification for the mother to tell her that the milk is ready.

The mother can also send a command to the machine to start the procedure.

In foreign countries, this machine is available in hospitals only. So only nurses can deal with it. But mothers now can deal with Kiddy Milk Master to make it easier for them in their daily lives. And one big difference is that mothers can receive notifications that the milk is ready and also then can send a command anytime for the machine to start working and making milk bottles ready.

