



Cover page

Project title: Milkshake Factory

Academic Year: 2024

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Department Name: Computer Engineering Department

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Project Type Hardware

Supervisor Name: Dr. Anas Toma

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:

The Milkshake Factory project is a modern hardware solution made to simplify and automate the making and packaging of milkshakes. The machine has different actions. Each of which is carefully constructed to guarantee the best possible quality for the final product.

In the first stage, the cup dispenser, different types of milkshakes are chosen in user-defined percentages via a complicated control unit, allowing for a unique milkshake. The second stage involves the addition of the ingredients to the cup after travelling on the belt.

The third stage consists of mixing all the ingredients in the cup and making sure the milkshake is well mixed and ready to be packaged and served. In the final stage, the cup stops to be covered by a special cup closing machine.

The goal of the Milkshake Factory project is to provide a smooth, user-friendly milkshake preparation experience by mixing automation with customization to meet different tastes.