



## Cover page

Project title: MojitoMaker Pro

Academic Year: 2023/2024

Group Members: Malak Mohammed Fathi Jawabreh

Department Name: Computer Engineering

Aya Waleed Mohammed Awwad

**Project Type :** Hardware

Supervisor Name: Dr. Haya Samaana

### 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.**



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## Project's Abstract:

First of all, we believe that this project is important to keep pace with development and technology and to facilitate the process and save time, especially in times of crises within restaurants and cafes. Because of its small size, it is easy to place it anywhere or buy it by any person or company. Therefore, anyone can start his project through this machine without He must have extensive experience in the field of barista.

The important aspects that must be covered in this project are all the stages of making the Mojito drink exactly as it is made, without any deficiency in this drink and that it contains all its features.

The beginning of the machine that we will manufacture and develop is characterized by the presence of several flavors of syrup and a soft drink, and also a specific type of fruit that is used to make mojitos in abundance, and there are also pieces of ice that will be placed in the drink, as there is a fruit blender to mash the pieces of fruit, and there are also full automatic cups.

We will have a mobile application, and on the machine itself there will be a menu with a Keypad next to it. The person can use the mobile application or the Keypad to choose the drink he needs. The menu will contain several types of mojitos based on the flavors we have. When the person chooses the type of mojito automatically, the process begins. The cup is removed from the machine and then moved to the place where the fruits are dropped. Once the fruits are placed in the cup, it moves to the place where the fruits are mixed to mash them smoothly. When it is finished, it returns to the place where the ice is dropped, where the ice is dropped and you move to the final stage of adding the syrup according to the person's choice and adding the soft drink.

There is also a display screen that displays the name of the mojito that the machine is making and the status of this drink, either (in process or ready).

We searched in the archive of graduation projects for the Computer Engineering Department and did not find a project exactly similar to it, but recently we learned that there is a beverage production line project and it is not a machine like our project and it does not contain all the features we have.