



Cover page

Project title: Moonbucks machine Academic Year: 2022

Group Members: Mohammad Mubaslat & Hamzeh Saleh Department Name: Computer engineering

Project Type: Hardware

Supervisor Name: Eng. Asmma Afifi

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:

Many people used to drink coffee on the morning, because it has many advantages such as, increasing brain activity, helping us to stay focused and alert, and burning fat.

So we have decided to create an automatic and smart coffee machine as name of (**MoonBucks Machine**).

The machine will have many features to help people make their coffee faster and control the accurate standards of preparing the coffee. So all they have to do is to put their own mug –regardless the size and the shape- because the machine will detect and check the cup size by specific sensors, the machine will use one of the two ways to start preparing the coffee. First way, by using the application on their mobile phones and the second way, by using the keypad which attached to the machine. The machine will start moving the cup using motors and it will prepare the coffee with the standards given, for that we will use smart valves, smart weight sensors, and water heating system. In addition the machine supports GSM feature to notify the owner that one of the bottles is empty.

