



Cover page

Project title: My Smart Home

Academic Year: 2022/2023

Group Members: Yana Beshar – 11819353

Department Name: Computer Engineering

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Project Type **Hardware**

Supervisor Name: Hanal Abu Zant

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?
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- **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:

Houses typically have separate electrical systems and gadgets for each purpose, each of which must be handled differently and operates independently of the others, So we need a smart home that makes use of a variety of technologies to outfit home components for more intelligent monitoring and remote control as well as to enable them for influential harmonic interaction, so that daily household chores and activities are automated without user intervention or under the user's remote control in a simpler, more practical, more efficient, safer, and more affordable manner. Smart homes have the potential to increase energy efficiency, comfort, and convenience in the house. Additionally, it offers secure conditions for persons who are elderly or have disabilities.

Smart home technology can be categorized into two main types, wired system and wireless System, The wireless makes the system more scalable.

The features that the system will provide:

RFID door lock system, lighting control according to sunlight and the presence of a person in the room using a mobile phone, Heat control, Keypad and screen to secure the house from thieves, It sends SMS message in the event of a fire or theft, Moisture sensor and irrigation system so your plants stay healthy and a smart umbrella that opens automatically in case of rain.

