



## Cover page

Project title: Medical Assistant.

Academic Year: 2024/2025.

Group Members: 1-Amr Foqha.

Department Name: Computer Engineering.

2-Abdelrahman Abboushi.

Project Type Software or Hardware (Choose one) → Hardware.

Supervisor Name: Dr. Muhannad Al-Jabi.

### 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:

This project aims to assist elderly or chronically ill individuals, such as those with heart disease, diabetes, or Alzheimer's, by ensuring proper medication management. Its significance lies in providing comprehensive care by organizing and automating the process of taking medication at the correct time, reducing the common issue of forgetting doses.

The system schedules medication times based on the patient's input, dispensing water for the patient to take their medicine. Additionally, it measures vital signs and sends the readings to a smartphone app, allowing full control over the medication schedule through the project's interface. When it's time for the patient to take their medicine, notifications and alerts are sent to remind them.

Patients can input their required medication times, Sensors capture patient vitals, displaying the readings in a smartphone app, control panel allows adjustments to medication times, and the system sends alerts to remind patients of their medication schedules.