



Cover page

Project title: Inventory System

Academic Year: 2023/2024

Group Members: Ahmad Othman

Department Name: Computer Engineering

Ameen Abu Diak

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:

Our project aims to create an integrated inventory system that facilitates the process of arranging and storing packages on warehouse shelves so that the user can classify the packages and allocate each cell to a specific type of package through the interface that will be connected to the hardware.

The packages to be inserted into the system are placed in a specific place so that the arm that moves along the x and y axes carries the package and places it, based on its type via barcode, on the appropriate shelf.

Packages can be retrieved from the shelves to a specific place when choosing the type of package to be retrieved or the number of the cell.

This system facilitates the process of storing packages on high shelves, especially in stores, and cataloging them and displaying the available items and their storage locations.