



جامعة النجاح الوطنية  
An-Najah National University

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دائرة الهندسة الكهربائية والحاسوب  
Faculty Of Engineering  
Electrical and Computer Engineering Department

## Cover Page

Project Title: **KiddieCloset**

Academic Year: **2025-2026**

Group Members: **Dima Shanti, Nour Sabri**

Program Name: **Computer Engineering**

Supervisor Name: **Dr. Emad Natsheh**

### 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:

Children naturally seek independence and enjoy making their own choices, even in simple daily tasks like selecting outfits. However, in today's fast-paced world, parents often struggle to find the time to guide and support them in these routines.

This creates a need for solutions that help children become more self-reliant while easing the parents' responsibilities. KiddiCloset is a smart closet designed for children, aimed at organizing clothing and making selection easy and interactive. The closet features a rotating circular hanger divided into three sections, each categorized by clothing type, such as dresses, school uniforms, and suits. The hanger is mechanically driven by a stepper motor, allowing automatic rotation to present the appropriate section. Additionally, the closet features a pull-out hanger section for items such as shirts and jackets, which is also mechanically operated, displaying the last hanger as the selected piece. Two shelves can be mechanically moved, opening either halfway or fully, depending on the item to pick. The last section is dedicated to shoes, where indicator lights help in identifying which pair to choose.

The entire system is controlled using an Arduino Mega and various sensors to provide feedback and ensure accuracy.

KiddiCloset is more than just a system of mechanical moving parts; it helps children select the right outfits for school, birthday parties, and other activities. It also assists them in keeping their closet organized and well-presented.

There are no projects like KiddiCloset that have been done before, making it stand out for its uniqueness and the value it provides as a practical solution for children's closet organization and outfit selection.