



جامعة النجاح الوطنية

An-Najah National University

كلية الهندسة | Faculty of Engineering

وحدة الجودة والاعتماد - مركز ABET

Quality and Accreditation Unit - ABET Center



Cover page

Project Title: ShoolHub

Academic Year: 2025/2026

Group Members: Shahd Hennawi

Department Name: Computer Engineering

Hala Maree

Project Type Software

Supervisor Name: Samer Arandi & 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.**



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Project's Abstract:

SchoolHub is a smart school management application designed to connect parents, students, teachers, and administrators through a single digital platform. It enhances communication and provides real-time access to essential academic information. The system ensures that parents stay informed about their children's progress, students remain organized with schedules and assignments, teachers can manage classes and records efficiently, school administrators can oversee academic and operational activities, and warehouse administrators can manage the school shop.

The application follows a multi-user model: **Parents, Students, Teachers, and Administrators**. Each user group interacts with the system according to its role. Parents benefit from features such as daily student reports, attendance notifications, uniform requests with exchange requests, and direct communication with teachers. Students gain access to the timetable, homework, exams, grades, and an integrated academic calendar. Teachers can input grades, record attendance, assign homework, submit absence requests, and communicate with parents. School administrators manage student and staff records, schedules, and official school-wide announcements. Warehouse administrators can manage uniforms, stock, and related requests with ease.

The application offers the following features:

Level 1 features

- Daily student reports and attendance notifications.
- Timetables, assignments, and exam schedules.
- Grade management and reporting.
- Teacher–parent messaging system.

Level 2 features

- Smart uniform management system with online requests and replacements.
- Notifications for holidays, strikes, or closures.
- Administrative control of user permissions.
- Generate training quizzes and instant correction tools.