



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: Bright path to learning

Academic Year: 2025/2026

Group Members: Reem Abdulrahim Shahir Hasan

Department Name: Computer Engineering

Farah Faisal Subhi Ahmad

Supervisor Name: Dr. Shareef Yaseen

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 develop an intelligent mobile and web application that helps students organize their studies in an interactive and efficient way by integrating artificial intelligence with a modern and user-friendly interface. The application analyzes each student's learning style to personalize their educational experience, whether visual, auditory, or kinesthetic.

The system allows users to upload their study materials such as books, PDFs, or images, and automatically generates summaries, quizzes, and flashcards to enhance understanding and retention. It also provides an adaptive study plan that adjusts based on the student's performance and available time, along with motivational quotes and Islamic reminders to maintain focus and positivity throughout the learning journey.

The mobile version of the application will be built using React Native and Expo to ensure a smooth, responsive, and cross-platform user experience, while the web version will be developed using React.js for an intuitive browser-based interface.

The Back-End will be developed using Node.js and Express.js, with MySQL as the main database for efficient and structured data management. The system will also be integrated with the OpenAI API to enable intelligent features such as automatic summarization, question generation, and personalized study planning.

Additionally, the project includes an Administrator Dashboard for monitoring user activity, analyzing learning performance, and managing educational content effectively.

This project combines artificial intelligence, smart organization, and motivational design to deliver a complete digital learning experience that empowers students to achieve their academic goals with confidence and efficiency.