# EduConnect – A Smart Educational Service Platform

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## Introduction

We have chosen this project to create a one-stop platform for Bangladeshi students that integrates various government educational services, results, admissions, and learning resources into a single mobile and web application. The platform aims to simplify access to study materials, admission processes, and academic results with an easy-to-use interface.

## Objectives

- Centralize educational resources like NCTB books and notes. - Enable SSC/HSC result checking directly from the app. - Simplify admission applications through a guided process. - Provide integrated online payment systems (bKash, Nagad, etc.). - Introduce AI assistant for personalized learning support. - Ensure students have easy access to guides, notes, and essential updates.

## Tools and Languages

- Frontend: React Native / Flutter for mobile application. - Backend: Node.js with Express.js. - Database: MySQL / PostgreSQL. - AI Integration: Python (Natural Language Processing). - Payment Gateway: bKash, Nagad APIs. - Design Tools: Figma for UI/UX design.

## Related Works

Existing platforms like government admission websites and NCTB portals are scattered and difficult to use. EduConnect improves this by combining these services in a unified, user-friendly interface with additional AI-based features that do not exist in current solutions.

## Features

- NCTB Books (Class 1–10) in digital format. - Admission application system with automated form filling. - SSC and HSC results checking. - Online payment integration. - AI-powered assistant for student guidance. - Study notes, guides, and PDFs. - Easy navigation and modern interface.

## Users

- Students: For study resources, admission, and results. - Parents: To monitor results and guide their children. - Admin: To manage content, admission data, and monitor system usage.

## SDLC

We will follow the Agile Model. The reason for choosing Agile is its flexibility in handling continuous updates and improvements. Since this project involves multiple features like AI integration, payments, and admissions, Agile allows iterative development, regular feedback, and quicker adaptation to new requirements.

## Conclusion

EduConnect aims to transform the educational digital ecosystem of Bangladesh by centralizing critical services into one application. This will save time, reduce complexity, and provide students with resources and tools that improve their learning journey. With AI integration, EduConnect will not only provide access to information but also personalized support for every student.