1. **Project Selection & Vision**

Education in Bangladesh, especially at the primary level, still faces challenges in digital transformation. Many schools lack affordable and localized solutions for managing academic activities, parent-teacher communication, and digital resources.

We selected **BidyaSetu** because:

* It bridges the gap between traditional learning and digital education.
* It supports **offline-first capability**, ensuring usability in low-internet rural areas.
* It is user**-friendly**, targeting **primary-level students**.
* It integrates **attendance, communication, results, e-library, and smart notifications** into one platform.

This makes the system **relevant, practical, and impactful** in the current education scenario of Bangladesh. We create an **intelligent, user-friendly, and accessible educational platform** that enhances learning, parent-teacher communication, and ensures academic transparency while being **affordable and localized**.

1. **Feature Gathering**

### Authentication & Security

* Sign up/sign in with email & SMS verification
* Role-based access (Parent, Teacher, Admin)
* Secure logout & session management

### Dashboard

* Attendance trackin
* Exam schedule & results analysis
* Classwork & assignment management
* Personalized profile

### Communication System

* Notices (school/class/individual)
* Emergency SMS broadcast
* Parent-teacher chat

### Learning & Resource Hub

* E-library with NCTB books
* Educational videos & notes
* Bookmark & search option
* Downloadable study materials (offline access)

### Feedback & Reports

* Parent feedback to teachers
* Teacher performance reports
* Student progress analytics

### Learning Management

* Homework tracker
* Assignment submission & grading
* Learning path recommendations

### Settings

* Multi-language (Bangla/English)
* Notification preferences
* Accessibility controls

1. **User Roles**

* **Parents:** Monitor child’s progress, receive notifications, download study materials, communicate with teachers.
* **Teachers:** Manage attendance, classwork, assignments, upload resources, communicate with parents.
* **Admins:** Manage users, oversee system, generate reports, configure settings & notifications.

## Conclusion

In this lab, we selected **BidyaSetu** as our project and gathered essential features for the system. The project focuses on **digital school management** with offline support, a user-friendly design, and a strong communication hub. This selection ensures that the system will be both **technically feasible** and **socially impactful** in the education sector of Bangladesh.