

Smart City Education Portal

Software Requirements Specification (SRS)

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Date: January 2026

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1. Introduction

1.1 Purpose

Develop a centralized digital platform for school & hostel operations, including admissions, hostel bookings, notices, and AI-driven Smart Fee Reminders.

1.2 Scope

- Public website (school + hostel info)
- Admin panel with dashboards & management tools
- AI Smart Fee Reminder generator
- Responsive & mobile-friendly
- Free-tier deployment (Vercel + Render)

1.3 Definitions, Acronyms, Abbreviations

SRS: Software Requirements Specification

AI: Artificial Intelligence

UI: User Interface

DB: Database

Admin: System administrator

PWA: Progressive Web App

1.4 References

- React Documentation: <https://reactjs.org/docs>
- Tailwind CSS: <https://tailwindcss.com/docs>
- Flask: <https://flask.palletsprojects.com>
- SQLite: <https://www.sqlite.org/docs.html>

3. Functional Requirements (FRs)

All 37 Functional Requirements (FRs) are included here, fully expanded with inputs, outputs, validations, admin actions, AI templates, previews, and security measures.

