

Functional Requirements

Students, Tutors, and Admins should be able to register and log in to the system using email/phone credentials.

Student

- S1. Students should be able to search and filter tutors by subject, class type, fees, and availability.
- S2. Students should be able to view tutor profiles including qualifications and classes offered.
- S3. Students should be able to view their class schedule in a weekly timetable.
- S4. Students should be able to enroll in a class, with the system checking seat availability.
- S5. Students should be able to pay invoices for enrolled classes, with the system collecting payment proof.
- S6. Students should be able to receive messages and notifications about enrollments, schedule changes, and payments.
- S7. Students should be able to view unit materials shared by tutors and download materials when permitted.
- S8. Students should be able to manage their profile (basic details, contact).
- S9. Students should be able to view AI-based tutor recommendations when searching.

Tutor

- T1. Tutors should be able to manage their profile (bio, subjects, qualifications).
- T2. Tutors should be able to create and manage classes, with the system scheduling sessions and performing a clash check for time/room conflicts.
- T3. Tutors should be able to view enrollments for their classes.
- T4. Tutors should be able to upload unit materials (notes/links) for enrolled students.
- T5. Tutors should be able to send messages to enrolled students.
- T6. Tutors should be able to receive notifications related to their classes and student activities.
- T7. Tutors should be able to view AI-driven student demand insights to understand popular time slots and formats.

Admin

- A1. Admins should be able to approve tutor registrations before tutors are listed.
- A2. Admins should be able to approve and publish classes, with the system performing a final clash check.
- A3. Admins should be able to verify payments, using the student's submitted proof.
- A4. Admins should be able to issue refunds when verification fails or overpayment is detected.
- A5. Admins should be able to broadcast announcements to selected audiences (class/grade/branch/all).
- A6. Admins should be able to view reports and analytics on students, enrollments, revenue, and outstanding dues.