

Title: “New-Generation Adaptive Education AI Based Student Learning Platform For AMA Senior High School”

System Specs

- 1. Platform type** – web-based and local (recommended for accessibility)
- 2. Target Users** – Senior High School, Teacher.

Functional Specs

- 1. AI-Powered Learning Modules**
 - Teacher will provide atleast 5 questions (AI algorithm will change quiz based on student performance)
 - Personalized learning paths based on student performance
 - Adaptive quiz generation (easy/medium/hard) (also include the post/pre test)
- 2. Student Performance**
 - Real-time progress tracking dashboard
- 3. Teacher Dashboard**
 - Add/view course content
 - Teachers can evaluate and upload lessons to the system (AI will able to generate lessons/quizzes)
 - Monitor student performance per subject/module
- 4. Communication Tools**
 - Notifications and announcement
- 5. Content Management**
 - Upload lessons, Documents
 - Tagging by subject base on a difficulty level
 - AI auto-categorization of lessons

User Access

- **User roles** – Teacher’s portal, Student’s portal (Separate dashboard)