**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)

1. **Student Performance**

* Real-time progress tracking dashboard

1. **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

1. **Communication Tools**

* Notifications and announcement

1. **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)