

## FEATURE LIST

### **User Classes and Characteristics**

**Students:** Primary users who need personalized study plans.

**Educators:** May use the platform to monitor student progress and offer guidance.

**Administrators:** Manage the system, user accounts, and oversee content updates.

### **Product Functions**

**User Registration and Authentication:** Secure login/signup for personalized experiences.

**Study Schedule Generation:** Create a Machine Learning-based recommendation model based on user inputs (subject difficulty, exam dates, available study time).

**Adaptive Study Plans:** Adjust schedules dynamically based on student progress and feedback.

**AI Chatbot:** Provide on-demand explanations, answer doubts, and offer study tips.

**Productivity Tracking:** Monitor study sessions, track task completion, and display progress metrics.

### **Operating Environment**

**Client-Side:** Modern web browsers (Chrome, Firefox, Safari, Edge) on desktops, tablets, and smartphones.

**Server-Side:** Web server running Django/Flask on a Linux/Windows environment with Python support.

**AI Components:** Cloud or local deployment for ML models and OpenAI API integration.