

# **Business Requirements Document**

## **Project Overview**

The Academic Planner is a web application designed to help students organize their academic activities effectively. The platform allows users to track course progress, manage timetables, plan study sessions, and receive study suggestions.

## **Purpose**

The purpose of the Academic Planner is to provide students with a centralized, simple, and intuitive system to:

- ✓ Manage and monitor their courses and study progress.
- ✓ Plan and schedule tasks, lectures, and exams efficiently.
- ✓ Receive smart suggestions to improve academic productivity.

## **Key Features and Requirements**

### **1. Authentication**

- Users must be able to sign up with an email and password.
- Users must be able to login securely.
- Login and signup forms should handle validation errors properly.
- Authentication tokens should be securely managed.

### **2. Course Management**

- Users can add new courses by providing details like course name, total chapters, etc.
- Users can update course progress (e.g., marking chapters as complete).
- Users can delete courses if no longer needed.

- The system should track progress percentage dynamically.
- Timetable and Calendar
- Users can add study tasks/events into a calendar view.
- Users can view a timetable for upcoming tasks and deadlines.
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### 3. Suggestion and AI Chat

- A suggestion feature recommends study plans, productivity tips, or time management ideas.
- AI chat integration provides helpful academic support based on user interactions.

### 4. Responsive Design

- The entire site must be fully responsive and mobile-friendly.
- Popups, navigation bars, cards, and forms must work smoothly on all devices (phones, tablets, desktops).

### 5. Technical Requirements

- **Frontend:** Built using React.js with responsive design principles.
- **Backend:** APIs for Login, Signup, Course Management developed and tested using Postman.
- **Database:** Stores user information, course data, and progress details securely.
- **Authentication:** Use secure token-based authentication for sessions.

### 6. Non-Functional Requirements

- Fast loading speed across all pages.
- Minimal downtime with error handling for network/API failures.

- Clean and intuitive user interface (UI/UX).
- Proper error messages for invalid form submissions.

## **7. Success Criteria**

- Users can log in and sign up without errors.
- Users can create, update, delete, and manage courses easily.
- All pages should work without layout or responsiveness issues.
- APIs must handle both valid and invalid cases correctly.
- System should guide students toward academic planning effectively with minimal confusion.

## **Conclusion**

The Academic Planner aims to simplify academic planning for students by offering easy-to-use features, intelligent suggestions, and a smooth, mobile-friendly experience. The application should deliver reliability, usability, and support academic success.