PROJECT PROPOSAL

Agentic AI Based Student Study Planner

Submitted By

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Course

Bachelor of Computer Applications (BCA) 2024

1. Introduction

Students often face difficulties in managing study schedules, revising subjects, and preparing for tests efficiently. Traditional planners are static and do not provide intelligent guidance. With the growth of **Agentic AI**, systems can actively assist users by observing inputs, making decisions, and providing guidance.

The **Agentic AI Based Student Study Planner** is designed to act as an intelligent study assistant that helps students plan studies, track progress, take tests, schedule tasks using a calendar, and receive AI-driven explanations.

2. Problem Statement

Students struggle with poor time management, lack of revision planning, and absence of intelligent academic guidance. Existing planners only store information and do not support decision-making or learning improvement. Hence, an intelligent and adaptive study planning system is required.

3. Proposed Solution

The proposed system is a web-based Agentic AI study planner that:

- Plans daily and subject-wise study activities
- Conducts MCQ-based tests and evaluates performance
- Provides AI-based explanations and notes
- Schedules study tasks using a calendar
- Tracks progress visually

The system behaves as an active assistant rather than a passive planner.

4. Objectives

- To design an intelligent study planner using Agentic AI
- To improve time management and study consistency
- To provide subject-based learning and testing
- To integrate calendar-based scheduling
- To enhance academic productivity

5. Scope of the Project

The project is designed for individual student use and focuses on core Computer Science subjects such as SQL, Operating Systems, and Network Security. It works as an offline-friendly web application. Future enhancements may include cloud storage, analytics, and mobile support.

6. Tools and Technologies Used

Frontend: HTML, CSS, JavaScript
Library: Chart.js
AI Concept: Agentic AI
Development Tools: Visual Studio Code, Web Browser

7. Technical Planning

The system is divided into functional modules:

- **Planner Module** – Generates study plans based on selected subjects
- **Test Module** – Conducts MCQ tests and calculates scores
- **AI Study Bot** – Provides explanations and key points
- **Calendar Module** – Schedules future study tasks
- **Dashboard** – Displays progress using charts

Each module works together using Agentic AI logic to support intelligent decision-making.

8. Project Planning and Team Roles

Role of Malavika

- Frontend design and layout development
- Dashboard UI and navigation
- Chart integration for progress tracking

Role of Kavi Varshini

- Study planner logic and test module implementation
- AI Study Bot content and decision logic
- Calendar scheduling and data handling

Both members jointly worked on testing, documentation, and final integration.

9. Expected Outcome

The system is expected to improve study organization, time management, revision planning, and learning efficiency while reducing academic stress.

10. Conclusion

The **Agentic AI Based Student Study Planner** provides an intelligent and interactive solution for academic planning. By applying Agentic AI concepts, the system actively assists students in learning, evaluation, and scheduling. This project demonstrates how AI-driven systems can enhance productivity and support effective learning in an academic environment.

Source course

Gitup Link:

Malavika: https://github.com/malavika345256/AUagentic

Kavi Varshini : https://github.com/Kavivarshini13/-student-study-planner