



Bachelor of Computer Application

TOPIC: AGENTIC AI – AI Study Planner

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Nov 2025

1. Project Evolution

Building on the initial core logic, the project has transitioned from a back-end script into a dynamic, user-facing web application. This phase focused on creating a "Live Dashboard" that allows for real-time interaction between the student and the Agentic AI engine.

2. New Accomplishments (Phase 2 Milestones)

- Web-Based Interface Deployment: Successfully implemented a professional dashboard using Streamlit, moving the project from a terminal-based script to a cloud-accessible web app.
- Real-Time Performance Observation: Integrated dynamic input sliders and date pickers that allow the AI to "observe" student performance and syllabus completion rates instantly.
- Adaptive Urgency Dashboard: Developed a visual status indicator that changes color (Red/Orange/Green) based on autonomous "Urgency Analysis". The system now visually signals when it has shifted into "Intensive Mode" due to close exam deadlines.
- Interactive AI Chatbot Hub: Created a communication layer where students can report study hurdles. The AI is programmed to detect keywords like "stress" or "tired" and respond by automatically rescheduling tasks to reduce student anxiety.
- System Stability Optimization: Implemented specific cloud-tunneling configurations (CORS/XSRF bypass) to ensure the agentic system remains stable and responsive in remote environments.

3. Updated Innovation Aspect Check

The project has successfully moved beyond "Initial Plan Generation" to Active Management. By combining real-time data input with an interactive chatbot, the system now demonstrates a higher level of "agentic autonomy":

- Autonomous Decision Making: The AI independently evaluates the time remaining and syllabus progress to lock or unlock specific study modes.
- Proactive Stress Management: Rather than just tracking data, the system "takes action" during chat interactions to provide immediate relief through schedule adjustments.

4. Current Status & Next Steps

- Status: Phase 2 (UI Integration) is complete and functional.
- Next Milestone: Implementing a persistence layer (Database) so the Agentic AI can remember student progress across multiple sessions, further enhancing its ability to "monitor and adjust" over long periods.

GitHub Repository Link- <https://github.com/faiz454/Agentic-AI-Project>