Project Assignment - Week Seven Deliverables

Group No 3 – Team Members

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Project Status Report (reflective of accomplishments to date and future plans)

PROJECT STATUS REPORT

Reporting period:	03/01/2024 to 04/24/2024	**Project title:**	**AI-Powered Academic Advising System**
Date of report:	03/26/2024	**Project manager:**	**Tanmay Doke**
Report author:	**Shubham Patil**	**Project Sponsor:**	*Syracuse University*

EXECUTIVE SUMMARY

Narrative Summary of Status	Schedule	Budget	Issues
Syracuse University is in the process of implementing an AI-Powered Academic Advising System to enhance student support services. The project involves gathering requirements, designing personalized guidance algorithms, addressing data privacy concerns, and ensuring system scalability. The university aims to improve student retention rates, academic achievement, and faculty productivity through this initiative.	GREEN	AMBER	AMBER

The project is on track with active stakeholder engagement and a focus on regulatory compliance and user adoption.			

Project Plan ID	Project Milestones	Status	Baseline Completion Date	Expected Completion Date	Issues Exist (Yes/No)
1	User Registration and Profile Setup	COMPLETE	Mar-24	Mar-24	No
2	Data Integration and Analysis	COMPLETE	Mar-24	Mar-24	No
3	Personalized Academic Advising	IN PROGRESS	Apr-24	Apr-24	No
4	Real-Time Progress Tracking and Alerts	IN TESTING	Apr-24	May-24	No
5	Advisor And Alumni Engagement	ON HOLD	May-24	May-24	No
6	Continuous Learning and System Optimization	IN PROGRESS	Apr-24	Jul-24	No
7	Compliance And Data Security	UP TO DATE	Apr-24	Apr-24	No
8	Reporting And Analytics for University Management	Planning Stage	Jun-24	Jul-24	No

PROJECT MILESTONE STATUS REVIEW

Project Plan ID	Project Milestones	Status	Baseline Completion Date	Expected Completion Date	Issues Exist (Yes/No)
1	User Registration and Profile Setup	COMPLETE	MARCH 2024	March 2024	NO
2	Data Integration and Analysis	COMPLETE	MARCH 2024	MARCH 2024	NO
3	Personalized Academic Advising	IN PROGRESS	APRIL 2024	APRIL 2024	NO
4	Real-time Progress Tracking and Alerts	IN TESTING	APRIL 2024	MAY 2024	NO

5	*Advisor and Alumni Engagement*	**ON HOLD**	*MAY 2024*	*MAY 2024*	*NO*
6	*Continuous Learning and System Optimization*	**IN PROGRESS**	*APRIL 2024*	*JULY 2024*	*NO*
7	*Compliance and Data Security*	**UP TO DATE**	*APRIL 2024*	*APRIL 2024*	*NO*
8	*Reporting and Analytics for University Management*	**PLANNING STAGE**	*JULY 2024*	*JULY 2024*	*NO*

STATUS OF PLANNED ACTIVITIES

Planned accomplishments in this period:
• *Completed Data Integration and Analysis.* • *Advanced Personalized Academic Advising with AI algorithm refinements.* • *Initiated testing for Real-time Progress Tracking and Alerts.*

Planned but not accomplished:
• *Finalizing User Registration and Profile Setup due to unexpected delays.*

Planned actions for the next period:
• *Start Advisor and Alumni Engagement phase.* • *Continued refinement of AI algorithms and system optimization.* • *Begin development of Reporting and Analytics for University Management.*

PROJECT ISSUES SUMMARY

ID	Priority	Issue Description	Impact Summary	Action Steps
1	*Medium*	*Privacy agreement clarification in User Registration and Profile Setup*	*Delay in project milestones, affecting the schedule*	*Clarify the privacy agreement terms and expedite the approval process*

2	*High*	*Adjustments needed for Real-time Progress Tracking and Alerts system*	*Affects the functionality and reliability of the alert system*	*Review the system specifications and perform necessary adjustments for accuracy*

PROJECT RISK SUMMARY

ID	Priority	Risk Description	Risk Assessment (Severity)	Impact Summary (Milestone, Schedule, Scope, Resources, Space...)	Response Strategy
R1	*High*	*Delay in privacy agreement clarification*	*High*	*Could delay the User Registration and Profile Setup milestone, impacting the project schedule*	*Expedite legal review and clarification process*
R2	*Medium*	*Inaccuracies in Real-time Progress Tracking and Alerts system*	*Medium*	*May affect the system's reliability and user trust, leading to potential schedule overruns*	*Conduct thorough testing and adjust base on feedback*
R3	*Low*	*Integration issues with university systems*	*Low*	*Could cause minor delays and resource reallocation in the Data Integration phase*	*Plan for additional technical review and testing phases*

Functional Requirements

FR1: Personalized Academic Guidance - To select courses, the system will examine each student's interests, career objectives, and academic background.

FR2: Career Path Alignment - The system will evaluate how students have chosen their courses of study in connection to their desired careers and offer advice and suggestions for being ready for the workforce.

FR3: Efficient Scheduling Assistance - Taking into account requirements, possible scheduling conflicts, and course availability, the system will help create efficient academic schedules.

FR4: Real-Time Performance Monitoring - The system will track academic progress of pupils in real-time to spot patterns or problems so that prompt action may be taken.

FR5: Interactive Chatbot Interface - The system will provide a chatbot that may engage with users to provide prompt answers to questions about majors, courses, and academic rules.

FR6: Past Data Analysis - In order to determine effective academic routes and provide guidance for future suggestions, the system will examine past academic data.

FR7: Goal Alignment and Progress Tracking - Students will be able to enter and monitor their professional and academic objectives, and the system will continuously analyze and provide suggestions on how to best align them.

FR8: Integration with Learning Analytics - To customize academic guidance depending on students' learning preferences, styles, and strengths and weaknesses, the system must interface with learning analytics technologies.

FR9: Notifications and Reminders - To assist students in staying organized, the system will deliver notifications and reminders for significant academic deadlines.

FR10: Feedback Mechanism - To help with the ongoing development of the AI algorithms, a feedback mechanism will be set up to allow students to provide their thoughts on the advice they have received.

Non-Functional Requirements

NFR1: Scalability - Without compromising speed, the system must be able to scale to accommodate an increasing number of users.

NFR2: Usability - The system must have an intuitive user interface that makes it simple for alumni, academic advisers, and students to utilize.

NFR3: Reliability - The system must be dependable, with a 99.9% uptime target during periods of high utilization.

NFR4: Security - To safeguard sensitive student data and adhere to data protection laws, the system must have strong security mechanisms in place.

NFR5: Performance - The system must react to user inputs quickly, with chatbot replies taking less than two seconds, and analytical processing completed in a reasonable amount of time.

NFR6: Interoperability - For data interchange and operational effectiveness, the system must smoothly interact with current university systems.

NFR7: Accessibility - In accordance with WCAG 2.1 guidelines, the system must be usable by people with impairments.

NFR8: Maintainability - To ensure long-term viability and flexibility to changing requirements, the system must be built for easy maintenance and upgrades.

NFR9: Data Privacy - Strict data privacy guidelines must be followed by the system to guarantee that all student data is managed in accordance with applicable laws and university regulations.

NFR10: continual Improvement - By regularly gathering and analyzing user feedback, the system will enable continual improvements to functionality and user experience.

Level 0 DFD