

Progress Report

Project Title: Development of an AI Virtual Presenter

Progress Overview:

During the first week of the project, I conducted research to establish a solid foundation for the development process. Over the subsequent two weeks, I successfully completed the first phase as planned, adhering to the timeline and meeting the expectations set by my company supervisor. This phase centered on delivering a functional prototype while ensuring the implementation of the system's core capabilities.

Achievements:

1. Presentation Upload and Display Functionality:

- Users can now upload a presentation file, which is properly displayed in the system.
- The presentation viewer includes an intuitive interface with options to navigate between slides.
- A full-screen mode has been implemented, enhancing readability and user experience.

2. Web Application Development:

- A web page for the project has been developed using React for the front end and FastAPI for the back end.
- The web application is designed to showcase the project as a potential startup, highlighting its value proposition and features.
- Key components include a professional user interface, responsive design, and smooth interaction workflows.

Working Environment:

The project is being developed in a Scrum environment, with a two-week sprint allocated for each increment. The Scrum methodology ensures iterative progress, clear prioritization, and continuous feedback from the team.

Current Status:

The first increment has been delivered successfully, providing a solid foundation for the subsequent phases. The project is on track with the established roadmap.

Next Steps:

1. In the upcoming sprint, focus will shift to integrating speech generation capabilities using NLP models.
2. Implement real-time question-answering features to enhance the system's interactivity.
3. Continue refining the web application by adding advanced features and improving its scalability.

Challenges and Solutions:

- Challenge: Ensuring seamless display of uploaded presentations across different file formats.
 - Solution: Implemented robust file parsing mechanisms and conducted thorough testing for compatibility.

Overall, the project is progressing as planned, with all initial objectives for this phase achieved successfully. The next phase will build on these accomplishments to deliver more advanced functionality and further align with the project goals.