**Weekly Progress Report**

Project Title: TexFramer

Group ID: 2021-CS-09, 2021-CS-11, 2021-CS-41

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Supervisor Name: Sir Atif Hussain Warraich

Week Number: 04

Date: 09/29/2024

Supervisor Comment and Sign:



**1. Summary of Work Done**

During Week 4, after facing initial rejection of our project idea, we briefly considered pivoting to a new project centered around auto-scaling containers using machine learning models. However, after further deliberation and a discussion with our supervisor, we decided to revert to our original concept of TexFramer and innovate on it instead. We brainstormed new features to make TexFramer more versatile and user-friendly, focusing on integrating SEO capabilities, real-time collaborative editing, and advanced customization options.

**2. Challenges Faced**

This week’s challenges included: ⦁ Dealing with the feedback and near-pivot to a different project concept. ⦁ Coming up with meaningful innovations to make the original idea stand out and be more appealing. ⦁ Ensuring that the added features could be feasibly implemented within the project timeline.

**3. Solutions or Workarounds**

⦁ After reviewing feedback, we held a meeting with the supervisor to validate our decision to innovate the original idea instead of switching directions entirely. ⦁ We conducted thorough research into current market offerings to identify areas where TexFramer could differentiate itself, such as enhanced SEO integration and real-time collaboration. ⦁ The project plan was updated with these new features, and additional time was allocated for their development to ensure all milestones remain achievable.

**4. Tasks Planned for Next Week**

⦁ Begin the initial design of the real-time collaboration feature. ⦁ Research and outline how SEO features will be integrated into TexFramer. ⦁ Update the Gantt chart to reflect the new features and adjustments to the timeline. ⦁ Finalize the architecture of the project with the new innovations in mind.

**5. Progress Against Timeline**

Although there was some hesitation when considering a pivot, we are now back on track and moving forward with the enhanced version of the original idea.

**6. Additional Notes**

While we nearly shifted to an auto-scaling project, we are confident that the innovations added to TexFramer will bring a fresh perspective to the project. The feedback was constructive, helping us refine our focus and improve the product.