



Problem & Motivation

- Collaborative research paper reading is often **fragmented across tools**, and they are not designed for group learning.
- Researchers often struggle and find it really **hard to stay synchronized** during group reading sessions.
- Current AI tools lack integration and contextual awareness, which is needed for effective academic collaboration.

Objectives

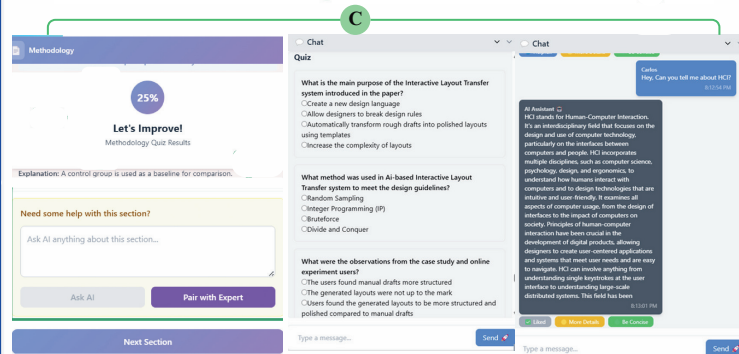
- Facilitate collaborative research paper reading using annotation, AI-powered summarization, and discussion tools.
- Enhance group understanding and engagement** through context-aware AI support and real-time interaction.

How It Works?

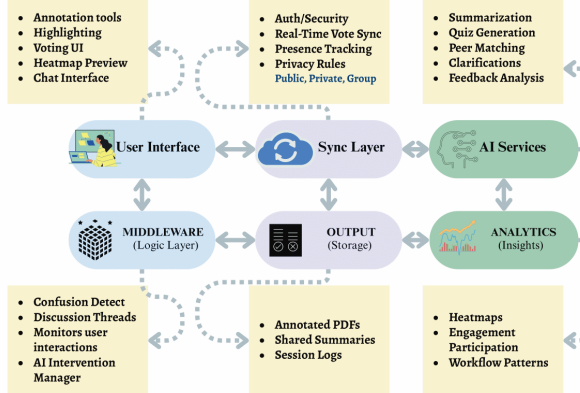
- Upload & Sync**
 - Teams upload papers to a shared workspace
 - Live collaboration: **See others' edits instantly**
- Annotate Together**
 - Highlight and comment simultaneously
 - Color-coded by user with **threaded discussions**
- AI-Powered Insights**
 - Smart Help: Answers questions using the paper's content
- Peer Support**
 - Pair users for help based on:
 - Expertise
 - Current reading progress

What is PaperPal?

An all-in-one platform combining real-time annotation, AI summaries, quizzes, and chat to streamline group paper reading.



System Architecture



Conclusion

- PaperPal promotes deeper understanding and inclusive collaboration in academic reading groups.
- Our system enhances research discussions by integrating AI-driven insights and group dynamics in one platform.
- By aligning individual insights and group dynamics, it transforms how research is read, discussed, and learned.