Of course. I understand your project is to build an **AI-powered email voice assistant** that can draft emails, summarize your inbox, and manage tasks by identifying and scheduling them.

Based on that, I have gone through all the papers you provided. Below is a simple explanation of the limitations for each one and a clear guide on which of those limitations you can realistically tackle in your final year project.

1. base-0.pdf (GlassMail: On-the-Go Email Creation on Smart Glasses)

This is your base paper. It's about an AI assistant on smart glasses for writing emails while walking.

Limitations Explained Simply:

- It only creates new emails: The system was designed only for composing brand new emails and does not support reading the inbox, replying to threads, or forwarding messages¹.
- It can't handle attachments or links: The prototype does not support adding things like files, bullet points, or hyperlinks to the emails it drafts²²²².
- The AI sounds robotic: The emails generated by the system often sound too formal and unnatural, especially for casual conversations, requiring a lot of manual editing by the user to fix the tone³³³³.
- Editing is clumsy: Making small, precise changes to the text using only voice commands is difficult and often inaccurate⁴.
- It's for smart glasses only: The entire system was designed and tested for smart glasses, which most people don't have, limiting its real-world use⁵.

How You Can Overcome These in Your Project:

• Expand the Scope (HIGHLY RECOMMENDED): This is the biggest opportunity for your project. Your plan to summarize the inbox and handle replies directly solves the primary limitation of GlassMail. You can position your project as a *complete* email assistant, not just a composer.

- Improve Personalization: You can directly tackle the "robotic tone" problem. The paper itself suggests that the system could learn from a user's past emails⁶. You can implement this by designing a feature that takes a few examples of a user's sent emails and uses them to guide the Al's writing style, making the generated content sound much more like the actual user.
- **Build for an Accessible Platform:** Instead of building for smart glasses, develop your assistant as a **mobile application**. This makes your project more practical and immediately relevant to a wider audience, directly addressing the platform dependency limitation.

2. base-1.pdf (AI-Powered Reminders for Collaborative Tasks)

This paper studies how Microsoft's Al-powered email reminders (Viva Daily Briefing) help people remember tasks.

Limitations Explained Simply:

- **Limited interactions:** The tool only lets users mark a task as "Done" or "Remind me"⁷. It doesn't allow for more useful actions like quickly replying or scheduling the task directly in a calendar⁸⁸⁸⁸.
- It's not always accurate: Users reported that the system sometimes surfaces reminders for tasks that are already completed or provides information that is out of date 9999.
- **Focuses only on one tool:** The research is based entirely on Microsoft's specific daily digest email, so the findings might not apply to other kinds of reminder systems 10101010.

How You Can Overcome These in Your Project:

- Create Smarter, Actionable Reminders: This is a perfect fit for your project. When your assistant identifies a task (e.g., "Can we meet on Friday at 2 PM?"), you can overcome the interaction limitation by having it ask, "I've found a meeting request. Would you like me to add this to your calendar?" This makes your assistant proactive and more useful than the system studied in the paper.
- Improve Accuracy with User Confirmation: To address the inaccuracy problem, your assistant can confirm tasks with the user before scheduling them. This

3. base-2.pdf (Emails by LLMs: A Comparison of Language)

This paper compares emails written by humans to those generated by AI, finding that AI emails are often too wordy, formal, and complex¹¹.

Limitations Explained Simply:

- It only studied 100% Al-written emails: The research looked at emails generated entirely by Al¹². In the real world, people often use Al to get a first draft and then edit it themselves (co-writing)¹³.
- The user study was small and biased: The feedback on the emails came from a small group of mainly university students, so their opinions might not represent everyone¹⁴.

How You Can Overcome These in Your Project:

- Focus on a "Co-writing" Experience: Design your assistant to be a collaborative partner. After drafting an email, allow the user to give follow-up voice commands like, "Make that sound more casual," or "Shorten the second paragraph." This directly addresses the paper's limitation by creating a more realistic and useful co-writing tool.
- Use its Findings to Guide Your Goals: This paper gives you a clear target. You can state in your project report: "Prior research shows AI emails are often verbose and impersonal¹⁵. Therefore, a primary goal of our project is to use personalization techniques to generate emails that are more concise and match the user's natural style."

4. base-6.pdf (LaMPost: Al-assisted Email for Adults with Dyslexia)

This paper is about an AI email-writing tool designed to help adults with dyslexia.

Limitations Explained Simply:

- Al accuracy was not good enough: The language models (from early 2022) were not reliable enough for real-world use, sometimes generating irrelevant or factually incorrect content ("hallucinations")¹⁶¹⁶¹⁶¹⁶¹⁶¹⁶¹⁶¹⁶¹⁶.
- Too many choices were overwhelming: The "Rewrite" feature provided up to 15 different options, which users found confusing and cognitively demanding to read through 17171717.

How You Can Overcome These in Your Project:

- Leverage Newer, Better Models: The models used in this 2022 study are older. You can state that your project will use a state-of-the-art model (like Gemini), which has significantly improved accuracy and is less prone to errors, directly addressing their primary limitation.
- Design a Better User Experience: You can easily solve the "too many choices" problem. Design your assistant to provide only the top 2 or 3 suggestions for a rewrite. This is a simple but important design choice that directly improves upon the user experience described in the paper.

5. base-4.pdf (ShortMail: An email summarizer system)

This paper describes a system that uses older AI models (like BERT) to create summaries of emails.

Limitations Explained Simply:

• It only works in English: The system was only designed to summarize English-language emails and would need to be re-engineered for other languages 18181818.

How You Can Overcome These in Your Project:

• Use a Modern, Multilingual API: This is an easy win. The models used by ShortMail have limited language support. Modern LLM APIs like Gemini are inherently multilingual. You can state that by using a modern API, your system naturally overcomes this limitation and can handle summarization for a wider range of languages.

6. base-5.pdf (TellTime: An Al Calendar with a Voice Interface)

This paper is about a voice-controlled calendar where an AI parses spoken narratives (e.g., "I woke up at 7, then worked out for 15 minutes...") into scheduled events.

Limitations Explained Simply:

- The AI often got the time wrong: The most common failure was the AI misinterpreting durations and scheduling events at the wrong time on the calendar¹⁹.
- The system was slow: Users felt that waiting for the AI to process a command was slow, especially for making small corrections²⁰²⁰²⁰²⁰.

How You Can Overcome These in Your Project:

• Use a Hybrid Approach for Task Scheduling: This is directly applicable to your task management feature. The paper found that users preferred a hybrid approach: voice for initial input and manual controls for corrections²¹. When your assistant extracts a task like "Let's meet next week," you can overcome the "wrong time" limitation by having it ask a clarifying question:

"I see a meeting request. What day and time should I schedule it for?" This makes your system more accurate and robust.