

Team Umeed

Participants:

- Vanshaj Awasthi
- Sakshi Nipane
- Sampurna Roy
- Prashant Dubey

Division:

Input Handling: Vanshaj

- Develop modules for text, voice, and image recognition.
- Ensure compatibility and seamless integration with the translation module.
- Focus on optimizing the recognition accuracy and speed.

Translation Module: Prashant

- Implement machine translation for text inputs.
- Develop speech-to-text and text-to-speech conversion for voice inputs and outputs.
- Incorporate OCR for translating text from images.
- Ensure the translation models are accurate and well-integrated.

Dialect and Output: Vanshaj & Prashant

- Identify and handle dialects for each Indic language.
- Display translated content using open fonts, implement linguistic collation.
- Collaborate to ensure the translated output is culturally appropriate.

E-commerce Flows Implementation: Sakshi

- Design and implement the search and discovery module.
- Integrate language preferences for payment confirmations, order updates, and customer service interactions.
- Ensure a seamless flow for users in different e-commerce scenarios.

UI/UX Design: Sampurna

- Collaborate on designing an intuitive interface for text, voice, and image inputs.
- Assist in implementing language preference settings for users.
- Focus on creating a user-friendly experience.

Testing and Integration: Sakshi, Sampurna

- Conduct thorough testing of the input handling module.
- Conduct testing for the translation module.
- Test dialect handling, linguistic collation, and translated output.
- Work together to integrate all modules into a cohesive system.
- Ensure seamless communication between different components.
- Address any issues discovered during testing.