



intel ai Hackathon

From Ideas to Impact, Accelerate with OPEA.

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Team Name : Innovators Hub

Team Leader Name : Isha Hemantkumar Nadargi

Theme: Intelligent Meeting Assistant

Team Members

Team Leader: [Isha Hemantkumar Nadargi]

Member 1: [Om Nitin Ghode]

Member 2: [Ritesh Raghunath Pilavare]

Brief About the Solution:

- Transcribes meetings using OpenAI Whisper
- Summarizes discussions with GPT-4
- Extracts actionable tasks from conversations
- Provides real-time Q&A and analytics
- Supports multilingual users with live translation

Motivation/Stats/References

- 70% of meeting time is unproductive (HBR)
- 67% employees report unclear meeting outcomes
- Need for smart tools in hybrid/remote work
- References: OpenAI Whisper, GPT-4, workplace surveys

Proposed Solution/Architecture

- Input: Audio/Recording
- Transcription: Whisper API
- Summarization: GPT-4
- Task Extraction & Q&A
- Analytics: Mood, speaker time, keywords

Tech Stack

- Frontend: React.js / Next.js
- Backend: Node.js / Flask
- Transcription: OpenAI Whisper API
- NLP: OpenAI GPT-4
- Database: MongoDB / PostgreSQL
- Visualization: Chart.js / D3.js
- Deployment: Docker, AWS / GCP

Assumptions

- High-quality audio is available
- User consent is obtained for recordings
- Reliable internet for real-time AI use
- GPT-4 can handle contextual meeting data

OPEA platform and microservices usage

- Microservices: Transcriber, Summarizer, Task Extractor, Q&A Bot, Analytics
- Platform ensures scalability and modularity
- API integration with Zoom/Meet/Teams
- Tracking model usage, logs, and performance

Novelty and Expected Results

- Combines transcription, summarization, Q&A, analytics in one tool
- Supports real-time multilingual features and emotion detection
- Expected: 50%+ time saved, 90%+ task extraction accuracy
- Improves accountability, inclusivity, and engagement



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Thank you