

Interact - Video Calling Android Application

This group project showcases a multi-user video calling app.

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interact

Application Overview



Android Studio Project

Built using VideoSDK for multi-user calls and uses AWS for cloud storage



Target Platform

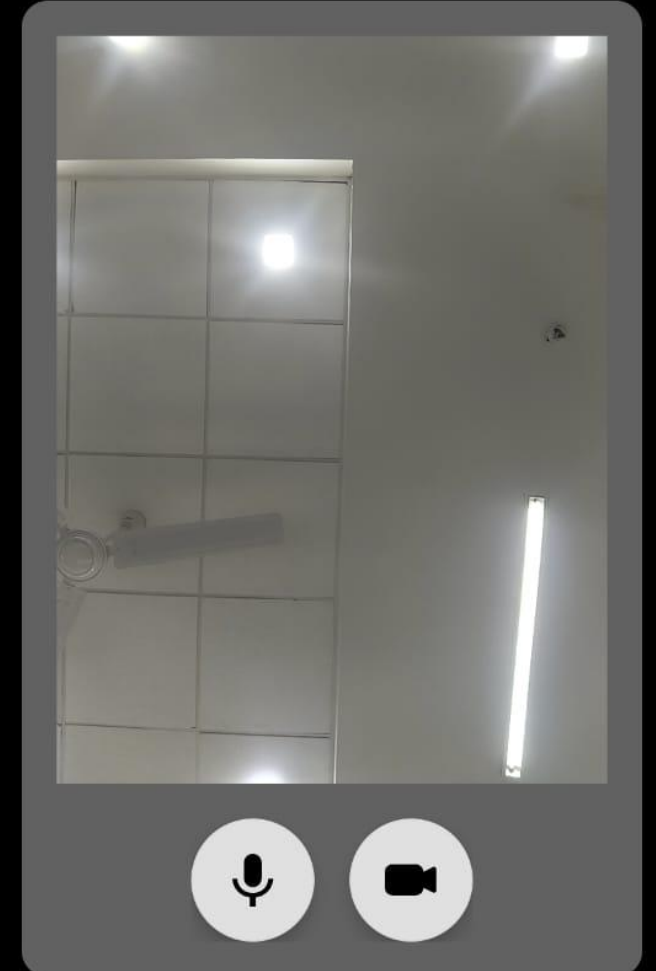
Android devices running API level 24 and above.



Features

Video conferencing, screen sharing, recording, transcription.

Interact



Create a meeting

Join a meeting

Core Features:

Communication

Create or Join Calls

Users can easily start or enter group video calls.

HD Quality

Supports 720p and 1080p video with clear audio.

Low Latency

Under 200ms delay for seamless interaction.

Multi-User Support

Handles multiple participants simultaneously.

Screen Sharing & Recording

Users can easily share screens and record meetings.

Transcriptions and summary

User can get the detailed transcriptions and summary of meeting.

Core Features: Advanced Collaboration

1

Screen Sharing

Share and annotate screens in real-time.

2

Session Recording

Record meetings in MP4 format smoothly.

3


Transcription

Automated text with 95% accuracy via cloud service.

4

Summary Generation

NLP-powered concise meeting summaries.

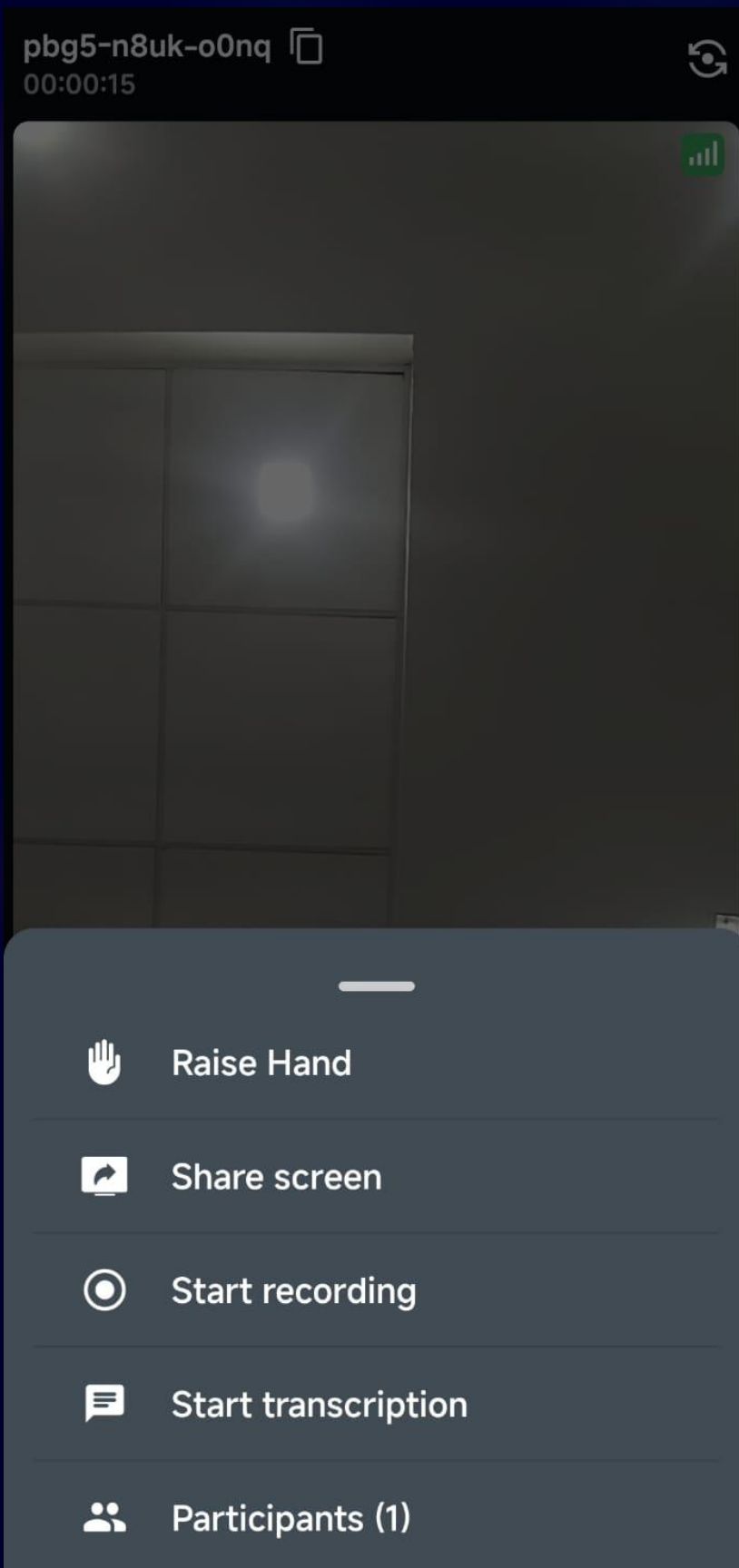
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Technical Implementation

Language	Java, XML
SDK	VideoSDK (version [x.x.x])
Architecture	Model-View-ViewModel (MVVM)
Database	AWS
Transcription	API
Min Android SDK	API Level 24

Future Enhancements

- Background blur and virtual backgrounds
- Calendar app integration for scheduling
- Improved UI/UX from user feedback



Thank You