

# Online Classroom Application with Video Conferencing

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## Features:

1. Login through Google.
2. Multiple users can access at a time.
3. Join classroom and create classroom option.
4. All classrooms displayed on login.
5. Classrooms can be accessed by different people.
6. Announcements in classroom for tests, assignments etc.
7. Video conferencing support with audio, video and screen sharing for about 12 people.
8. Media upload option for announcements.

## Tech stack:

1. Node.js
2. React.js
3. WebRTC
4. React Redux
5. React Router Dom
6. React Context
7. Firebase Firestore
8. Firebase Authentication
9. MATERIAL UI
10. Firebase Database

Demo Link:

[https://drive.google.com/drive/folders/1OKNUUv0\\_-wbtiUosugVXjBUTp8N7ssyD?usp=sharing](https://drive.google.com/drive/folders/1OKNUUv0_-wbtiUosugVXjBUTp8N7ssyD?usp=sharing)

Main Application Link:

<https://online-class-4e218.web.app>

Video Conferencing Application Link:

<https://online-meeting-room.herokuapp.com>