SYNOPSIS

ON

Synod:-*A Video-Conferencing Application*

Submitted By: **Submitted To:**

TEAM MEMBERS   MR. KUNAL GOYAL(SIR)

1.VIVEK KUMAR (191500919)
2.SARANSH PATHAK (191500721)
3.RACHIT SINGH (191500616)
4.KAPIL JADAUN (191500379)
5.HARSHIT SHARMA(191500330)

<u>INTRODUCTION</u>

Synod provides you a video conferencing service you can use to virtually meet with others- either by video or audio-only or both, while conducting live chats. It enables you to virtually interact with co-workers when in-person meeting aren't possible. You can create meeting rooms and can invite other people to join these meetings via your smartphones or PCs.

EXISTING SYSTEM

The Application Synod : A video conferencing application is truly based on online meeting apps like Zoom, Microsoft Teams , Google meet, etc,.
These apps provide services like commencing discussions, Live meetings   allowing users to virtually interact.

USE OF THE PROJECT

Currently, Covid-19 is forcing people to limit all non-essential physical contact which is creating new challenges in every aspects like in Business, Education, residential communities, Seminars and all other social gatherings.

- ❖ Video meetings from anywhere anytime: User can easily join/attend meetings through Synod   from anywhere anytime.
- ❖ Unlimited messaging: Users can also interact via chat messages.
- ❖ Online Education: Synod can be used to attend online lectures as
- ❖ almost all the universities are shifting towards online mode of
- ❖ learning.
- ❖ Group video calls: User can have video calls with their near and
- ❖ dear one's, friends etc

Feasibility of Project

Do's:-

- Easy create an account
- Easy schedule a meeting.
- Require Less connection Speed.
- Easy to join.
- Easy to Share Screen.

Limitation:-

- Server down when there is high traffic
- Not available for ios and pc's.

FUNCTIONAL SPECIFICATION

- ✓ Meetings and Chat. HD video, audio, & chat.
- ✓ Rooms and Workspaces . Power up your conference rooms with video.
- ✓ Video Webinars. Full-featured, easy-to-use, engaging webinars.
- ✓ Primary camera view will automatically toggle to the active speaker.
- ✓ Raise hand feature is included to interact in official meetings like lectures.
- ✓ Synod also offers many keyboard shortcuts, which come in handy when you don't want to use a mouse.
- ✓ To check the complete list of keyboard shortcuts, head over to Settings on your Synod app and select the
- ✓ Keyboard Shortcuts menu from the left-side list.
- ✓ When it comes to teaching, Synod is a great tool. But it could be difficult to handle a bigger group of participants. That's why Synod comes with Breakout Rooms to make the task easier for you. Breakout Rooms on Synod allow you to take care of a large group of participants and divide them into subgroups if needed.

Software Specification

- ❖ Technology Implemented : React JS, Node, SocketIO.
- ❖ Language Used : JavaScript
- ❖ Database : Firebase
- ❖ User Interface Design : CSS, Bootstrap, TailWind.
- ❖ Supported Browser : Chrome, Firefox, Brave, Edge.

Hardware Requirements

- ❖ Processor : Single core processor 1GH or higher.

- ❖ Operating System : Windows 7 or higher.

- ❖ RAM : 2 GB or higher.

- ❖ Hardware Devices : Webcam, microphone, speaker.

<u>Future Scope</u>

Nowadays, many business organisations and educational units are taking meetings, discussions and classrooms through online mode due to the ongoing covid-19 crisis. So there is a need for online meeting apps like zoom to provide seamless experience to the users.

The market available for online conferencing apps:

#As per PR Newswire reports, the global market for web conferencing apps is expected to grow by $25 billion by 2025. Compared to previous quarters it has been an increase in CAGR of 9.5 %, showing the promising growth this sector holds.

According to reports by Frost and Sullivan, the market for web conferencing apps is said to increase by 23% in the forecasted period.

Corporates and other organizations feel by conducting meetings through the remote conferencing app, they can save 30% on travel expenses.

In case of colleges and universities, online plateform saves electricity and expenses resulting in low tuition fee making education in top universities affordable to larger section of society.

In addition to that, it increases productivity from the employees as they can easily voice their views and opinions through these advanced solutions.