

# 1

## Succinctly explain your understanding of the problem statement.

With the onset of the COVID-19 outbreak, the world saw a complete lapse of communication and collaboration in lockdown and quarantine. India has done an excellent job in keeping COVID 19 at bay with nationwide lockdown, and thus there is a dire need to where millions of users have to adapt to work from home situations. The government has to become extra functional to cater to the needs of the nations and provide continuity of service.

The diverse, multilingual Indian culture requires an originated in India solution that can facilitate work from home situations to protect and ensure job continuity by enabling people to work from home and minimize economic downturn. The video conferencing solution requires the following:

- Must have an end to end encryption and increased security measures to safeguard organizations, businesses, and other users against cyber threats, cybercrimes.
- Maintain reliable network connectivity during disruption
- A platform that enables switching planned events to digital events
- A platform that has a seamless user interface for an audience with technology limitations, unawareness, and adoption
- Be able to work adapt to the changing and environment for work and office.

With modern technology adoption and a thorough understanding of challenges and processes, a new robust video conferencing solution can turn challenges into opportunities, minimize the impact of the disruption, facilitate continuity of our nation and enable our connected future.

# 2

## What is the research and development work that has already been done in this area?

There are several video conferencing solutions flooding the market. Video chats and conference calls are a regular part of professional and personal life. With the onset of COVID 19, remote working solutions have boomed high.

### Global scenarios

- From 2019 the video conferencing market has been dominated by top players like Zoom, GoToMeeting, Cisco Webex, Plantronics, Adobe Systems, Microsoft, and others.
- In the year 2018, NTT Limited funded 'High five, with USD 32 million for the development of integrated hardware and software video conferencing software.
- Siemens and Koninklijke Philips N.V. are collaborating with other companies like 'Vidyo' to launch a telehealth platform for doctors to monitor patients remotely.
- With Technologies giants like Amazon, Google entering this space, the global video conferencing market is projected to reach USD 8.56 Billion by 2027.
- Zoom spent \$33 million on R & D before it went public. Zoom usage has boomed from 10 million to 200 million daily active users in just 3 months.



## Indian Scenario

- Countries of Asia Pacific have shown a growing usage and development of such solutions in the past two years. The majority of the countries in the Asia Pacific section are witnessing the development of digital communication infrastructure to deploy these systems.
- Video conferencing platforms would be principal market drivers with the proliferation of 4G, and later 5G connectivity.
- Video Conferencing as-a-service (VCaaS) is set to be a crucial provider to the contribution of market growth.
- Research & development of 5G technology in developed countries fuel the video conferencing market growth, and the adoption of cloud-based technology will make video conferencing possible to just about any location.
- In 2019, Ericsson and Qualcomm used the 28 GHz Spectrum to run the first 5G live video conference in India.
- Technology launches and R & D activities are crucial strategies adopted by various companies in the video conferencing market.
- AI access and analytics will play a significant role in the future of video conferencing.
- The audio and visuals will continue to remain the utmost requirement of any video conferencing platform.

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### Briefly describe how you approach to solving the problem statement. (You may use flow charts & diagrams)\*

- Our product is aiming to solve the problem statement addressing each requirement set forth by Meity.
- **Meeting schedule:** Our product will provide multi-attendee meetings with chat and conference call options. The product will feature agenda-based sessions, secured platform, meeting recording, captioning, meeting transcriptions, minutes of the meeting, scheduling, whiteboarding, breakout rooms, meeting room management, security management, etc.
- Agenda enabled meetings will help moderators to direct the flow of the meeting as desired sequentially while also making sure that no point is missed in the discussion. The meeting recordings will be split into sub-parts based on different agenda items so that users can jump onto the specific agenda point if needed.
- **Browser requirement:** The solution/product will run on any browser to conduct an online meeting. There is no need to install any special applications, plugins, or libraries.
- **No internet scenarios:** The external joining functionality will make it easier for external attendees to join the meeting. For the users who might be struggling with their internet connections because of their geographical region or any other reason, we will implement 'join the meeting by calling' using a dial-in number feature. The product will be designed to work without any external dependencies and will not require any robust processor.



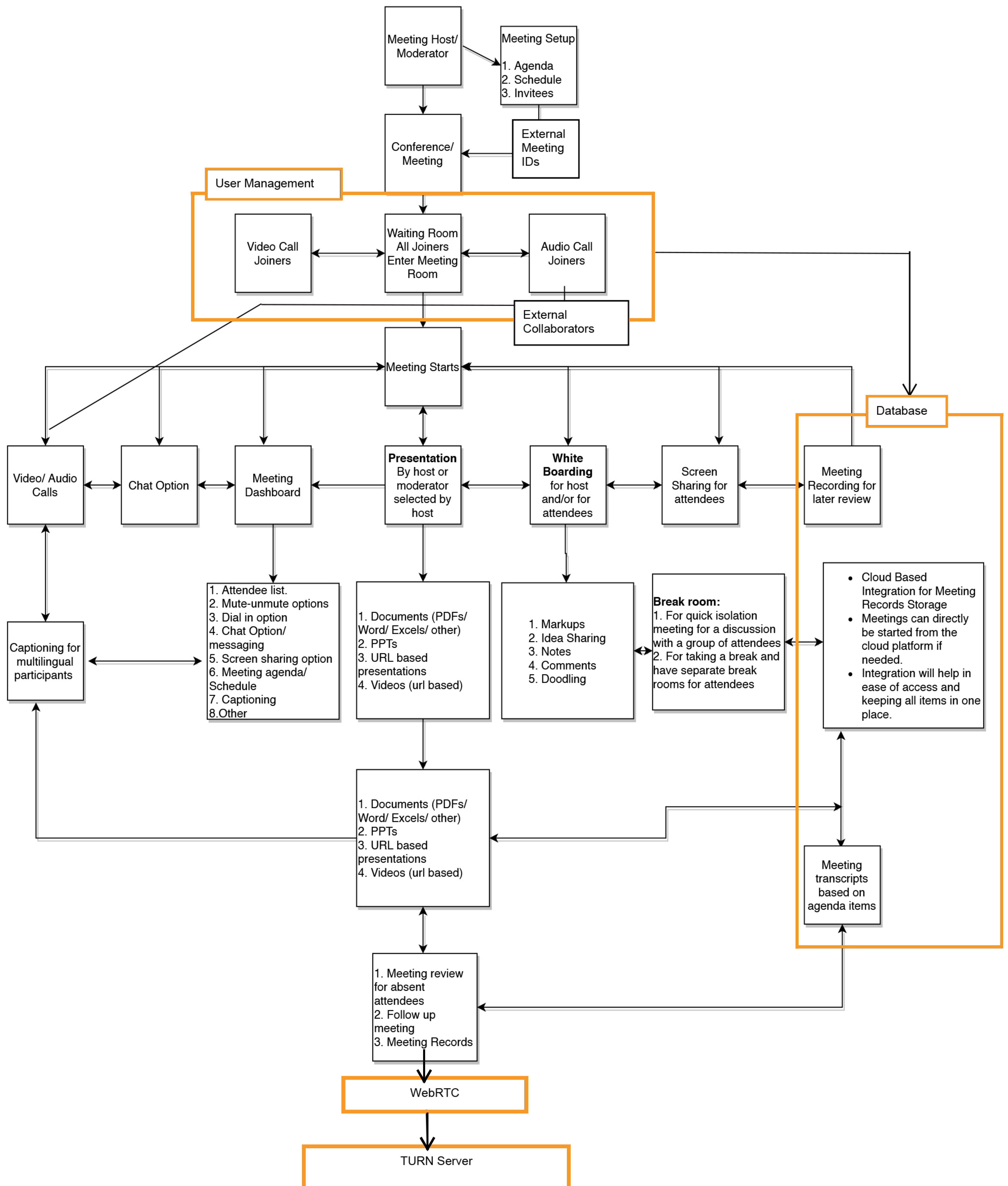


Fig. 1 : Process Flow



- **Device/ hardware requirements:** There are no special hardware requirements. Our product will work on any device. It will have a desktop, laptop, tablet, and phone version.
- **Security solution:** The password-protected meetings will make the meetings secure and allow attendees with password only. End to end encryption, use of SSL will provide a robust platform.
- **Meeting features:** Our product will have a different meeting room for various projects to make user management and team management more effortless.
- The waiting room feature will allow for attendees to wait until the moderator or host starts the meeting.
- The meeting moderator will have various controls so they can mute/unmute users, lock all attendees from sharing video/webcam/mic or viewing list of attendees.
- The chat option will allow users to discuss during the meeting.
- The captioning option will be helpful for multilingual attendees.
- Shared presentation, whiteboarding, and multiuser participation for review and mark-up will provide a new user experience to all the attendees. It will help in sharing, expressing concepts and ideas across all attendees.
- Breakout rooms feature will allow the attendees to be divided into smaller groups into different rooms for a set duration so the groups can discuss their topics or plan of action in isolation from the rest of the attendees.
- **Cloud Integration:** Our product will integrate with cloud solutions for storage and management.
- The host/ moderator has an option to record an audio-video meeting, create a transcript will help team members to review the meeting sessions for a later date and for all those who missed the meeting. The transcript will also be helpful for people with a language barrier.
- Users can create a summary or “Minutes of Meeting” after the meeting is completed so anyone can see what that specific meeting was discussed.
- **AI machine learning:** The AI interface will help in continuous product improvement and development.

## 4

### What will your innovation focus on?

- Application of existing technologies in new areas (combination/ adaptation of existing approaches)
- Development of new technologies for existing areas
- Totally disruptive approach (Original/ New Concept)

Given the limited time scenarios, the development of new technologies for an existing area with a disruptive approach may not be feasible; thus, we will focus on the combination of all three methods. Our innovation's 50% focus will be on the combination and adaptation of existing technologies, the user experience, utilization of AI for product evolution. We will focus 30% on the development of new technologies with the use of AI. Our product will continue to evolve and adapt to the user's scenarios. A disruptive feature will comprise the remaining 20% of our product.



Our primary focus will be around data security, seamless user experience, AI utilization for continuous product development, and a robust product that will withstand low and or high network scenarios. As a part of the digital transformation approach, our disruption would also focus on speed & scalability, efficiency, modern and relevant features for easier collaboration, and a significant cost cut-back on pricing for users and businesses

Video conferencing is here to stay, and our innovation will continue to dig deeper into various activities, tasks, etc. for businesses, and continue to evolve and adapt for use cases.

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## Describe the following regarding your solution: -

- Solution Type (Hardware/ Software)
- Process Flow (Process Flow Diagrams may be leveraged for explaining)
- Key Technology Involved
- Solution Capabilities (e.g. Preventive, Detective and/ or responsive)
- Features & Specifications
- Interoperability with existing technologies
- Scalability
- Resource Requirement& Management (e.g. Memory)
- Platform Dependence\*

### Solution Type

**Hardware:** No specialized hardware is required for the users. Can work of any device – Laptops, Desktops, Phones, Tablets.

**Software:** Requires any web browser. Given the time frame, the solution can be developed using an open-source codes/ technologies like BigBlueButton with features such as user management, permanent meeting ID, join by phone, sharing meeting links, a custom meeting invite links. Sharing/downloading/ viewing meeting recordings, meetings transcripts, and agenda will also be developed through this customizable opensource platform.

Once the user registers, they do not have to deal with any hardware or software changes from their end, they can just start hosting/joining meetings. As for the user, they do not need to worry about any configuration; they have all the options available to them from their account dashboard. The basis of the product will be HTML5, and hence it can be used on any internet browser.

The whole focus for this video conferencing product development will be to meet all the requirements set forth my Meity.

### Process Flow (Process Flow Diagrams may be leveraged for explaining)



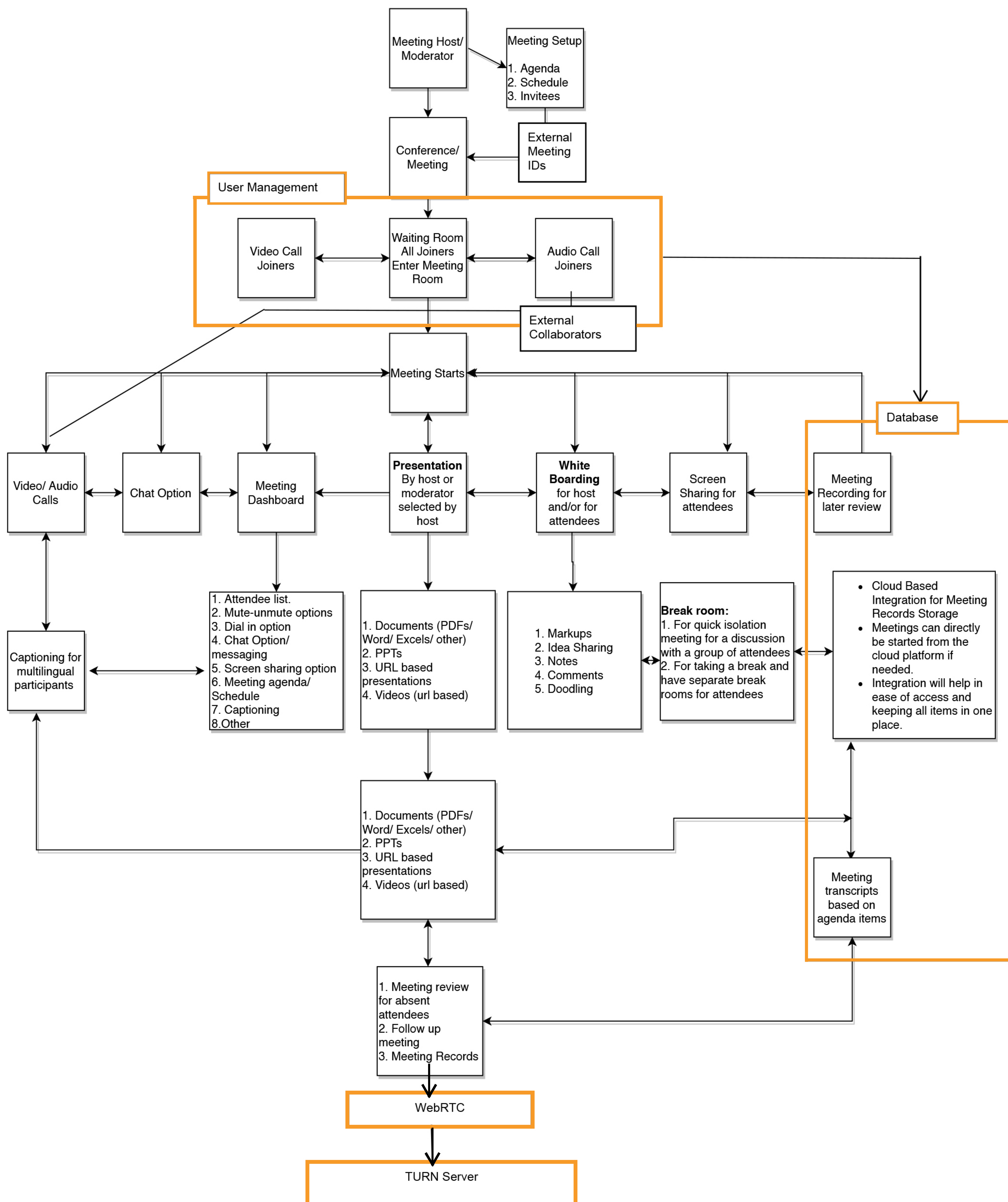


Fig. 2 : Process Flow



## The Process Flow

**Step 1:** Users Registration: users that register the video conferencing product will register on the Products suite.

**Step 2:** Meeting Agenda/ Scheduling: The host/ moderator can create meetings for different projects as needed depending upon how they choose to utilize the concept of projects based on their approach. Various projects can have separate meeting rooms, and the user can assign other users to their projects.

- Users can create different meeting rooms within each project, such as a meeting room for board meetings, a sales meeting room, a project management meeting room, etc. When the users create a meeting room, they can choose if the meeting is recurring. If it is, they can schedule if it is supposed to be conducted on a daily basis, or weekly, or monthly.
- The user can add agenda items to the meeting before starting it, or it can also be added when the meeting is running. The purpose of the agenda items is not only to create a list of items to be discussed, but it can also segregate the meeting into smaller parts to record based on when any specific agenda was discussed.
- Attendees can join the meeting if they have an invitation link. The invitation link will be sent via email with all the details about the meeting. The email will include the name of the meeting room, the date and time when it will be conducted, a link to join the meeting externally, the meeting ID, the meeting entering pin, the phone number to call if the person wants to dial in, the conference pin for that meeting and so on.

**Step 3:** Waiting Room - The waiting room feature will get all the attendees in a waiting room before the host/ moderator decide to start the

- For attended to join via phone will dial into the meeting can simply dial the phone number sent in the invitation. Upon calling that number, the user will be asked for a conference pin, which will be available in the invitation email as well. The Dial-in attendees will also be taken to a waiting room until the host/ moderator starts the meetings.

**Step 4:** Meeting Starts - Once the meeting starts, the host/moderators provide permission to share screen, make a presentation, promote someone else from the attendees to a moderator, mute or unmute any or all attendees, lock them from using the mic, sharing screen or webcam.

- The host/moderator can upload new presentations, choose if other users can download the presentations or not, record the meeting, create breakout rooms.
- The meeting will have a number of features for a complete meeting user experience that includes
  - Dashboard with Names of attendees, Mute-Unmute option (for the host), Dial-in option, Chat option ( messaging), screen sharing option, meeting agenda/ schedule, captioning for multilingual, etc.
  - Presentation Window for Pdfs, MSWord, Excel, or other documents, ppts, URLs to websites, ppts, videos can be displayed on the presentation window screen for attendees to view and discuss.
  - The whiteboarding feature will allow attendees to provide comments, notes, markups on a document, or just write on the board.



- Breakroom feature provides a quick break for participants to have a meeting in isolation to discuss particular item within smaller groups.

### Step 5: Meeting Recording

- Host/ Moderator can choose to record the meeting to be reviewed at a later date.
- Meeting transcripts are created and divided into smaller parts based on different agenda items discussed in the meeting and stored on the integrated cloud platform that allows for file storage.
- The attendees who missed their meetings can access these files to get an update on the topics discussed. Other attendees can also access these for review or a quick recap; the moderator can choose to send these transcripts as meeting minutes or can use it to prepare for the follow-up meeting.

## Key Technology Involved

The key technologies involved will be HTML5, BigBlueButton, React.js, WebRTC, Meteor.js, MongoDB, RedisDB, Python, Ruby on Rails, Freeswitch, Kurento Media Server and LibreOffice.

The front end will be developed using C#.Net, HTML and AngularJS. The database that stores all the data is in a Microsoft SQL database. The kurento Media Server is hosted on an AWS EC2 and uses AWS CloudFormation.

## Solution Capabilities (e.g. Preventive, Detective and/ or responsive)

**1. Detection of IP address and OTP set up to access the account:** The solution stores safe IP addresses of the users as part of a security measure. So whenever a user accesses their account from a new IP address, the system will detect it and automatically send an OTP to their registered email address, and the user will have to complete the OTP step to access their account. If the user completed the OTP step, that IP is then marked as a safe, and the user won't be prompted for an OTP the next time, they are found to be accessing their account from the same IP address.

**2. New Device or New IP Detection:** As a detective measure as the user can find out if someone else tried to access their account with the correct ID and password as the user will get an email with the OTP. The user can then change their password if required to fend off future attempts to access their account. If a new device is used to access the account, again, an email will be sent to identify the device.

**3. Meeting Password/ Pin Protection:** Using passwords for meetings is a security measure that can help users avoid unwanted visitors in their meeting rooms. People with the external join link can get their hands on the meeting ID, but without the meeting password, they won't be able to get inside the meeting room. Similarly, for dial-in users, they cannot join the meeting without the conference pin for that meeting ID.

**4. Preventive Measure of daily checks:** The servers, as well as the database, will be checked daily for unauthorized attempts to gain access, and measures are taken accordingly to avoid such attempts. The systems that can access the servers are the various parts of the system and the admin, any other systems/ip addresses are blocked by the firewalls so they cannot have access even if they were to get their hands on the correct credentials required to access the servers or database.



**5. Server Failsafe Strategy:** If, by chance, the server where the BigBlueButton module is hosted crashes or becomes non-responsive, the server where the frontend is hosted sends out a notification to the admin informing about the failure so that they can quickly resolve the issue. As failsafe, alternate servers are ready to be deployed in minutes in case of a major failure. The alternative server can also be configured to be deployed automatically if needed, but usually, manual interference by an admin is preferred as they can make the decision if the alternate server needs to be deployed or the current one can be reinstated quicker.

## Features & Specifications

1. Meeting Agenda and Scheduling Feature
2. Dial-In meeting Option
3. Waiting Room
4. Actual meeting/ Conference with multiple attendees
5. Presentation Window
6. White Boarding
7. Breakroom
8. Chat option
9. Screen sharing
10. Attendee list
11. Multilingual user captioning
12. Meeting Recording with integrated cloud platform
13. Meeting transcripts for meeting minutes
14. AI and Machine Learning for product improvement and adoption to user interface

## Interoperability with existing technologies

As the software requires nothing else but only a browser, it can be used on any device with any operating system. You can use it on Google Chrome, Mozilla Firefox or Safari, etc. You can use it on Windows systems, Mac Systems, Android phones, Apple phones, and anything else that can open up a web browser. So, the solution has no issues related to interoperability with existing technologies

## Scalability

The product will be designed with the support of technologies, which will enhance its capabilities to evolve as demand increases.

The product will be designed to address small to massive levels of service usage, load handling without any impact on its functionality, performance, and reliability.



The product will be able to respond to changes as demand increases without jeopardizing its quality and output. The automatic load balancing, clustering, and parallel processing will be some of the features used for the product to scale without significant impact to its costs or functionality .

The constant monitoring of the use of the application along with the machine learning feedback, the company plans to keep on building new features and product updates for future usage and scalability for the influx of demand or productivity increase requirements or for changing needs and trends.

## Resource Requirement & Management (e.g. Memory)

**Server Resource:** The server can be scaled to use a load balancer in such a way that multiple servers with BigBlueButton can be set up, and the load balancer will send incoming requests to the server with the minimum load to distribute the load evenly. The general requirements on a single server are a 4 core CPU and 8 GB of memory. This configuration can be used to host 250-300 concurrent users without using webcams or screen sharing. Strategies can be implemented in order to scale the product as demand and trends change.

**User Resources:** Internet bandwidth. The quality of the headset, mic, a webcam is a user choice.

## Platform Dependence

As the platform need nothing else but a web browser, it does not have any dependence on any other technologies or platforms apart from the technologies listed under question number

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## How would you estimate the Risk Mitigated/ Reduced by deploying your solution? (You may explain using Qualitative and/or Quantitative approaches)

**Some of the significant areas of concern or risks in using video conferencing solution are:**

1. Data Security
2. Privacy Security
3. Meeting Privacy/ Open link meetings for hackers to enter in
4. Loss on interest by meeting participants due to inefficient audio-visual components or low network situations.

**1. Data Security:** Users in virtual meetings can experience difficult situations wherein meeting data is not secure., viz it is collected and sent to third parties. Our product will focus on end to end encryption for all meetings to mitigate the risk of data security.

**2. Privacy Security:** User privacy is an important feature that all digital products worry about. Cyber thefts are around user data, activities, stored information, cache memory, etc. Our product will ensure security measures, deletion of cache memory post meetings, uses of Secured Socket Layer (SSL), password protection, encryption to make user experience secured and worry-free.



**3. Meeting privacy:** Recently, 'zoom bombing' created headlines as uninvited visitors/ hackers visitors entered meetings. Meetings for government officials are confidential, and thus such situations can pose severe threats to workplace security. Our product will not conduct open-linked meetings, have a waiting room feature that will allow hosts to ensure all users are present before joining meetings, facilitate granular permissions, uses a Secured Socket Layer (SSL).

**4. Loss on interest by meeting participants due to inefficient audio-visual components and or low network situations:** Excellent audio-visual quality is a dire requirement of any audio-visual product. Our product will provide a state of art user experience with quality audio-visual components. Dial-in join meeting options will be made possible to mitigate the risk of missing an important meeting.

We aim at developing the most robust security measure with machine learning features that will learn and improve security measures to mitigate the risks of cyber threats, uninvited guests, secure user privacy, reliable data, secure meeting confidentiality etc.

In terms of the security issue, our video conferencing software does not conduct open-linked meetings, facilitates granular permissions, uses a Secured Socket Layer (SSL), and clears the cache after a meeting is over.

## 7

### Explain business use case of your innovation (with Examples)

#### Use case for training and development for education sector:

The education sector can utilize our video conferencing platform in the following way:

**Step 1: Meeting Set-Up:** The teacher will act as a moderator. The moderator will conduct the class/meeting for all invited students.

**Step 2: Scheduling Meeting & Agenda Option:** The teacher schedules classes/meetings for a period of 3 months (can schedule for a more extended period as well). Agenda options will make it easier to divide the whole lecture into sub-parts based on the agenda item. The teacher then sends an invitation to the students.

**Step 3: Waiting Room:** The class starts on the scheduled date and time. The students, when they join the meeting, enter into a waiting room. The teacher will confirm the number of participants and starts the class.

**Step 4: Conduct Class/Meeting Video & Chat:** The teacher starts the meeting. The teacher can lock all the attendees from using their webcam or mic so that the students cannot intervene without the teacher's permission. The conference is conducted in a video format with an option for chat for texting and or asking questions.

#### Step 5: Presentation Sharing and Whiteboarding:

- Audio video presentation sharing
- Power point or pdf presentation sharing
- URL/ link to video sharing
- Whiteboarding
- Chat option
- Captioning for multilingual participants



All of these presentations or whiteboarding will have an option to markups/annotations by participants. The sharing and whiteboarding is an excellent feature as it makes it easier for the teachers to explain topics thoroughly and in a way they prefer. The multi-user whiteboard will make learning fun for students as they interact with the teacher or each other using the whiteboard feature. It can also be used as a way to allow students to engage in fun activities such as math or doodle games.

**Step 6: Breakroom:** The teacher can provide assignments in break room sessions where groups of students can participate separately while the original session is still ongoing.

**Step 7: Record meetings:** In case some of the students missed a lecture, the teacher has an option to record the meetings/ lectures and share with students who missed it. Our product will record meetings and time stamp them into smaller sessions. Integrated Cloud Solution will help the teachers to store the meeting recording on the cloud from where it can be downloaded whenever needed. The integration of performance-grade cloud servers that scale traffic based on needs and requirements. The cloud server architecture is itself robust in handling substantial traffic and data volumes.

**Step 8: Meeting Minutes/ Cloud Intergration:** The teacher then sends the classroom synopsis to the authorities or parent of what was taught during the meeting, which the program will create.

Our solution can be deployed for any use-case for continuous communication and collaboration, and users do not have to worry about information being lost from/during a meeting based on meeting recordings, secure cloud hardware, and software security.

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## What is the USP of your innovation? (For e.g. Time Saved, Improved Efficiency etc.)\*

The USP of our innovation lies in its use of AI, security features, the collaboration tool, the breakroom tool, and the user experience. We use Secure Socket Layer (SSL), and clear the cache memory after each meeting. Our collaboration tool provides real-time review and collaboration on the agenda or the documents discussed/ reviewed during the meeting as well as the breakroom allows smaller groups to discuss in isolation.

Seamless user experience from any device ( desktop/ laptop/ phone) with enhanced engagement, real-time team connections, enhanced meeting participation, better productivity, robust security, and risk management with time and cost savings we consider our product to provide a holistic video conferencing solution our nation requires.

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## Does your innovation require assistance of existing products? \*

The product will use some open source codes and technologies as listed in answer to question number 15 – technology stack. As the product scales and evolves, the company will continue to develop internal codes to make the product more robust and standalone



**10** Does your innovation have relevance to an existing or emerging technical standard? (A technical standard is a set of requirements for ensuring interoperability among devices or promoting reliability, productivity, efficiency, or safety of devices) \*.

All accessibility features are and will be implemented in compliance with the ARIA (Accessible Rich Internet Applications) standards and WCAG (Web Content Accessibility Guidelines)

**11** Briefly describe key technical hurdles that needs to be overcome to implement your innovation, and the resources required to do so.

The major technical hurdles that are encountered during the implementation of our product will be network bandwidth and firewalls. Firewalls are a challenge when it comes to accessing ports within the protected network. We will use a turn server that is set up on AWS CloudFormation and or CSP server by Meity and will be hosted on their server. This turn server is a Kurento Media Server configured to be used with our product currently. The turn server sets up protocols for communication between systems, even if they are behind firewalls.

Migration can be done once selected to the Meity server to mitigate technical issues. As the product evolves, the main focus of the company will be to build on technical issues if they arise and on the feedback on AI.

**12** Are there any key partners whom you plan to work with to develop the technology? \*

No. Not yet shortlisted.

**13** Are there any key partners whom you plan to work with to develop the technology? \*

Our product aims to be a standalone solution for the all video conferencing solution that is designed to be a combination of useful features from all successful video conferencing products

**Design wise:**

- Seamless User Interface
- Ease registration process/ scheduling and setting up agenda
- Ease to join the meeting
- User-friendly dashboard



### Quality wise:

- Robust Security components
- Excellent Data Security
- Meeting Password Protection
- High Privacy settings

### Additional Features:

- Waiting Room
- Breakroom
- Whiteboarding
- Captioning for multilingual
- Transcription
- Integrated cloud platform

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### Succinctly state why your company should win this award.

(Please provide any additional information/supporting documents /testimonials that hasn't been covered in the above questionnaire, but that you feel will underpin your nomination)

Being a user of the video conferencing platforms ourselves for several years on a daily basis, we understand the pain points faced by users during different scenarios. After using a couple of different platforms for video conferencing, we realized that there no such product in the market, which could be called a complete video conferencing solution. We decided to build a platform internally for our use that can address each pain point every attendee had during our user experience of other video conferencing products. Our beta version address most of the issues Meity has put together. We thus proudly state that our product provides a holistic, one stop solution for our Government looking for a seamless user interface and vigorous security platform.

Our seamless user interface, end to end encryption, breakroom, waiting room features, along with constant product development using AI makes our product stand out from the competition. Our product does not require any special software or hardware installation; it can run on any web browser.

With all the different conferencing apps out there, we intend to make this app stand out by harnessing the power of information inter-connectivity and works as a standalone solution for our Government's video conferencing challenge.

15

### Briefly explain the following: Technology Stack used to Develop the video conference App or Deployment strategy and work plan to go to Live

- A HTML - For developing the frontend, a responsive web application.
- ReactJS - For rendering the user interface in an efficient manner.



- WebRTC - For sending/receiving audio and video.
- Meteor.js - For communication between client and server.
- Redis PubSub - Provides a communication channel between different applications running on the server.
- RedisDB - To store all events of a recorded meeting.
- AngularJS - To make the frontend dynamic.
- Javascript - For the frontend.
- MongoDB - For keeping the state of each BigBlueButton client consistent with the BigBlueButton server.
- NodeJS - For making the server non-blocking, event-driven.
- C#.NET - The backend code of iFMeets.
- SQL Server - For managing the database.
- Various AWS services such as Cognito, Elastic Cloud Computing, Simple Storage Service, CloudFormation, Relational Database System.
- Lambda - For respective purposes such as user management, server hosting, data storage, deploying cloud formations, database management, cloud scripts, etc.
- Ubuntu - The OS required by BigBlueButton.
- Windows IIS - For hosting the iFMeets website.
- Nginx Server - The web server for BigBlueButton.
- Apache HTTP - As a web server.
- Python - For writing scripts for BigBlueButton.
- Ruby on Rails - For writing scripts for BigBlueButton.
- Freeswitch - For audio conferencing and integrating the webrtc audio with SIP trunking to allow the dial-in feature.
- JQuery - Used in conjunction with Javascript for the frontend.
- Google Analytics - To observe the users and usage patterns of the portal.
- Modernizr - For making the user experience better.
- Kurento Media Server - For streaming of webcams, listen-only audio, and screen sharing.
- LibreOffice - For working with documents and converting them to pdf format so they can be used as a presentation.
- Etherpad - For shared notes.
- PHP - For API for communication between product server and the meeting server.
- Swift - For the iPhone/iPad application.



## What is the planned roadmap for the company in the short and long term? (Share details about expansion plans, plans for ramping up production/development, collaborations/tie-ups being sought, garner support from relevant bodies/regulators)

Once selected as a finalist, we will establish a detailed roadmap plan for expansion.

To summarize the ideas, in the short term, our product will focus on low-cost, high quality, and robust security solution for the use by the government.

Our long-term strategies are to expand with investors and enter the next phase. In the next stage, we will start investing and integrating with educational and training content providers for helping them deliver a robust virtual training platform with more private and integrated options for students and employee training. We will continue to focus on

- Addition of new features
- AI feature improvement
- Target for pan India statewide government department user expansion
- Education sector- training & learning expansion
- Seek tie-ups with significant investors