

Requirement Gathering and Analysis Phase
Solution Requirements (Functional & Non-functional)

Date	22 June 2024
Team ID	PNT2022TMIDSWTID1721142115
Project Name	Project – Video Conferencing Application
Maximum Marks	3 marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	<ul style="list-style-type: none">• Registration through Form• Registration through Gmail• Registration through LinkedIn
FR-2	User Confirmation	<ul style="list-style-type: none">• Confirmation via Email• Confirmation via OTP
FR-3	Video Conferencing	<ul style="list-style-type: none">• Initiate a Video Call• Join a Video Call• Real-time Audio & Video Communication• Screen Sharing• Mute Audio & Video
FR-4	Collaboration features	<ul style="list-style-type: none">• Virtual Whiteboard• File Sharing• Chat Functionality
FR-5	Call Management	<ul style="list-style-type: none">• Schedule Meetings• Manage Participants• Recording
FR-6	User Management	<ul style="list-style-type: none">• User Profile Management• Contact Management
FR-7	Calendar Integration	<ul style="list-style-type: none">• Connect calendar accounts(e.g, Google Calendar, Outlook)• Application displays upcoming meetings• Create and add events to the calendar

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	<ul style="list-style-type: none">• The user interface should be intuitive and easy to navigate for users of all technical backgrounds.

		<ul style="list-style-type: none"> • The application should provide clear instructions and visual cues for all functionalities. • The video conferencing experience should be seamless and user-friendly.
NFR-2	Security	<ul style="list-style-type: none"> • The application must implement secure user authentication and authorization mechanisms. • All data transmission, including audio, video, and messages, should be encrypted. • The application should be compliant with relevant data privacy regulations.
NFR-3	Reliability	<ul style="list-style-type: none"> • The application should be highly reliable with minimal downtime or disruptions. • The video conferencing experience should be stable and consistent across different network conditions.
NFR-4	Performance	<ul style="list-style-type: none"> • The application should deliver high-quality audio and video with minimal lag or latency. • The application should be responsive and provide fast loading times for all functionalities.
NFR-5	Availability	<ul style="list-style-type: none"> • The application should be available to users 24/7 with minimal downtime for maintenance. • The application should be able to handle high volumes of concurrent users without performance degradation.
NFR-6	Scalability	<ul style="list-style-type: none"> • The application architecture should be scalable to accommodate a growing user base and increasing call volume. • The application should be able to integrate with additional features and functionalities in the future.