



## Mess\_ICE Mobile Application & Website



### REVISION HISTORY

Doc. Version.	Date	Author	Description of Revision
1.0	Aug 23, 2023	CIS	Estimation Document
1.1	Aug 28, 2023	CIS	Revised Estimation
1.2	Sep 04, 2023	CIS	Revised Estimation
1.3	Sep 22, 2023	CIS	Revised Estimation
1.4	Sep 27, 2023	CIS	Revised Estimation

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## 1. COMPANY INTRODUCTION

Established in 2003, Cyber Infrastructure Pvt. Ltd. (CIS) is a leading IT and consulting company in Central India. Since 2003, CIS has been providing highly optimized technology solutions and services for SMEs and large scale enterprises across the world. Our global delivery standards have received accolades in the form of prestigious quality certifications of **CMMI Level 3** and **ISO 9001:2015**.

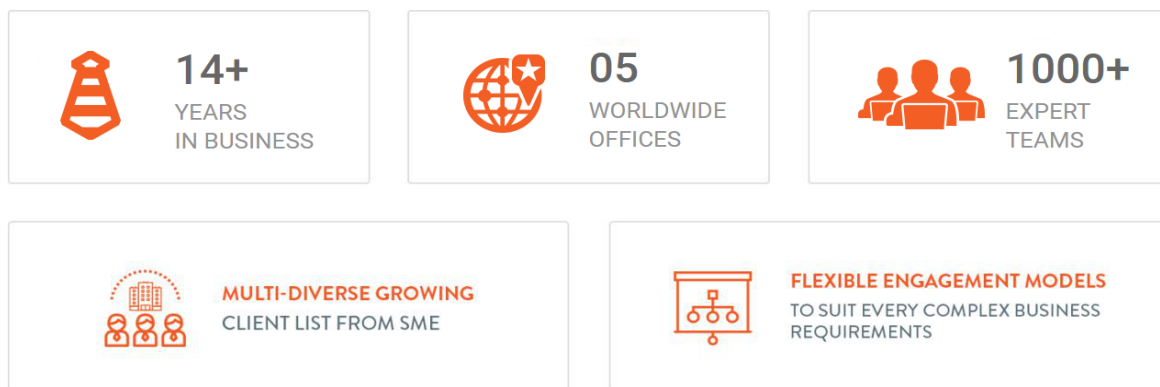
CIS has worked with 2100+ clients in more than 100 countries. Our expertise and experience ranges across a wide range of industry domains like education, finance, travel and hospitality, retail and e-commerce, manufacturing, gaming, media and entertainment, logistics, hi-tech, telecommunication, health care, and many more.

CIS offers comprehensive IT services such as custom application development, mobile application development, creative web design, Microsoft solutions, SAP solutions, open source development, Java development, Oracle development, big data solutions, digital experience solutions, CAD/CAM architectural services, testing automation, infrastructure automation and cloud, digital marketing, ITeS, etc.

### Our Partners



### Key Highlights of CIS



### Our Core Values



## 2. PROJECT BRIEFING

Create the MESS\_ICE mobile app, focused on engaging soccer fans. Roles include Moderators managing content, user issues, and reports; Team Moderators updating team-related info and fostering community; Chief-Supervisor overseeing teams and app-wide management. Ensure smooth content flow, user engagement, and a respectful community environment. App should be scalable, multilingual, and user-friendly.

## 3. ASSUMPTIONS FOR ESTIMATION

S.No	Items
1	The Application will be available in the Spanish and English language in the initial phase i.e. it will be multilingual.
2	The estimation covers the efforts required for app development. Any third-party API/SDK required during the app development, whether paid or free, will be provided by the client only.
3	Please inform us in case we have missed any required functionality that must be included in the proposed app.
4	The Application will support both Light & Dark Mode. As its priority is less, we will plan to develop it after we finish the development of priority features.
5	We are assuming the app & team moderators will use a web admin panel. Now its designs are not ready & we are assuming the client will provide it to us.
6	We are assuming that all the users will have a public profile so anyone can see their profile.
7	As per our discussion with the client we will start the development of features as per the shared priority features list. The development will be planned in such a way that we can finish maximum features till desired launch date which is planned in January. In case any feature remains then we will release an application with the implemented features and will cover the remaining features in the next releases.
8	Team moderator will provide a streaming url to app moderator via a coordinator to stream content on application. From app moderator end he will only add a url into the

	system. We will not create any streaming url from our side & manage the streaming server. We will just play the available streaming url into the app.
9	For ticket booking, we are assuming the client will provide required APIs/SDK and we just need to integrate it in our application.

#### 4. QUERIES FOR CLIENT (Answers may impact estimation time & cost)

S.No	Items
1	

#### 5. TARGET PLATFORMS

S. No	Platform	WBS / Deliverable	Sub Platforms
1	Mobile	Mobile App	Android, iPhones
2	Web-App	Web admin panel	Google Chrome/ Safari /Firefox

#### 6. PLATFORMS COMPATIBILITY BASELINE

Type	Application	Android App	iOS App
Mobile	Operating System	Android 9.0 to 13.0	iOS 15.0 to 17.0
Website	Web Browsers	Desktop or Mobile Web Browsers	-

#### 7. SCOPE OF WORK

**Mobile :**

Task	Sub Task	Remarks
<b>User Registration</b>	<p>Users will be able to create a profile in the app that includes:</p> <ul style="list-style-type: none"> <li>• First and Last Name</li> <li>• Date of birth</li> <li>• Email address</li> <li>• Username</li> <li>• Password</li> <li>• Occupation/profession</li> <li>• Mailing address</li> <li>• Country/region/city of residence</li> <li>• Social networks</li> <li>• Privacy preferences</li> <li>• Debit or credit card or payment system used</li> <li>• National ID number</li> </ul> <p>After the successful Registration users will be redirected to Team Selection Screen.</p>	
<b>Team Selection</b>	<p>As soon as a user lands on this page according to the user's geolocation the application will show the suggestion for the country team.</p> <p>If a user wants to select a different team they can do it manually with the help of the dropdown menu.</p> <p>After selection of the country team, users can also select the local club.</p>	
<b>User Login</b>	<p>This screen will provide an option for existing users to login into the application with the Username/email &amp; password they registered in the system.</p> <p>There will be also an option to sign in with the help of the social media platform such as</p> <ul style="list-style-type: none"> <li>• Apple</li> <li>• Google</li> <li>• Facebook</li> </ul> <p>After successfully entering the details the user will be navigated to their Home Screen.</p>	
<b>Forgot Password</b>	<p>This will allow users to retrieve their passwords. users need to provide an email/mobile number, and the verification link will be sent to the provided email address/mobile number.</p>	

<p><b>User Application Guide</b></p>	<p>As soon as the user lands on this screen, Users will be able to see a basic tutorial of the application so the users can understand how the application works.</p> <p>This screen will only be shown once when the user opens the application for the first time to view it again user's can view it in the settings.</p>	
<p><b>Tab Bar</b></p>	<p>This will contain some important screens navigation such as:-</p> <ul style="list-style-type: none"> <li>● <b>Home</b> <ul style="list-style-type: none"> <li>○ This screen will be the main screen of the application.</li> </ul> </li> <li>● <b>Search Screen</b> <ul style="list-style-type: none"> <li>○ This screen will allow the users to search countries, teams and players etc.</li> </ul> </li> <li>● <b>MI Team</b> <ul style="list-style-type: none"> <li>○ When this button is tapped the user will be able to see a screen based on their memberships.</li> <li>○ When this button is long pressed it gives a glance of the teams which you are a member with plus button to add a new team.</li> </ul> </li> <li>● <b>Discover</b> <ul style="list-style-type: none"> <li>○ This screen will show Virtual store, multimedia etc.</li> </ul> </li> <li>● <b>MI BOX (User Profile)</b> <ul style="list-style-type: none"> <li>○ This screen will show the user's profile.</li> </ul> </li> </ul>	
<p><b>Home Screen</b></p>	<p>This screen allows the user to see the following functionalities:-</p> <ul style="list-style-type: none"> <li>● Statistics of Proposals and Votes in a carousel.</li> <li>● Publication of users and followers.</li> <li>● Publication from the Virtual Store</li> <li>● Publication of team news.</li> <li>● Publication of player news.</li> <li>● Events and Premium Events ads, in the main banner.</li> <li>● Exclusive app ads.</li> <li>● Publication of offers and benefits of the app in the form of windows or in the main banner.</li> <li>● Publication of results of followed teams in the form of windows.</li> </ul> <p>The windows that appear in HOME are blocks of information that can contain the info of a small table, of an event, of a post of a digital manager or verified followed, of a board or of a news article.</p>	

Search Screen	This screen will allow users to search and display information of: countries, teams, players, virtual store, multimedia and events etc.	
MI Team	<p>This screen when tapped it will show the details according to the plan purchased by the user such as:-</p> <ul style="list-style-type: none"> <li>● <b>GOLD</b> <ul style="list-style-type: none"> <li>○ National Soccer Team <ul style="list-style-type: none"> <li>■ Mess_Ice Experiences</li> <li>■ Streaming</li> <li>■ National Team (Women's or men's as the case may be). <ul style="list-style-type: none"> <li>● Seniors</li> <li>● Youth National Team</li> </ul> </li> <li>■ Other National Teams</li> <li>■ Multimedia <ul style="list-style-type: none"> <li>● Videos</li> </ul> </li> </ul> </li> <li>○ Football Club <ul style="list-style-type: none"> <li>■ Mess_Ice Experiences</li> <li>■ Streaming</li> <li>■ Professional Squad (Women's or men's as the case may be). <ul style="list-style-type: none"> <li>● First Division</li> <li>● Juniors</li> <li>● Infants</li> </ul> </li> <li>■ Other Squads</li> <li>■ Multimedia <ul style="list-style-type: none"> <li>● Videos</li> </ul> </li> </ul> </li> </ul> </li> <li>● <b>PLATINUM</b> <ul style="list-style-type: none"> <li>○ National Football Team <ul style="list-style-type: none"> <li>■ Mess_Ice Experiences</li> <li>■ National Team (Women's or men's as the case may be). <ul style="list-style-type: none"> <li>● Youth National Team</li> </ul> </li> <li>■ Other National Teams</li> <li>■ Multimedia <ul style="list-style-type: none"> <li>● Videos</li> </ul> </li> </ul> </li> <li>○ Football Club <ul style="list-style-type: none"> <li>■ Mess_Ice Experiences</li> <li>■ Professional Squad (Women's or men's as the case may be). <ul style="list-style-type: none"> <li>● Juniors</li> <li>● Infants</li> </ul> </li> </ul> </li> </ul> </li> </ul>	Note: We are assuming the Tickets mentioned are the match Tickets for a particular team. That can be purchased from virtual store or any other website



	<ul style="list-style-type: none"> <li>■ Other Squads</li> <li>■ Multimedia <ul style="list-style-type: none"> <li>● Videos</li> </ul> </li> <li>● <b>DIAMOND</b> <ul style="list-style-type: none"> <li>○ No restrictions will be placed on this membership.</li> </ul> </li> </ul> <p>A tickets Button will be visible to all the users having a membership plan from there they can buy the match tickets of the upcoming team match.</p>	
<b>Discover</b>	<p>This screen will show the various latest feed of the various type:</p> <ul style="list-style-type: none"> <li>● Proposals and Votes</li> <li>● Events</li> <li>● MESS_ICE Experiences</li> <li>● Streaming</li> <li>● Multimedia</li> <li>● Virtual Store</li> </ul>	
<b>MI Box (User Profile)</b>	<p>From this screen users can set their personal information</p> <ul style="list-style-type: none"> <li>● Profile information (Username, Profile Photo, bio)</li> <li>● Medal of Experience (<i>Insignia</i>)</li> <li>● Points Earned</li> <li>● Publications made by the user</li> <li>● Votes tracking with top banner of the users team</li> <li>● Settings Button</li> </ul>	
<b>Settings Screen</b>	<p>On this screen user will be able to see various options</p> <ul style="list-style-type: none"> <li>○ Edit Profile</li> <li>○ Light/Dark mode switch</li> <li>○ Card Details</li> <li>○ Social account management</li> <li>○ Subscription management</li> <li>○ Change Password</li> <li>○ Change Language</li> <li>○ Contact us</li> <li>○ FAQ</li> <li>○ About us</li> <li>○ Logout</li> </ul>	
<b>Discussion Room</b>	<p>The application must have a messaging section called “DISCUSSION ROOM” for users to communicate with each other. Users will be able to</p> <ul style="list-style-type: none"> <li>● Send private messages.</li> <li>● Form chat groups.</li> </ul>	

	<ul style="list-style-type: none"> <li>● Create proposals and form a chat group according to their insignia, called “Small Table”.</li> <li>● Send and receive audios, photos, videos and files through messaging according to the options available in their membership.</li> <li>● The messaging will have a search filter so that users can search for previously shared files, documents or links.</li> <li>● Users will be able to delete messages from their private chats, but not from groups they have not created.</li> <li>● Users will receive a notification when they receive a new message in the discussion room.</li> <li>● Messaging will have a separate section for spams where messages from users you do not follow will be seen if you have a message.</li> <li>● A section called “General Assembly” will be incorporated, where official chat rooms of the app and others created by users will be presented. Only Users with the specific permission will be allowed to send messages.</li> </ul>	
<b>Proposals and Votes</b>	<p>This screen allows users to create temporary proposals of one week duration (creation and expiration date is indicated) by default (unless otherwise indicated by Mess_Ice via moderator).</p> <p>These surveys called “PROPOSALS” will be created exclusively by the teams participating in the application (via team moderators) and by the MESS_ICE team (via moderators). Each proposal will be able to have different types of content, such as title, detail, photos and videos. In addition, users will be able to give “likes” or “dislikes” to the questionnaires. The results of the questionnaires can be viewed in real time both by the football team that created the questionnaires, as well as by users with membership in the application.</p>	
<b>Verified Managers</b>	<p>This screen will show a list of Verified Managers sorted by filter including: “by name, by country, by MI TEAM, by popularity”.</p> <p>In addition, the search bar is already filtered to list only Verified Managers.</p>	
<b>Notification</b>	<p>Users will be able to receive notifications of the following events:</p> <ol style="list-style-type: none"> <li>1. Matches of the day of the teams you follow or have membership .</li> </ol>	



**Website:**

Task	Sub Task	Remarks
<b>Website</b>	Website will be static and informative and will contain 8 pages as shared by the client in the given design.  <a href="https://xd.adobe.com/view/52c9281f-86c0-4464-9bbe-a67f798c1f18-079a/">https://xd.adobe.com/view/52c9281f-86c0-4464-9bbe-a67f798c1f18-079a/</a>	

**Web App :- Role - Moderator:**

Task	Sub Task	Remarks
<b>Update and Manage App Content</b>	<ul style="list-style-type: none"><li>● Review and update news, posts, and materials to ensure accurate and relevant information.</li><li>● Ensure the content aligns with the app's guidelines and policies</li></ul>	
<b>Resolve User Reports and Issues</b>	<ul style="list-style-type: none"><li>● Investigate and address reports of inappropriate content, comments, and behavior.</li><li>● Take appropriate actions, such as warnings, content removal, or user bans.</li></ul>	
<b>Validate and Approve</b>	<ul style="list-style-type: none"><li>● Review and verify user applications for Verified Manager status.</li></ul>	

<b>Verified Managers</b>	<ul style="list-style-type: none"> <li>• Ensure that Verified Managers meet the set criteria before approval.</li> </ul>	
<b>Delete Users, News, and Reports</b>	<ul style="list-style-type: none"> <li>• Have the authority to delete user accounts and content violating app guidelines.</li> <li>• Remove news articles, posts, and other content if needed</li> </ul>	
<b>Manage Comment and Chat Reports</b>	<ul style="list-style-type: none"> <li>• Review and moderate reported comments, chats, and discussions.</li> <li>• Ensure that conversations remain respectful and constructive.</li> </ul>	
<b>Publish Company-Exclusive Items</b>	<ul style="list-style-type: none"> <li>• Curate and publish items exclusively available in the Virtual Store.</li> <li>• Enhance user engagement by offering unique merchandise or benefits.</li> </ul>	
<b>Access to Moderation Tools and Controls</b>	<ul style="list-style-type: none"> <li>• Have access to tools to manage content, users, and reports effectively.</li> <li>• Use controls to maintain a safe and engaging environment within the app.</li> </ul>	

**Web App:- Role - Team Moderator (TMOD):**

<b>Task</b>	<b>Sub Task</b>	<b>Remarks</b>
<b>Update Content Specific to Teams</b>	<ul style="list-style-type: none"> <li>• Keep team-related content, news, and information up-to-date.</li> <li>• Ensure accurate representation of team events and activities.</li> </ul>	
<b>Manage Team-Related Events, Information, and News</b>	<ul style="list-style-type: none"> <li>• Oversee the publication of upcoming events, matches, and tournaments.</li> <li>• Provide details about the team's performance, achievements, and player profiles.</li> </ul>	

<b>Interact with the Team's Content</b>	<ul style="list-style-type: none"> <li>Engage with users by responding to comments and messages related to the team.</li> <li>Foster a sense of community around the team's activities and achievements.</li> </ul>	
<b>Create and Manage Mess_Ice Experiences</b>	<ul style="list-style-type: none"> <li>Curate exclusive experiences for users based on team-related activities.</li> <li>Set requirements and qualifications for users to participate in these experiences.</li> </ul>	
<b>Act as an Intermediary Between Team Content and App</b>	<ul style="list-style-type: none"> <li>Serve as a bridge between the team's content and the app's users.</li> <li>Facilitate effective communication of team news and updates to users.</li> </ul>	
<b>Monitor and Moderate Discussions</b>	<ul style="list-style-type: none"> <li>Oversee discussions in sections like Small Tables, ensuring productive conversations.</li> <li>Moderate interactions to maintain a respectful and engaging atmosphere.</li> </ul>	
<b>Collaborate with Moderators</b>	<ul style="list-style-type: none"> <li>Coordinate with Moderators for overall app content management.</li> <li>Share insights and feedback from team-specific interactions.</li> </ul>	

**Web App:- Chief-Supervisor (ADMIN):**

Task	Sub Task	Remarks
<b>Create and Manage Moderators</b>	<ul style="list-style-type: none"> <li>Set up new Moderators and define their roles and responsibilities.</li> <li>Assign teams to Moderators for efficient content management.</li> </ul>	
<b>Assign Teams to Moderators and Team Moderators</b>	<ul style="list-style-type: none"> <li>Allocate teams to Team Moderators for effective team-specific content updates.</li> <li>Ensure even distribution of workload among Team Moderators.</li> </ul>	

<b>Oversee and Coordinate App-Wide Content Updates</b>	<ul style="list-style-type: none"> <li>• Ensure consistent and coherent content across all teams and sections.</li> <li>• Oversee the publishing of news, events, and experiences in the app.</li> </ul>	
<b>Access to Higher-Level Administrative Controls</b>	<ul style="list-style-type: none"> <li>• Have access to advanced tools for app management and maintenance.</li> <li>• Make critical decisions related to user management, features, and updates</li> </ul>	
<b>Manage Platform Scalability and Performance</b>	<ul style="list-style-type: none"> <li>• Monitor app performance, scalability, and user engagement levels.</li> <li>• Ensure that the app can handle increasing user numbers and content.</li> </ul>	
<b>Monitor System Growth and User Engagement</b>	<ul style="list-style-type: none"> <li>• Track user engagement metrics, feedback, and usage patterns.</li> <li>• Use data insights to optimize the app's features and user experience.</li> </ul>	
<b>Handle Exceptional Issues and User Disputes</b>	<ul style="list-style-type: none"> <li>• Address exceptional cases, user disputes, and issues requiring higher authority.</li> <li>• Make informed decisions to resolve conflicts and maintain a positive app environment</li> </ul>	

## 8. RESOURCES

<b>Skills/ Technology</b>	<b>Time Required (Hours)</b>	<b>Cost in USD (\$)</b>
iOS App	1720	
Android App	1720	
Website	520	

Moderator Web App	550	
Team Moderator (TMOD) Web App	550	
Web Super Admin Panel	800	
Web APIs	700	
UI Design & Responsiveness	500	
QA	480	
<b>Total</b>	<b>7540</b>	

## 8.1 MILESTONE PLAN

Milestone Number	Module Names
Milestone 1	1. Membership System 2. Home 3. MI Team 4. Badge System 5. Proposals and Votes
Milestone 2	1. Debate Room 2. MI Box 3. MI_CARD 4. Mess_Ice experiences 5. Events 6. Streaming
Milestone 3	1. Virtual Store 2. Notification System 3. Multimedia 4. Tickets / Access
Milestone 4	Final Testing & Deployment



## 9. TECHNOLOGY STACK BASELINES

Development Technology & Tools	Flutter, Node JS and Angular JS
Programming Language	Dart, JavaScript

## 10. ACCEPTANCE CRITERIA

Deliveries as per baselines above

## 11. PRE-REQUISITES

S. No.	Details
1	Google and Apple Developer Accounts
2	SMTP details for mailing.
3	Streaming APIs & Ticket Booking APIs
4	Application & Website Design
5	Stripe Payment Gateway Account
6	AWS Server details to host web applications and APIs

## 12. OUT OF SCOPE

S. No.	Items
1	If any feature is missing or left you can let us know as time will vary according to feature.

2	iPad and Android Tablet Support is not included in the current scope.
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### 13. REPORTING TOOL

We will give you access of CIS PMS (Project Management System) to you and your inhouse team, you will be able to get updates from CIS team on daily basis, can post your inputs, feedbacks, documents etc. and/ or add your own tickets, for CIS Team members to work on.

### 14. PROJECT MONITORING

Project will be monitored and managed by CIS Project Manager

### 15. SERVICE AFTER DEVELOPMENT

We will provide free bug fixing services for the work we have completed as per our Sales Agreement with you, excluding for:

Issues in any pre-existing code, we did not work on, but may be impacted (Specially in case of maintenance projects).

Any out of scope bug or change requests which are not covered in this document.

### 16. TERMS & POLICIES

We will give you services level agreement for the project on which we agreed on. Including all features and functionality with Payment Terms.

We will provide you with a partial supervisor who ensures the quality & enterprises level standard solution. He/ She will monitor the project/work progress well.

Team will have regular meetings with you on **SKYPE/MEET/ZOOM** so that everyone should be on the same page.

Team will send you a regular report through PMS so that you can check the work/task done each day. It is not a very deep drill down estimation, it may change during project execution, if so the client will be informed and discussed. Appropriate cost will be paid by the client.