

# PROJECT PLAN DOCUMENT

(Due: 31<sup>st</sup> January, 2024)

Project number	<b>15</b>
Project Title	<b><i>Mobile Interface for requests/approvals</i></b>
Document	Project Plan
Creation date	<b><i>31 January 2024 (V1)</i></b>
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Client	<b><i>Ms. Lalitha Gutha, Senior Software Engineer at IT Office, IIIT Hyderabad</i></b>

## Brief problem statement

The existing IMS portal lacks a mobile version, limiting user access to critical functionalities such as Leave Application request, Travel request, Advance request, Attendance, view/add/edit Bank details and Transcript etc. This hinders the overall user experience and convenience. Therefore, there is a need to develop a dedicated cross-platform mobile application for IMS to facilitate easy access and efficient management of essential tasks on mobile devices.

## Team Members

Jakeer – UI/UX design, frontend management, documentation.

Abhiram – Systems management, integration, testing and planning.

Samyak – Documenting meetings and progress, source control, feature design, API integration.

Hemanth – React Native building, deployment and release management.

## Team Communication

There are three types of meets, where the team gathers to communicate and update regarding the project.

**Client Meets :** All the teammates will meet to discuss the progress of the project probably some time before the client meet is scheduled. Here we formulate doubts (if any) to ask and discuss progress points to inform the client about.

**Team Meets:** These are formal team meets held twice a week. Here we discuss our progress and future plans and division of labor. All team members are usually involved, but there may be exceptions.

**Informal Collaborations:** These are informal meets by team members, and happen usually when one or two team members feel the need to collaborate or take help from each other. They may occur anywhere from twice in a day to once in week.

## Development Environment

Below are tools that we have used or plan to use in the course of our project.

- **Design:** Figma for creating template diagrams of how the app looks in the mobile once design is done.
- **React Native:** We are planning to use React Native as a framework to build the mobile application. React Native is a JavaScript framework for building cross-platform mobile applications using a single codebase. React Native simplifies mobile development by allowing developers to write code once and deploy it on both Android and iOS platforms, reducing development time and effort.
- **Android Studio:** For deployment of android applications, maintenance and also integration and live testing in the android environment.

## Milestone Schedule

Milestone	Due Date	Release	Deliverable?
<i>Create draft requirements</i>	7/02/24	R1	No
<i>Finalize requirements</i>	14/02/24	R1	Yes
<i>Make a prototype for student view and show to client</i>	29/02/24	R1	Yes
<i>Implement leave application and profile features</i>	12/03/24	R1	Yes
<i>Implement Bank Details (View/Add/Edit)</i>	14/03/24	R1	Yes
<i>Unit tests and integrate features</i>	20/03/24	R1	Yes
<i>Integration tests for implemented modules</i>	25/03/24	R1	No
<i>Release 1</i>	30/03/24	R1	Yes
<i>Implement transcript and attendance features</i>	17/04/24	R2	Yes
<i>Implement user views for faculty, acad office etc.</i>	12/04/24	R2	Yes
<i>Unit Tests and integrate features</i>	15/04/24	R2	Yes
<i>Integration tests on the new features, System tests</i>	20/4/24	R2	No
<i>Then final release</i>	25/4/24	R2	Yes

