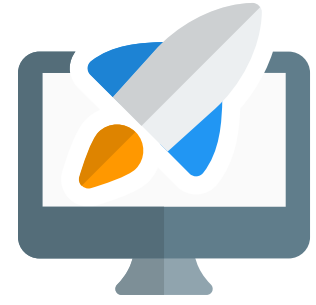# iGNEK
DRIVING DIGITAL SOLUTIONS

Enterprise Meeting Portal

Its SaaS solution has a web portal and mobile application which helps organizations to simplify the process to get approval of request(subject) when a chain of hierarchical department decisions are involved. It helps organizations to set up virtual video conference meetings, maintain minutes of meetings, perform voting during meetings, live chat during meetings and many more.

About client :

The client is a leading organization in a big country in asia continent. The client develops various products by using the latest technologies to provide enterprise level solutions to organizations/universities.

BUSINESS REQUIREMENTS :

The client wants to develop a solution where organizations can manage their subjects, meeting, task, appointment, and video conferences.

The solution should be SaaS-based or ON-Prem-based, depending on the end customer's requirements.

The solution should have a web application and a mobile application.

A SaaS-based solution should have unique URLs for each company and data should be segregated.
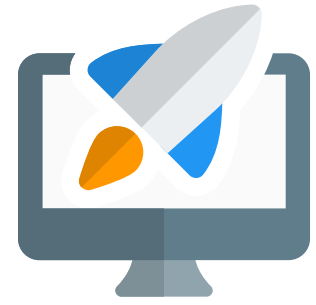
The solution should allow the customers to register their company so their company users can use this portal.

Quick Facts :

" Industry:
   Corporate Industry "

Benefits Delivered :

- Scalability and integration.
- Increases Agility.
- Increases Customer Satisfaction.
- Better disaster recovery
- Better performance even in peak hours
- High availability
- Mobile support.

BUSINESS REQUIREMENTS :

- The admin should be able to create committees and users in the portal.

- Users should be able to create and manage the subjects.

- The solution should allow sending subjects or meetings to the parent committee for approval.

- The solution should generate the MOM and reports for the meetings, tasks, and subjects.

- The user with the head and secretary role should create and manage meetings, subjects, tasks, and appointments.

- Users with the member role can view their meetings, subjects, tasks, and appointments.

- The solution should contain a live meeting interface with live chat and voting questions.

- The solution should trigger Whatsapp, SMS, and email notifications.

KEY FEATURES :

- Allow company owners/management to create an account for companies.
- Import users from the LDAP directory.
- Admin panel was introduced to manage company-related things like committees, users, different settings, and logos.
- A bulk upload feature was implemented to upload multiple committees and users in one shot.
- The front end was built using React for a better user experience.
- Used OOTB entities to store the data for users, organizations, and categories
- The global search was implemented to search the data.
- Heads and secretaries can manage the meetings, subjects, appointments, and conferences.
- Members can view meetings, subjects, appointments, and conferences.
- A live meeting page was introduced with a voting and live chat feature.

KEY FEATURES :

- For content management, a multi-level complex workflow was designed.
  - The same workflow was used for custom entities.
  - Implemented common REST API to expose data to web and mobile applications.
  - Users can download reports in PDF and ZIP format.
  - Portal creates a Google calendar event for meetings, appointments, video conferences, or tasks.
  - Users can join a meeting using Microsoft Teams Link or Google Meet.
  - Users can participate in voting questions from the live meetings.
  - Heads can take decisions on the subject from the live meeting screen.
  - Various charts were developed to produce visualizations for committees, members, meetings, and attendance data.

💡 SOLUTION/ TECHNOLOGY USES:

1

Liferay CE Portal 7.4 GA 4

- Developed custom entities, with workflow, and Indexers.
- Expose the content to the various channels using REST API.
- Configure SMTP and LDAP.

2

Elastic Search:

Used to improve performance.

5

MySQL:

Multi Node MySQL was used as the database of the Liferay portal.

3

SMTP:

A mail server's configuration protocol to implement Email notification.

6

Service builder:

Persist and fetch custom data

4

LDAP:

Used to allow users to log in with their company email address.

React Native:

Mobile applications were built using React Native.

7

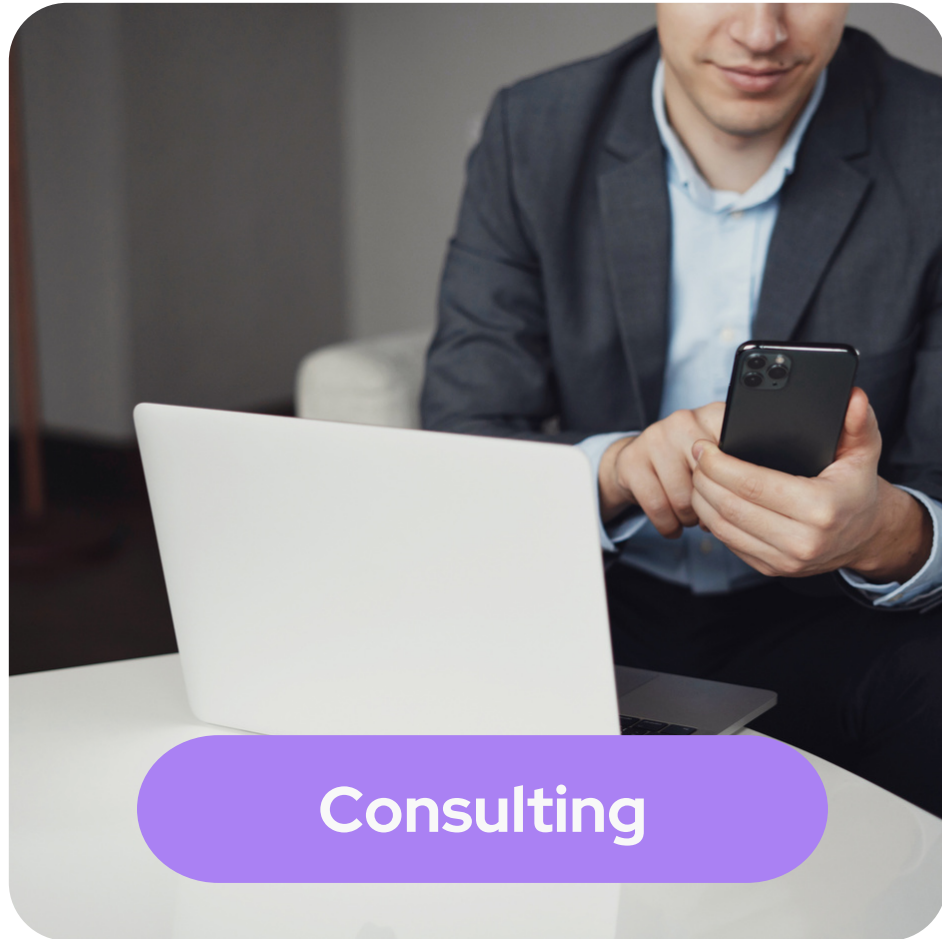### Google and Microsoft calendar API.

We have integrated Google and Microsoft calendar API to create meeting and appointment events on users' calendars.

React JS:

Used as a Web application's front end.

Twilio Integration:

Implemented WhatsApp and SMS notifications

Consulting

Development

Quality Assurance

Ignek Strength

Driving Digital Transformation

Contact Us

Because, we're here to help

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Thank You