

# KB185 Solution

Web and App Solution



# INFORMATION

**Ministry :** Government of Andhra Pradesh

**Problem Statement :** Design of GPS enabled online Academic monitoring system to track the classroom transaction and to provide feedback and the review to the teachers to improve their pedagogical practices by the monitoring authorities.  
[KB185]

**Team Name :** Team K

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# TABLE OF CONTENTS

**Technology Stack**  
Technology...

**Sneak Peak**  
Basic Overview

**Web Application**  
Details for our website

01

03

05

02

04

06



**Overview**

Basic overview of all our  
Dashboard

**Mobile Application**

Details for our both android  
and ios application.

**Conclusion**

# TECHNOLOGY STACK



## FLUTTER

Natively build application for both ios and android.



## BLAZOR

DotNet Core Framework to Build Application in C#



## AZURE CLOUD FUNCTION

Remotely Executable Function invoked from Apps.



## MACHINE LEARNING

Text Sentiment Analysis and Text Moderation with AI.

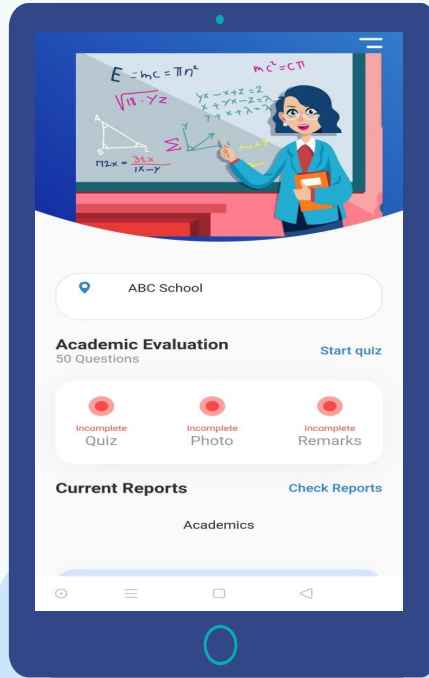


## FIREBASE

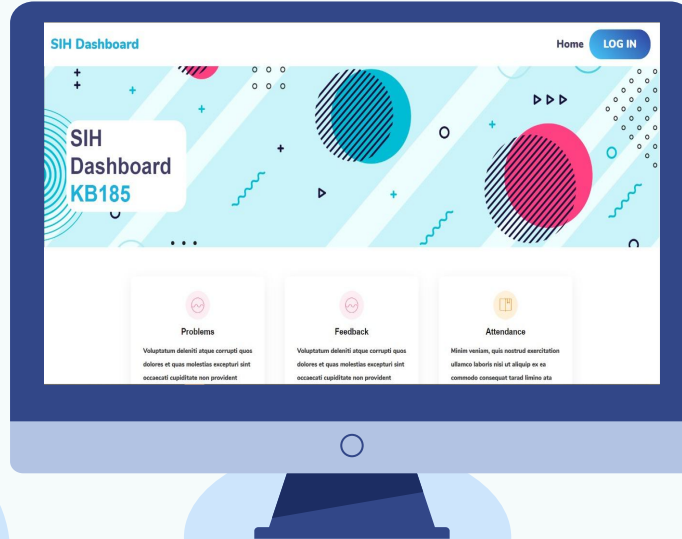
Provides a real-time database and back-end as a service. For connecting our web and application

# SNEAK PEEK

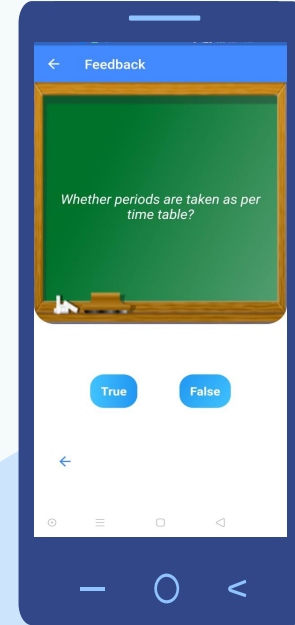
ios



Web Application



Android



# Web Application

The web application has five dashboards for the following five roles:

- Admin
- Visiting Official
- Teachers
- Students & Parents
- Public



# Roles and their Access levels



## Admin

Add Task, Verify Feedback, School Individual feedback Overview, Final Overview, Previous Reports, Comparative Analysis, View issue



## Visiting Official

Previous Reports, School Overview, View Issue



## Teachers

Mark Attendance, Submit an issue, Submit teacher feedback, School Overview



## Students & Parents

View attendance, Submit Feedback, Submit Issue/Close issue, School Overview, Academic Calendar

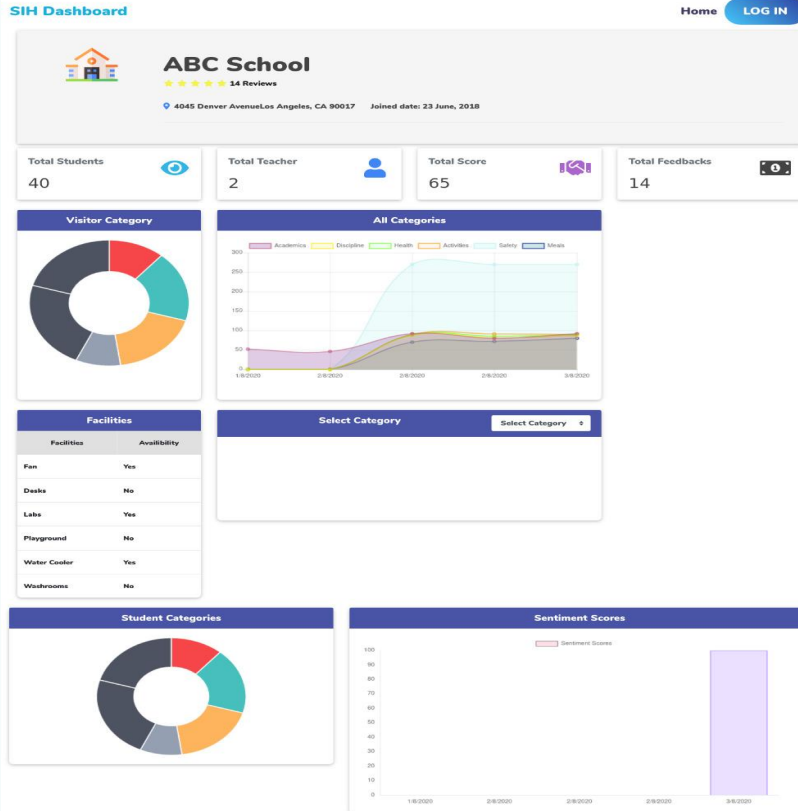


## Public

Comparative Analysis on schools in particular districts, School Overview

# Overview Screen

Machine learning enabled analytics and sorting of schools in districts and individually





# Mobile Application

The mobile application is specifically designed for the visitors to ensure authentic inspection.

- Verify location and time
- Take Quiz (Parameters of Evaluation : Academic, Discipline, Health & Hygiene, Activities, Safety, Mid day meals)
- Submit Real time Pictures.
- Submit custom Remarks.
- Check the status of the feedback.
- View Graphical overview of feedbacks



# Extra Features for GPS

## Step 1 :

SIH Dashboard [Home](#) [shashwatpaul@gmail.com](#) [LOG OUT](#)

### Add Task

Select User

Select District

Select School

Appointment Date

[ADD TASK](#)

## GPS ENABLED INSPECTION SYSTEM

The admin adds task for the visitor. Which is stored on the database with school id (i.e. school location ) and date.



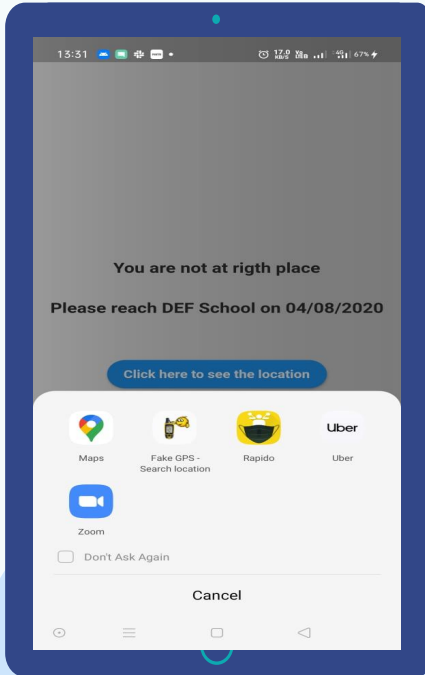
# Extra Features for GPS

## Step 2 :

The app does not give access to the evaluation process screen

## GPS ENABLED INSPECTION SYSTEM

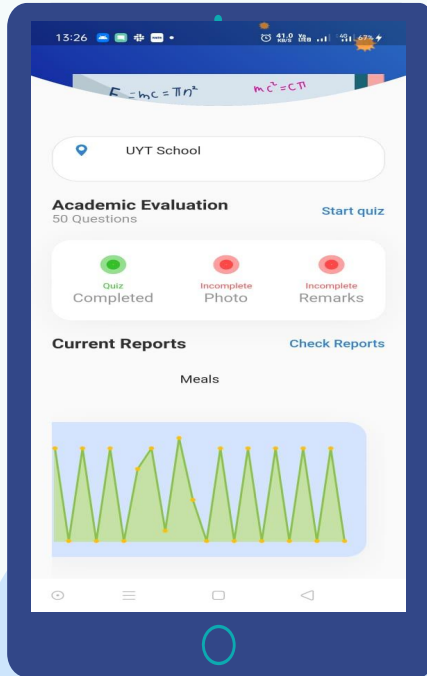
If the visitor opens the app and he is not at the given location or is scheduled a task for a different app he will be redirected to this screen where he will be prompted to view the location via the location apps on the phone



# Extra Features for GPS

## Step 3 :

## GPS ENABLED INSPECTION SYSTEM



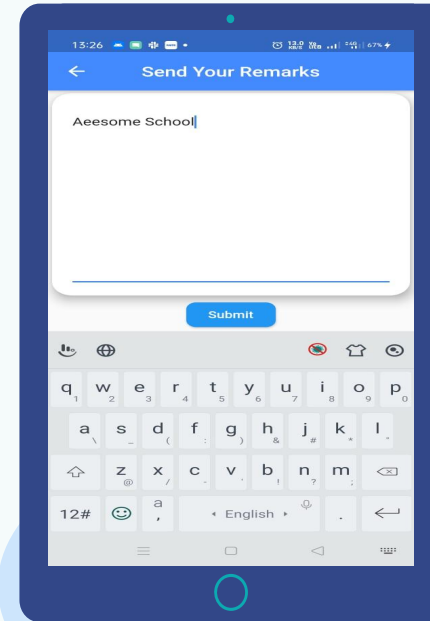
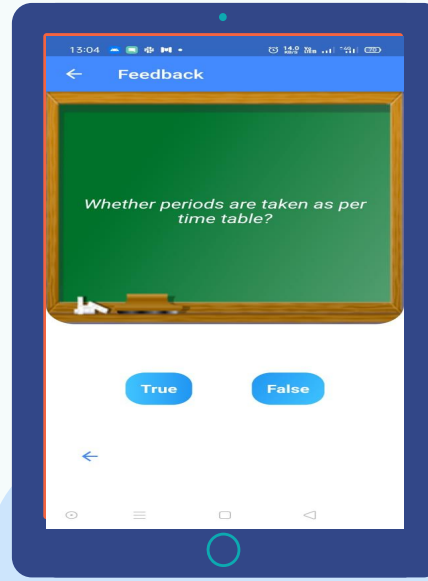
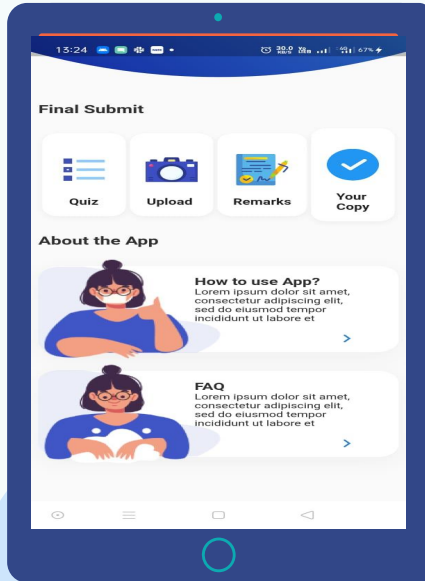
If the visitor opens the app and he is at the given location he will be directed to the main screen

Status of various tasks

Graphical overview section wise (i.e Academics, Health, Safety, Meals)



# Various Fields for evaluation. The Quiz here is categorised into other sub categories





# In Conclusion

## Web

The web dashboard is completely UI friendly and does not need third party to manage it. It is easily scalable, robust and ready to deploy..

## Mobile

The app has been developed via flutter framework and hence is ready to deploy in both IOS and Android