

CVR - IT

Hackthon 2022

Project:

Smart Attendance

Smart, easy and hassle free attendance





● Our Team ●

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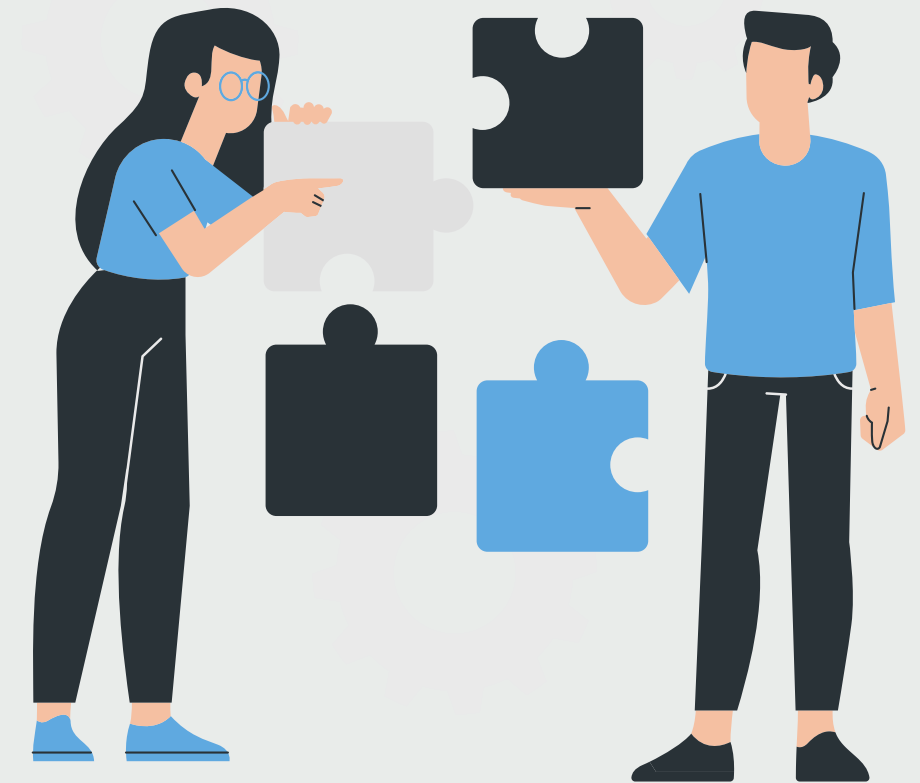


● Theme

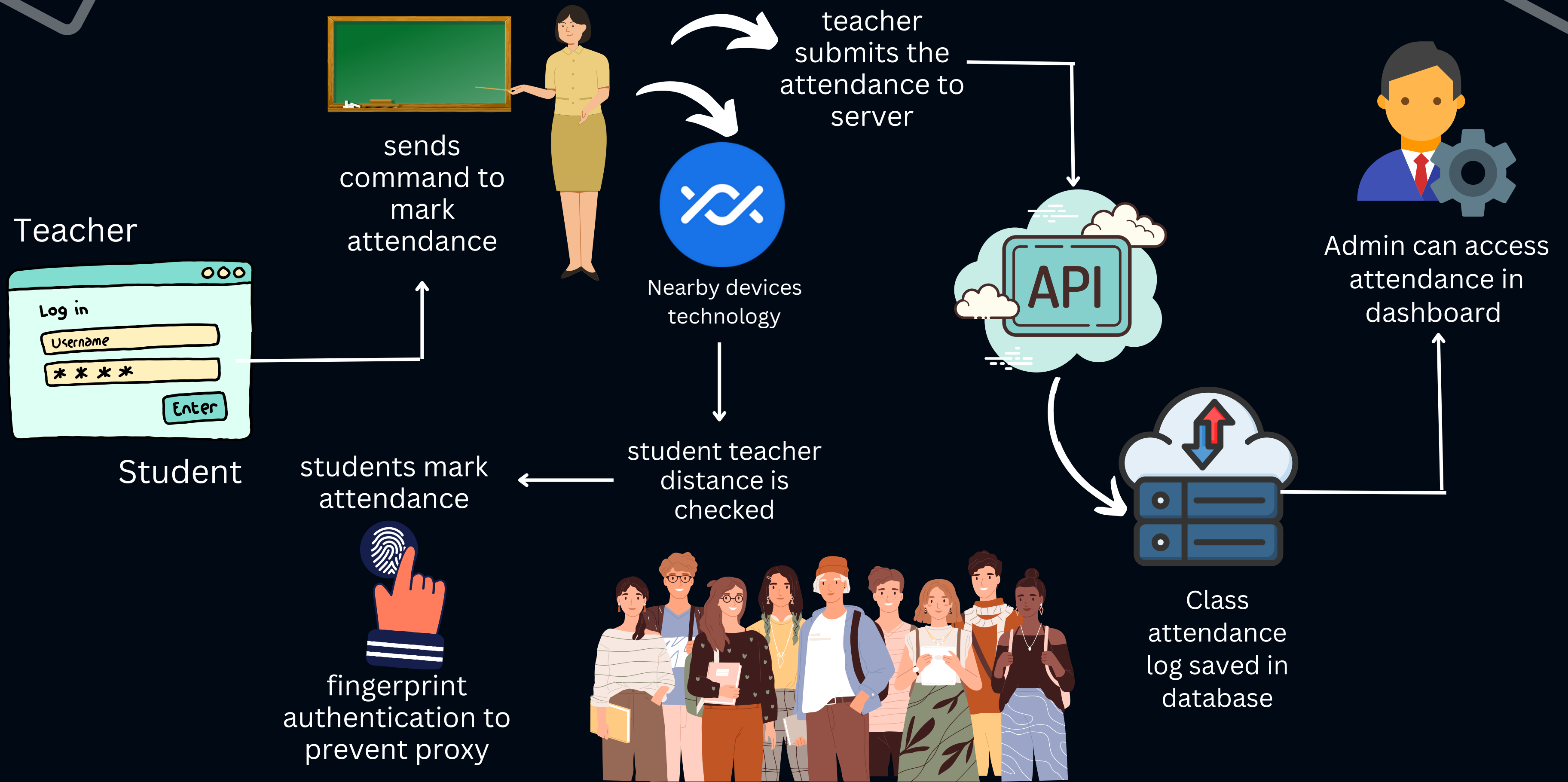
Smart Education System

● Problem statement

Taking attendance of the class while managing it is a hectic task for any teacher as there are many disturbances along with various discrepancies. This often affects the quality of the class as the teacher cannot completely concentrate on academics. An attendance management system can save time and reduce errors. It can streamline the attendance process and make it more efficient for teachers while also providing valuable data and insights to help improve the quality of the class.



● Innovative Solution ●





Problem



Solution

Disturbance in class

Quick attendance using phone
even without internet

Proxy

Fingerprint + Distance detection
using **nearby devices** technology

Data loss

Attendance data is stored in the
cloud

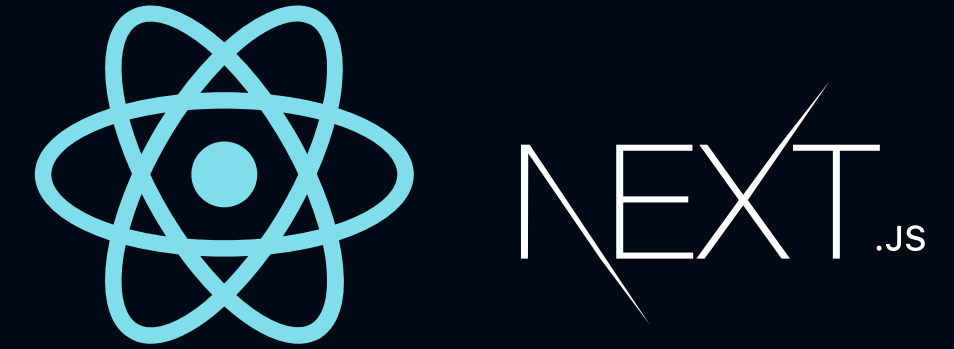
Daily reporting

Daily **attendance** is reported to
the **Admin dashboard**

Technologies we plan to use

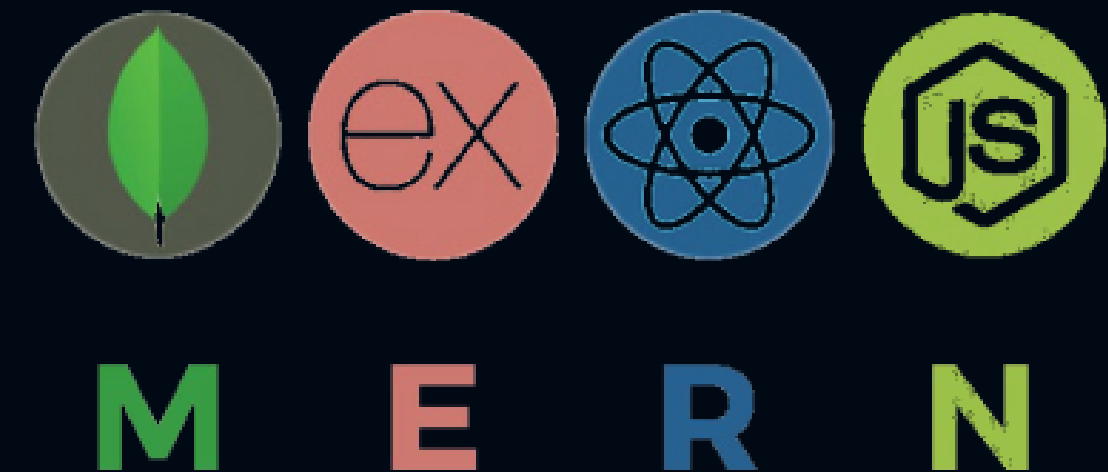
Front-end:

- Expo / React Native - for a native mobile app
- Next.js - for web admin dashboard



Back-end:

- Express.js - API
 - for syncing attendance to Database
 - get information of student, teacher and student attendance %
 - provide authentication (Login and Signup) for Teacher and Students
- MongoDB - Cloud database
 - to store class schedule and attendance
- Expo - Deploy mobile app
- Digital Ocean - deployment of Express.js backend





Thank You