SMART INDIA HACKATHON 2022

Basic Details of the Team and Problem Statement

Ministry/Organization Name/Student Innovation:

Government of Maharashtra.

PS Code: OS872

Problem Statement Title:

Real time tracking of student's learning outcomes and their academic progress across schools.

Team Name: **DOPEGEEKS**

Team Leader Name: S.V.N Ramakanth

Institute Code (AISHE): C-26162

Institute Name: **Vasavi College of Engineering**

Theme Name: Smart Education

Idea/Approach Details

Idea/Solution/Prototype :

We produced a web-based solution wherein our website facilitates:

- Registration of schools through UDISE code

- Login is made available to the Admin , teachers and the students

- Students can view their Attendance, homework, real time progress and non-academic activities conducted by their school.
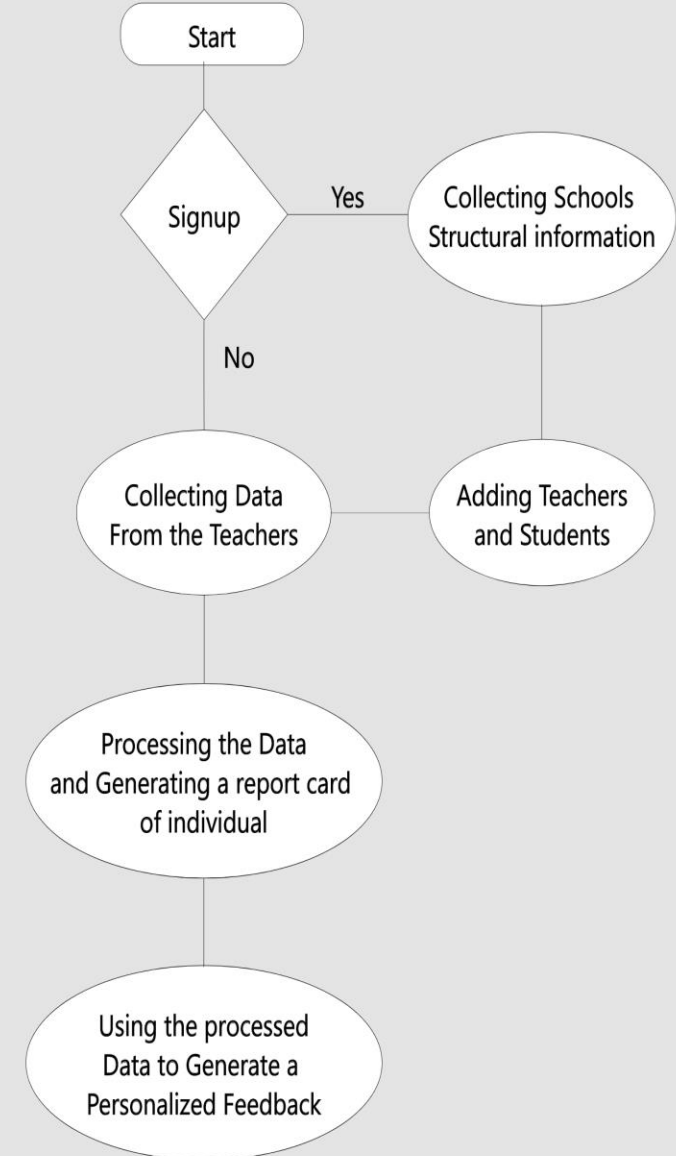
Technology Stack :

Front End: React J

Backend End: Node JS

Database : MongoDB (NoSQL)

Process flow chart

Idea/Approach Details

Use Cases

- Admin has privileges to add and remove faculty, classes and respective sections, co-curricular activities, Extra curricular activities.

- Faculty members added to website by admin have privileges to add and remove students, update marks of students and assign homework.

- Students who are added by faculty can login to website and can view their respective progress in their academic and Non-academic activities.

- System provides facilities such as auto generating progress reports focusing on overall development of student and recommendations based on their performance

Dependencies / Show stopper

Dependencies:

- Availability and Accountability of Admin
- Accountability of faculty
- Accessibility of Network

Team Member Details

Team Leader Name:.S.V.N Ramakanth

Branch (Btech/Mtech/PhD etc): **Btech**   Stream (ECE, CSE etc): **CSE**   Year (I,II,III,IV):**III**

Team Member 1 Name: G.SATHWIK

Branch (Btech/Mtech/PhD etc): **Btech**   Stream (ECE, CSE etc): **ECE**   Year (I,II,III,IV): **III**

Team Member 2 Name: K.MANISAI

Branch (Btech/Mtech/PhD etc): **Btech**   Stream (ECE, CSE etc): **CSE**   Year (I,II,III,IV): **III**

Team Member 3 Name: R.V.NIKHIL

Branch (Btech/Mtech/PhD etc): **Btech**   Stream (ECE, CSE etc): **CSE**   Year (I,II,III,IV): **III**

Team Member 4 Name: VISHWANTH REDDY

Branch (Btech/Mtech/PhD etc): **Btech**   Stream (ECE, CSE etc): **CSE**   Year (I,II,III,IV): **III**

Team Member 5 Name: V.AKSHITHA

Branch (Btech/Mtech/PhD etc): **Btech**   Stream (ECE, CSE etc): **IT**   Year (I,II,III,IV): **III**

Team Mentor 1 Name: Tattari Jalaja

Category (Academic/Industry): Academic   Expertise (AI/ML/Blockchain etc): ML   Domain Experience (in years): 3