



SMART INDIA
HACKATHON
2022

Problem Statement & Team Details

Ministry/Organization Name/Student Innovation:
Government of Maharashtra

PS Code: OS872

Problem Statement Title: Real time tracking of
students learning's outcomes and their academic
process across schools

Team Name: Codebrigade

Institute Code (AISHE): C-32863

Institute Name: Bharati Vidyapeeth's College of
Engineering, New Delhi

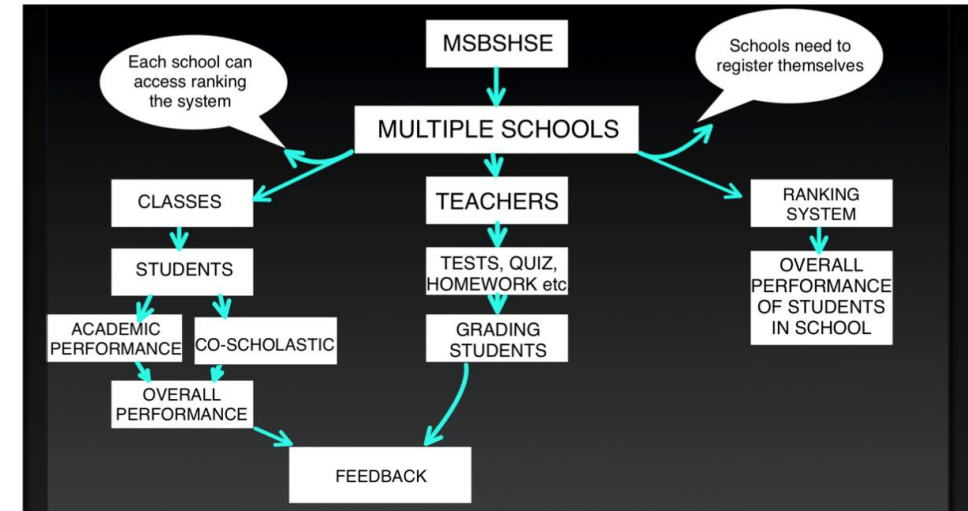
Team Details



Team Leader	Prabhat Mishra	B.Tech	ECE	Ist Year
Team Member 1	Kunjal Chachra	B.Tech	IT	Ist Year
Team Member 2	Mohammad Zayed	B.Tech	ECE	Ist Year
Team Member 3	Siddhant	B.Tech	CS	Ist Year
Team Member 4	Tushar Sharma	B.Tech	ECE	Ist Year
Team Member 5	Sameer Tyagi	B.Tech	ECE	Ist Year

Describe your idea/Solution/Prototype here:

- found, a notification will be sent to the parents via SMS/Mail.
- **Regular Feedback and continuous evaluation of performance:**
- The relative grading provided by teachers will help the students to get a proper insight.
 - Using this, teachers can provide constructive feedbacks and students can use them for their betterment, and parents can keep track of the ongoing progress of their child.
 - Also the government can use this data to better assess the progress of students and rank the schools accordingly.



Describe your Technology stack here:

It is a web platform and in this we are using Web development to develop this website. We are using: HTML, CSS, JavaScript, Bootstrap to design the frontend of the website. And for backend database and server, we are using PHP, MySQL, Node.JS, MongoDB. For the continuous evaluation of students, and generating feedbacks on regular intervals, we are using Machine Learning and AI. The scores, gradings and feedbacks provided by the teachers, and the corresponding improvement of the students will be stored as important data in the website's database for any further uses, if required.

Idea/Approach Details

Describe your Use Cases here

- 1) **Schools:** Schools can use this platform/website to keep a track of the progress of the students on a regular interval and the ongoing monitoring and evaluation that can lead to course adjustment and improved outcomes through adaptive management, and this will be beneficial for the students and parents as well.
- 2) **Teachers:** Teachers can use this for regular grading and analysis of their students without much involvement of their time, as this is assisted with ML and AI and the data entered can be used for the long term evaluation and final results.
- 3) **Government:** Government can use this portal to analyse the ongoing growth and student's learning outcomes, and the long term evaluation. Thus, this can work as an aid for the government to easily rank the schools registered on the portal and provide the concentric assistance and facilitate the schools with new curriculum and technologies to increase the output gathered by school & teachers

Describe your Dependencies / Show stopper here

- ☐ The schools need to register themselves on the portal to get benefitted from it, so it is required on the part of Government, to ensure proper registration of the school, Along with proper credentials.
- ☐ The past progress data/result of students will be required to generate the feedbacks accordingly and analyse their adaptability .