



**SMART INDIA  
HACKATHON  
2022**

# Basic Details of the Team and Problem Statement

**Ministry/Organization Name/Student Innovation:**

Ministry Of Electronics and Information Technology (MEITY)

**PS Code:** PK850

**Problem Statement Title:** Unique Student Identity and student profile system

**Team Name:** Coders Inc.

**Team Leader Name:** Harshit Mittal

**Institute Code (AISHE):** U-1056

**Institute Name:** Netaji Subhas University of Technology

**Theme Name:** Miscellaneous

# Idea/Approach Details

## Idea/Solution/Prototype

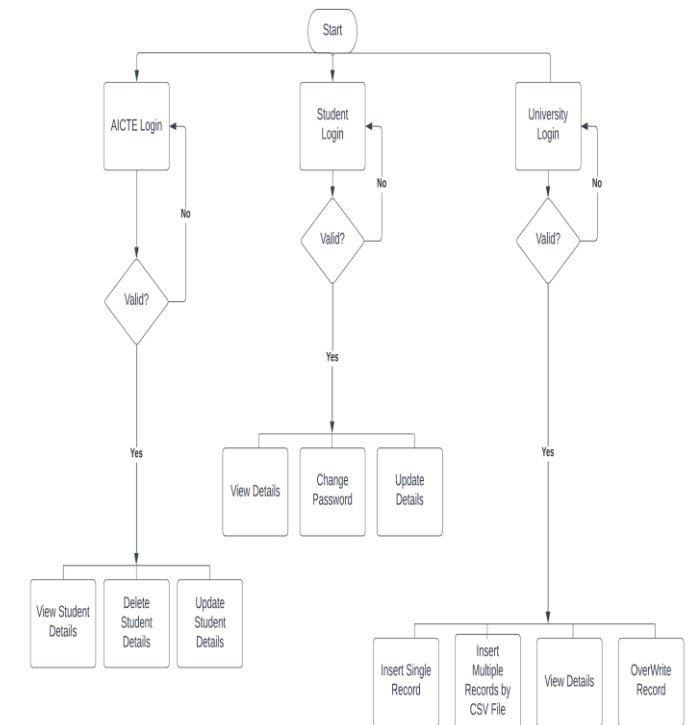
- The prototype involves accumulating and storing the data of college students (above 12<sup>th</sup> grade level), so that their information can be easily accessed and verified.
- The details of every student remains in the database and consistency is maintained even in the case where they switch colleges.
- Validations: The login/ signup of students will be validated as given below.
  - The **login** of a **STUDENT** will be done through their **Aadhar card** and existing **password**.
  - The **signup** of a **STUDENT** will be done when they enter their first college, with the validation being done through an **OTP** sent to the mobile number associated with the Aadhar Number given.

- Permissions: The following will be the permissible actions for the various stakeholders.

**AICTE** will be able to **read, delete** and **update** all data.

**STUDENT** will be able to **read** their own data; **update** their training, fellowship and grant data along with their college results and college status; **insert** their own data (email, password, training, fellowship, grant data).

**COLLEGES** will be able to **read** their own data as well the data of all of their students (current and alumni); **update** college results and college status as well as college data; **insert** college data as well the data of their current students.



# Idea/Approach Details

## Use Cases

- Student tries to login: The system will ask for their Aadhar number and password and after validation the student will be allowed to login and then can perform operations ( read, update).
- Student tries to signup: The system will ask for Aadhar number and then send an OTP to the mobile number linked with that number. If correctly entered, the student will be signed up.
- College authorities try to login: The system will ask for login ID and password and after validation, the relevant view access will be provided.
- AICTE authorities try to access information: The system will prompt to fill a login ID and password and post validation, a super admin view will be provided.

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## Dependencies / Show stopper

- Any of the users forgetting their password.
- AICTE authorities deleting some student's / college's relevant information.

## Technology stack

- Mongo
- Express
- Node JS
- HTML
- CSS
- Javascript

# Team Member Details

## Team Leader Name: Harshit Mittal

Branch: BTech                      Stream : CSDS                      Year : II

## Team Member 1 Name: Vyom Kaushik

Branch: BTech                      Stream : CSDS                      Year : II

## Team Member 2 Name: Rohan Sharma

Branch: BTech                      Stream : CSE                      Year : II

## Team Member 3 Name: Bhagyashree Das

Branch: BTech                      Stream : CSE                      Year : II

## Team Member 4 Name: Shubhangee Pal

Branch: BTech                      Stream : CSE                      Year : II

## Team Member 5 Name: Anoushka Gera

Branch: BTech                      Stream : CSE                      Year : II

## Team Mentor 1 Name: Dr. Mohinder Pal Singh Bhatia

Category (Academic/Industry): Academic      Expertise (AI/ML/Blockchain etc): Software Engineering, Operating Systems

Domain Experience (in years): 30+

## Team Mentor 2 Name: Dr. Manu Sheel Gupta

Category (Academic/Industry): Industry      Expertise (AI/ML/Blockchain etc): Software Engineering, Operating Systems

Domain Experience (in years): 15+