Basic Details of the Team and Problem Statement

SMART INDIA HACKATHON 2023

SIH

Ministry/Organization Name/Student Innovation: Government of Jharkhand

PS Code:1369
Problem Statement Title: Online Integrated Platform for projects taken up by the students of various universities/colleges
Team Name: White Hats
Team Leader Name: Karthickrajan S
Institute Code (AISHE):2711
Institute Name: Kongu Engineering College
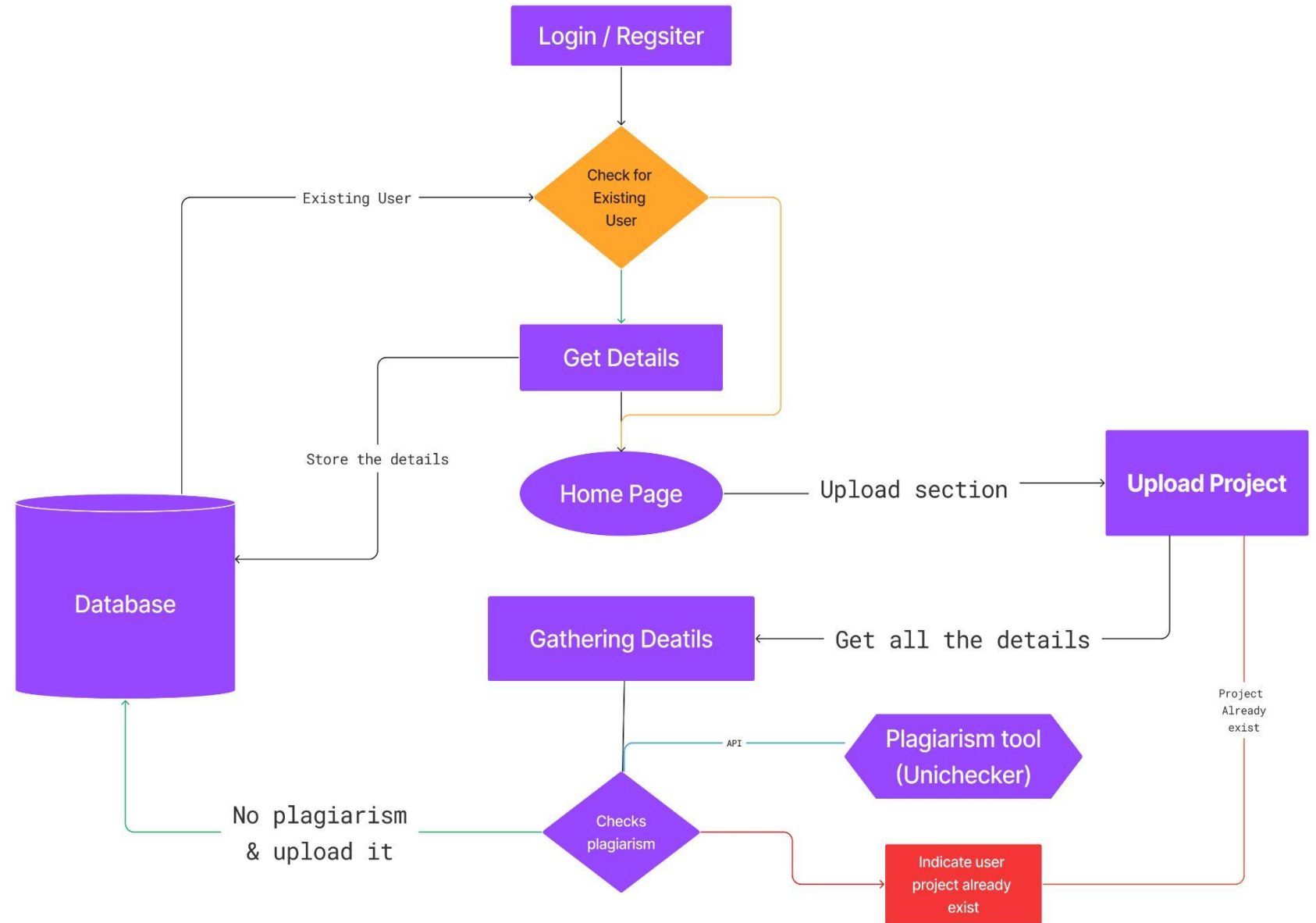
Idea/Approach Details

Solution:

- An Integrated platform is developed where all the universities/Colleges students can provide information about the projects done by them.

- The platform aims to centralize information about student projects from various educational institutions.

- Making it easier for students and faculties to access and explore this valuable content in one place.
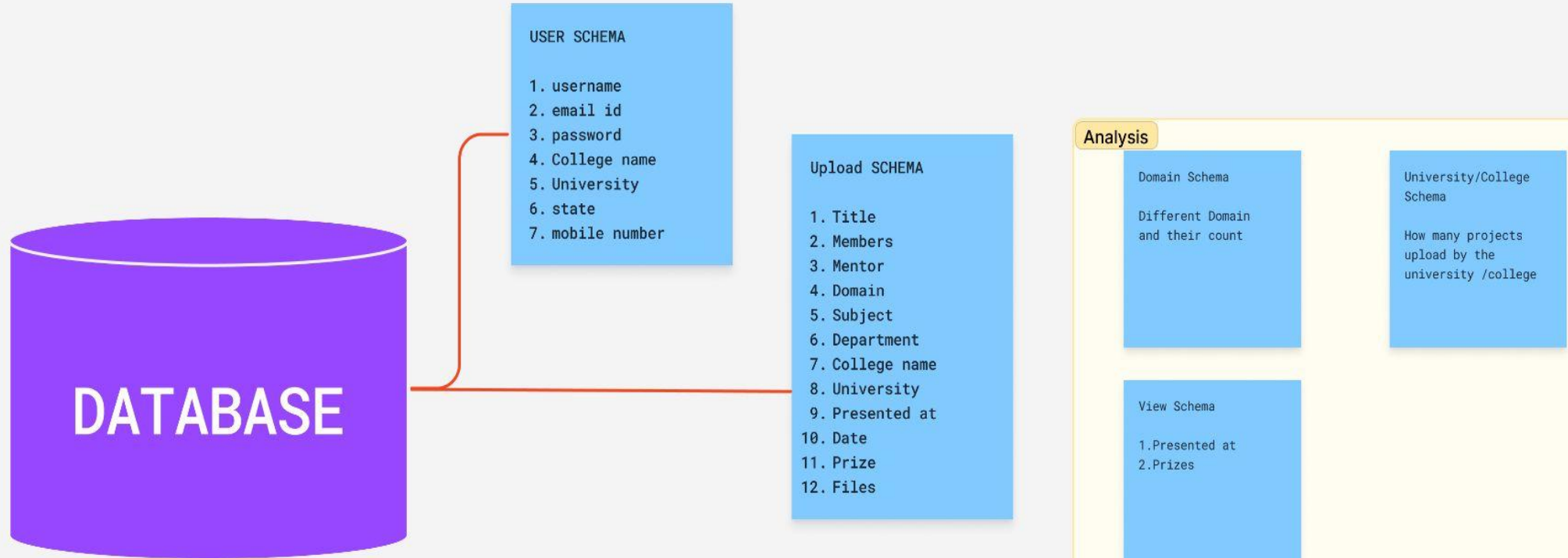
Technology stack:

- MERN Stack(MongoDB,ExpressJS,ReactJS,NodeJS)

- UnicheckerAPI for Plagiarism checker

Flow Chart:

Login / Regsiter

Check for Existing User

Existing User

Get Details

Store the details

Database

Home Page

Upload section

Upload Project

Gathering Deatils

Get all the details

Project Already exist

Plagiarism tool (Unichecker)

API

Checks plagiarism

No plagiarism & upload it

Indicate user project already exist

3

Schema:

Database

USER SCHEMA

1. username
2. email id
3. password
4. College name
5. University
6. state
7. mobile number

DATABASE

Upload SCHEMA

1. Title
2. Members
3. Mentor
4. Domain
5. Subject
6. Department
7. College name
8. University
9. Presented at
10. Date
11. Prize
12. Files

Analysis

Domain Schema

Different Domain
and their count

University/College
Schema

How many projects
upload by the
university /college

View Schema

1. Presented at
2. Prizes

Idea/Approach Details

Use Cases:

- Identify unique projects
- Helps organizations to seek and recruit talented and responsive students
- Developers and researchers can collaborate with students and build new innovations

Dependencies:

- Managing high volume of data in database
- Percentage accuracy in Plagiarism checker

Team Member Details

Team Leader Name: Karthickrajan S

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

Team Member 1 Name: Kamalesh J

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

Team Member 2 Name: Kanisha A

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

Team Member 3 Name: Karan M

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

Team Member 4 Name: Keerthana Devi S

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

Team Member 5 Name: Kanishk P

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

Team Mentor 1 Name:Dr.Shanthi S

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

Search projects....

About

An integrated platform should be developed where in all the universities/Colleges provide information about the projects done by the students. The information on this platform will help in the peer learning and this will also help in cross functional research between various universities/colleges

Top 10 Universities   **Show all Universities**

Anna University	14600
Savitribai Phule Pune University	12344
University of Calcutta	9675

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University of Calcutta	9675

483693
TOTAL NO OF PROJECTS

732
UNIVERSITIES CONTRIBUTED

An integrated platform should be developed where in all the universities/Colleges provide information about the projects done by the students.

ANNA UNIVERSITY : 14600

BROWSE

COLLEGE   TITLE   DOMAIN/KEYWORD

DISCOVER

DEPARTMENTS

Department of Biotechnology [3]

Department of Chemical Engineering [1]

Department of Chemistry [1]

Department of Civil Engineering [38]

Department of Computer Science and Engineering [41]

Department of Electronics and Communication Engineering [5]

Department of English [0]

Department of Mechanical Engineering [154]

Department of Physics [1]

DOMAINS

Image processing	[13]
Internet of Things	[23]
Embedded Systems	[45]
Data Mining	[34]
Big Data	[12]
Networking	[3]
Security	[23]