



Basic Details of the Team and Problem Statement

Ministry/Organization Name/Student Innovation: Government of Gujarat

PS Code: 1362

Problem Statement Title: Student Dropout Analysis For School Education

Team Name: Voyagers

Team Leader Name: Agarwal Shruti Hemant

Institute Code (AISHE): U-0136

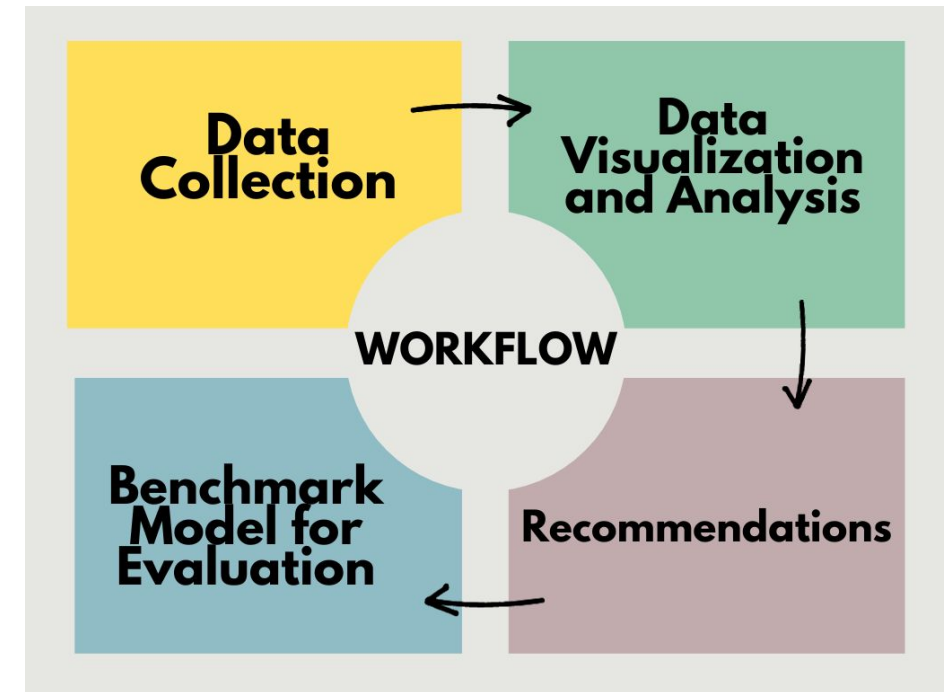
Institute Name: Gujarat University

Theme Name: Smart Education

Idea/Approach Details

Describe your idea/Solution/Prototype here:

- Idea:
 - Early Warning System, Student Help Group
 - Financial Assistance Portal based on individual factors
 - Mobile first approach for digital learning platforms
 - Gamified Learning: to make learning fun and interesting.
 - National student ID for keeping track of education progress, especially for migrant worker kids
- Solution & Prototype:
 - Detailed Report & Dashboard of Analysis
 - Prediction of Dropout Rates
 - Focused interventions on the high dropout rates



Describe your Technology stack here:



Idea/Approach Details

Describe your Use Cases here

- Help Government in:
 - Understanding trends in dropout rate,
 - Form new policies and take necessary decisions,
 - Identifying factors affecting dropout rate

- An early warning system for school dropouts can help identify at-risk students and enable targeted interventions to reduce dropout rates, ultimately improving educational outcomes. It also provides valuable data for policy-making and resource allocation.

Describe your Dependencies / Show stopper here

- Dependencies:
 - Data Availability
 - Resources
 - Data Quality & Bias in the data

- Show Stopper:
 - Detailed Analysis On Data
 - [Dashboard](#)
 - [Report](#)

Team Member Details

Team Leader Name: Agarwal Shruti Hemant

Branch (Btech/Mtech/PhD etc): Integrated MSc.

Stream (ECE, CSE etc): Data Science

Year (I,II,III,IV): V

Team Member 1 Name: Esha Mishra

Branch (Btech/Mtech/PhD etc): Integrated MSc.

Stream (ECE, CSE etc): AIML

Year (I,II,III,IV): V

Team Member 2 Name: Sharma Radhika Shivkumar

Branch (Btech/Mtech/PhD etc): Integrated MSc.

Stream (ECE, CSE etc): Data Science

Year (I,II,III,IV): V

Team Member 3 Name: Sandhu PrableenKaur CharanjitSingh

Branch (Btech/Mtech/PhD etc): Integrated MSc.

Stream (ECE, CSE etc): Data Science

Year (I,II,III,IV): V

Team Member 4 Name: Sagar Khushi Rajeshkumar

Branch (Btech/Mtech/PhD etc): Integrated MSc.

Stream (ECE, CSE etc): Data Science

Year (I,II,III,IV): V

Team Member 5 Name: Patel Vibhuti Kishorbhai

Branch (Btech/Mtech/PhD etc): Integrated MSc.

Stream (ECE, CSE etc): Data Science

Year (I,II,III,IV): V