



**SMART INDIA  
HACKATHON  
2022**

# **Basic Details of the Team and Problem Statement**

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

**Department of School Education & Literacy (DoSEL), Ministry of Education.**

**PS Code: RK789**

**Problem Statement Title:**

**An App or progress card to guide parents to facilitate and ensure holistic growth in cognitive, psychomotor and affective domains.**

**Team Name: Maverickss**

**Team Leader Name: Paramdeep Singh Gill**

**Institute Code: U-0385**

**Institute Name:**

**Thapar Institute of Engineering and Technology, Patiala**

**Theme Name:**

**Miscellaneous**

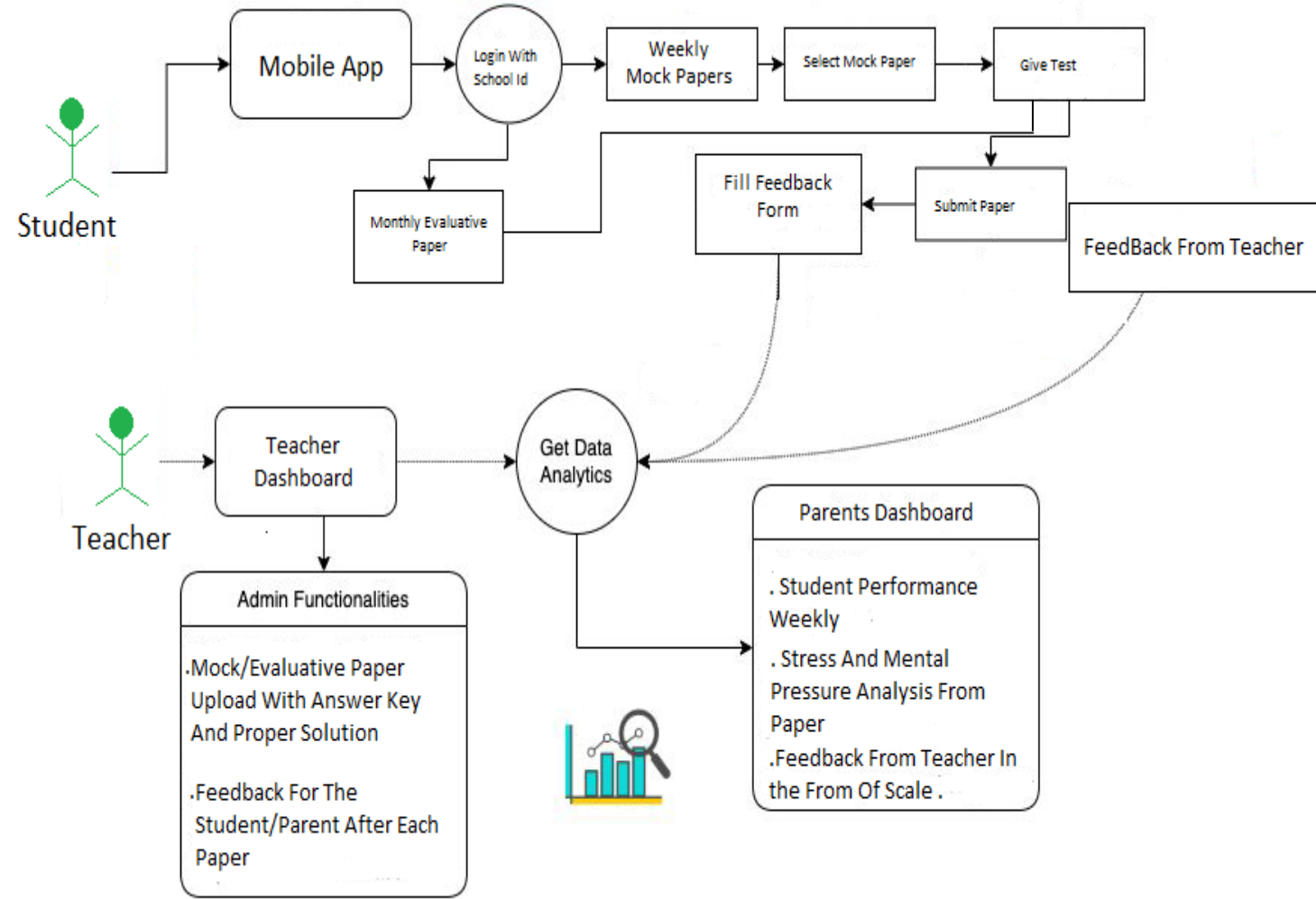
# Idea/Approach Details

## ➤ Idea:

To create a portal where student give mock papers and main paper, and on that basis providing analytics and progress card(Mental and physical health) to the teacher / parent..

## ➤ Technology stack used:

- Flutter and Dart, React Js
- Django , SQLite, Python
- Pandas, Numpy



# Idea/Approach Details

## ➤ Solution:

### ☐ An App (including IOS) Based Application

#### ☐ Registration/Login For

- ❖ **Organization** : To upload the papers and give feedback to the students/parents.
- ❖ **Students**: To give mock/evaluative papers and to help practicing more problems.
- ❖ **Parents**: To get the analytic data of the child and feedback (progress card) from the teacher.

- ☐ **Proper Solution**: There will be proper solution of each question.

➤ **Dependencies**: It requires proper participation of students and teacher.

## ➤ Show Stopper:

- ☐ The user will be able to give mock paper in just one click. No problem of creating profile. User will be given login Id and password from the organization.
- ☐ User will be given **email alerts** for the mock papers and evaluative paper.
- ☐ Application will also have a proper data in the form of graphs for the parents to **analyze the child report and mental stress** during the paper.
- ☐ Mental stress can be analyzed by comparison of mock marks and evaluative marks at different difficulty level . This can be done manually, although in future we will use AI to measure stress.
- ☐ Two papers can be taken one without time constraint and one with time constraint .Then with the help of this we can measure students mental ability and accuracy.
- ☐ Admin will have accessibility to provide the mock and evaluative papers weekly.
- ☐ Admin can also see the child progress so the admin(teacher )can work on the user(student) weakness.

# Team Member Details

## Team Leader Name: Paramdeep Singh Gill

Branch: Btech

Stream: CSE

Year: I

## Team Member 1 Name: Ayush Kumar Singh

Branch: Btech

Stream: CSE

Year: I

## Team Member 2 Name: Harshpreet Singh

Branch: Btech

Stream: CSE

Year: I

## Team Member 3 Name: Shivam Verma

Branch: Btech

Stream: CSE

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## Team Member 4 Name: Uddeeptha Raaj Kashyap

Branch: Btech

Stream: CSE

Year: I

## Team Member 5 Name: Deepanshi Sharma

Branch: Btech

Stream: CSE

Year: I

## Team Mentor 1 Name: Dr. Suresh Raikwar

Category: Academic

Expertise: AI, ML, Image Processing

Domain Experience: 13 years