

AISSCE PROJECT

SYNOPSIS



TITLE : School Management

CANDIDATES : Aryan Kumar

ROLL NO. :

TEACHER : Ms. Sapna Rai

SCHOOL : Mayo International School

YEAR : 2021-22

ACKNOWLEDGEMENT

I would like to convey my heartfelt thanks to **Ms. Sapna Rai**, our subject teacher, who always gave her valuable suggestions and guidance in anything related to this project.

She has helped me explore and understand many important details of this project '**School Management**' that I would have otherwise not been able to create. This project has been successful only because of her guidance. I would also like to extend our gratitude to **Ms. Hembala**, our Principal, for providing the required facilities.

CERTIFICATE

This is to certify that this project synopsis is a bona fide work done by Aryan Kumar of class XIIth B bearing Roll No. _____ and _____ in session 2021-22 in fulfilment of **CBSE's AISSCE Examination 2022** and has been carried out under the direct supervision and guidance of **Ms. Sapna Rai**. This report or a similar report on the topic has not been submitted for any other examination and does not form a part of any other course undergone by the candidates.

Signature of External Invigilator

Signature of Subject Teacher

Name : _____

Name : **Mrs. Sapna Rai**

(Computer Science)

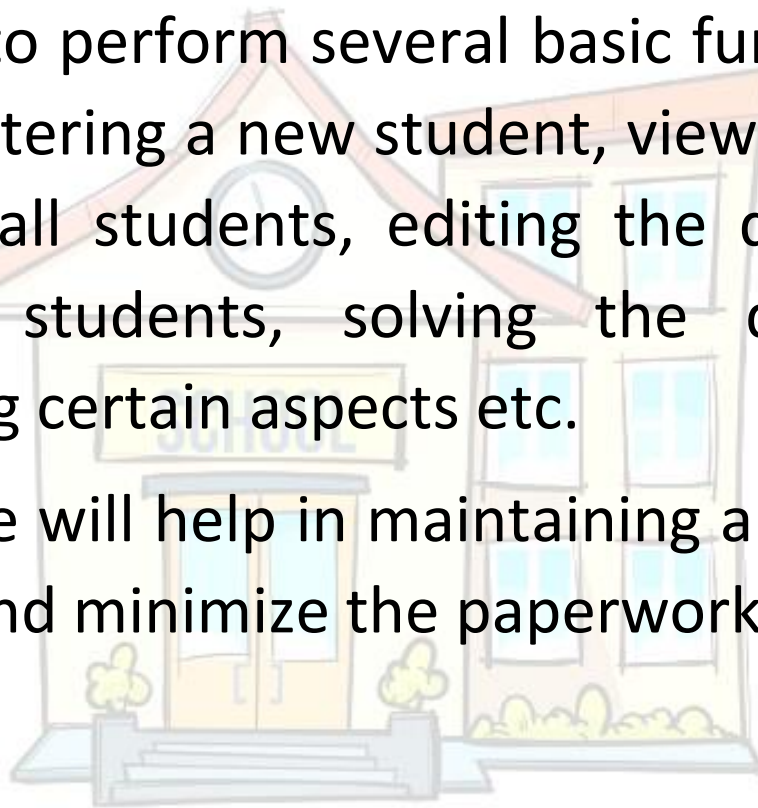
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1. INTRODUCTION

In this project synopsis I am providing the details of the project code where we will be able to perform several basic functions like registering a new student, viewing the data of all students, editing the data of existing students, solving the queries regarding certain aspects etc.

This code will help in maintaining a school record and minimize the paperwork.



2. TEAM ROLE

AND

PROJECT PLAN

2.1 Team Roles

ROLE	ROLE DESCRIPTION	TEAM MEMBER NAME
SQL Connectivity with Python	Will perform the SQL and python connectivity code which will help in saving the data used in the code in the SQL database	Alok Yadav
Program logic developer	Will work on major code for the program and also in developing the program logic	Aryan Kumar

2.2 Project Plan

PHASE	TASK	WHO IS RESPONSIBLE
Preparing For Project	Coursework and reading	Aryan Kumar
Defining The Problem	Background reading	
	Team meeting to discuss issues	
Brainstorming	Team meeting to generate ideas	
Designing your solution	Team meeting to design solution	Alok Yadav
Collecting and preparing data	Team meeting to discuss data requirements	
	Data collection and preparing	
Prototyping Testing	Creating application and performing desired operations	Aryan Kumar
	Write a program to initiate actions based on result of the model	

2.3 Communications Plan

1. Meeting will be held online.
2. Meeting will be held once every two weeks.
3. Aryan Kumar will set up online documents and ensure that everyone is contributing.
4. Tool to be used for communication :-
 - Zoom Cloud Meetings
 - Google Meet

2.4 Team meeting minutes

Date of meeting : 17/10/2021

Who attended : All

Who wasn't able to attend : None

Purpose of meeting : Researching the content

Items discussed :

1. Functions to be performed
2. Coding idea of the application

Things to do (what, by whom, by when) :

1. Start making a word file (Aryan Kumar) – by next meeting
2. Start researching data (Alok Yadav) – by next meeting

3. PROBLEM

DEFINITION

3.1 List important local issues faced by the community

The most important issue faced by our community is the excessive use of paperwork for work as small as distribution of prize to as large as result declaration leading to excessive wastage of resources.

Also, it was becoming hectic for management to manage student records like admission, details, TC etc and finding that paperwork.

3.2 Which issues matter to you and why?

What matters to us the most would be shifting the paperwork of administration like admission processes to a digital platform creating a smooth and efficient network along with reducing huge amount a paperwork.

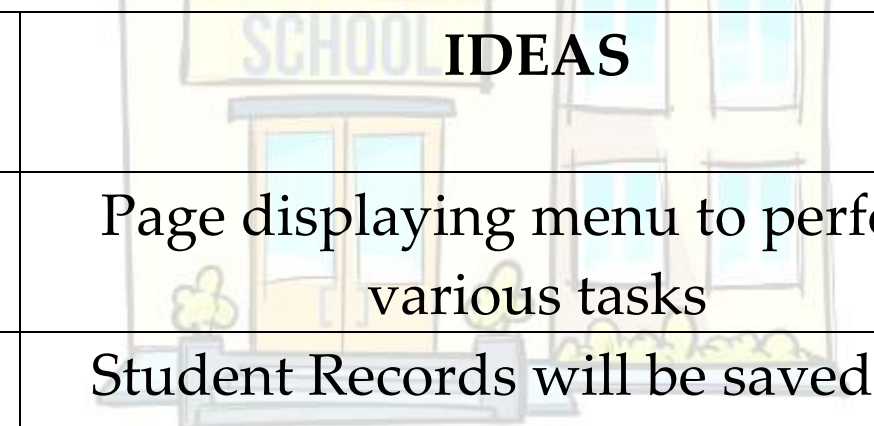
3.3 Which issue will you focus on?

We will focus on proper, efficient and speedy resolution of the requests the guardians and working of administrative works.

4. BRAINSTORMING

4.1 Ideas

How might you use the power of Python using File Handling and Connectivity feature to solve the users' problem by increasing their knowledge or improving their skills?



S. NO.	IDEAS
1.	Page displaying menu to perform various tasks
2.	Student Records will be saved in a particular database
3.	Easy changes made in student details
4.	Help desk for queries

5. DATA

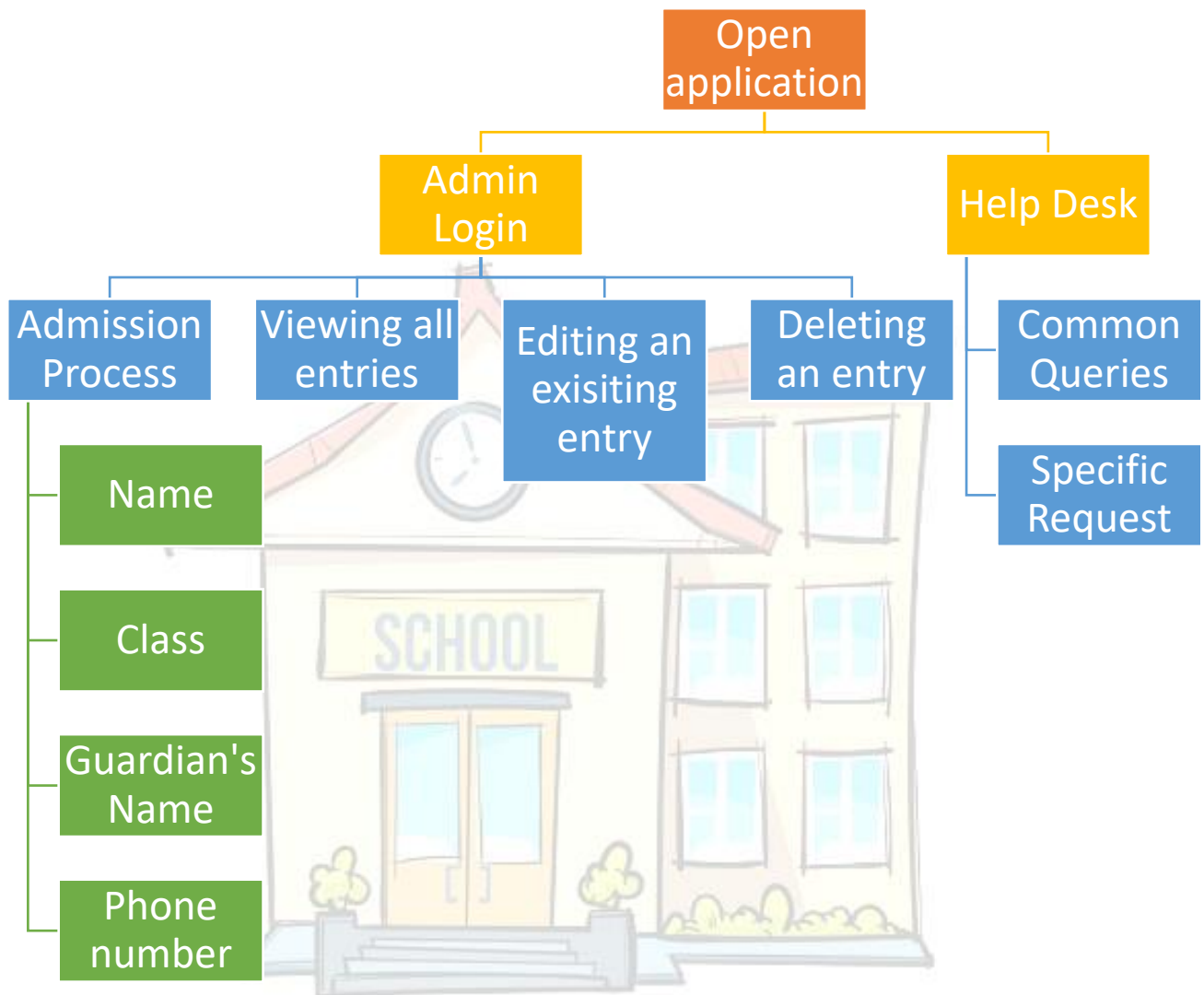
5.1 What data will you need for project?

Students enrolled in past one year in school along with their details.

5.2 Where or how will you source your data?

DATA NEEDED	WHERE WILL THE DATA COME FROM?	WHO OWNS THE DATA?	DO YOU HAVE THE PERMISSION TO USE THE DATA?
Student details	Entry by user	School	Yes
Admin login detail	By the Admin	Us	Yes

6. METHODOLOGY



7. HARDWARE AND SOFTWARE

Hardware Specifications:-

- 1) **Processor** : Intel(R) Core(TM) i5-1035G1 CPU @ 1.00GHz 1.19 GHz
- 2) **Installed RAM** : 8.00 GB
- 3) **System Type** : 64-bit operating system, x64-based processor

Software Specifications:-

- 1) Python IDLE (3.10, 64bit)
- 2) OS : Windows 10
- 3) Microsoft Word 2010

8. LIST OF

REFERENCES

- 1) www.wikipedia.com
- 2) www.python.org
- 3) www.mysql.org
- 4) [Brave Browser](#)

