

Synopsis
on
Project Title
to be developed to fulfill the requirements for
Integrated Project (CA329)

Submitted to
Department of Computer Applications
Chitkara University, Punjab



under the supervision of
Faculty 1
Designation

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Bachelors of Computer Applications
(Batch 2020-23)

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1. Abstract

Student Management System is software which is helpful for students as well as the school authorities. In the current system, all the activities are done manually. It is very time-consuming and costly. Our Student Management System deals with the various activities related to the students such as Teachers can store the record of students as well as can maintain the student record with the given various features in the program

In our proposed system we have the provision for adding the details of the students themselves. So, the overhead of the school authorities and the teachers become less. Another advantage of the system is that it is very easy to edit the details of the student and delete a student when it is found unnecessary. The marks of the student are added to the database and so students can also view the marks whenever they want.

Our proposed system has several advantages:

- User-friendly interface
- Fast access to the database
- Less error
- More Storage Capacity

2. Introduction

The student management system is an environment where all the process of the student in the institution is managed. It is done through the automated computerized method. Conventionally this system is done using papers, files, and binders.

This system saves the time of the student and of the administrator. It includes processes like registration of the student's details, assigning the department based on their course, and maintenance of the record. This system reduces the cost and workforce required for this job. As the system is online the information is globally present to everyone.

This makes the system easy to handle and feasible for finding the omission with updating at the same time. As for the existing system, they use to maintain their record manually which makes it vulnerable to security. If filed a query to search or update in a manual system, it will take a lot of time to process the query and make a report which is a tedious job.

As the system used in the institute is outdated as it requires paper, files, and binders, which will require the human workforce to maintain them. To get registered in the institute, a student in this system should come to the university. Get the forms from the counter while standing in the queue which consumes a lot of the student's time as well as of the management team.

As the number of the student increases in the institute manually managing the strength becomes a hectic job for the administrator. This computerized system stores all the data in the database which makes it easy to fetch and update whenever needed.

2.1 Project Aim and Objectives

- Streamlined, Simplified Tasks
- Improved Communication
- More Efficient Scheduling
- Student Tracking
- Reduced Workload
- Sustainability
- Access from Anywhere
- Transparency and Accountability

2.2 Technology to be used

- Python
- IDE
- Modules

2.3 Hardware and Software Requirement

Client Side

Processor: Intel i3 or ryzen 3

Operating system: Windows 7 or more

Memory : 2gb ram

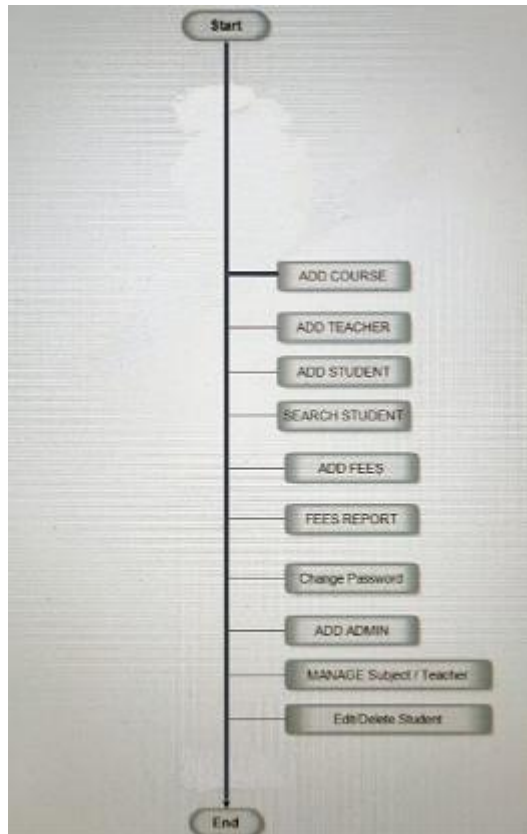
Hard disk space : 1 gb sdd

Software version: latest

Server Side

Processor	Intel i3 or Ryzen 3
Operating system	Windows 7 or more
Memory	4 gb ram
Hard disk space	10 gb Hdd or more

3. Data Flow Diagram



4. Timeline (Suggested)

	1 Dec - 12 Dec 2020	14 Dec – 26 Dec 2020	29 Dec – 8 Jan 2020
Synopsis Submission	←→		
Implementation	←→		
Report Writing		←→	
Final submission		←→	

5. References

- **Family**
- **Friends**
- **Youtube**