

A
MICRO PROJECT REPORT
ON
“Capstone Project Planning”

SUBMITTED TO THE MSBTE, MUMBAI IN PARTIAL FULFILLMENT OF THE
REQUIREMENTS FOR THE AWARD OF THE DIPLOMA

Jadhav Sakshi	:	2115200044
Sutar Rupali	:	2115200073
Rane Isha	:	2215200253
Kharade Shravani	:	2115200047

UNDER THE GUIDANCE OF
Mrs. Nazirkar S.B.



DEPARTMENT OF COMPUTER ENGINEERING
SHARADCHANDRA PAWAR INSTITUTE OF TECHNOLOGY,
SOMESHWARNAGAR TAL:-BARAMATI DIST:-PUNE
Academic Year: 2023-24



DEPARTMENT OF COMPUTER ENGINEERING
SHARADCHANDRA PAWAR INSTITUTE OF TECHNOLOGY
SOMESHWARNAGAR
TAL:-BARAMATI DIST:-PUNE
Pin No:-412306

CERTIFICATE

This is to certify that the Project report entitled

“College Jackpot Mobile Application”

Submitted by

Jadhav Sakshi	:	2115200044
Sutar Rupali	:	2115200073
Rane Isha	:	2215200253
Kharade Shravani	:	2115200047

Is a bonafide work carried out by them under the supervision of Mrs. Nazirkar S.B. and it is submitted towards the partial fulfillment of the requirement of MSBTE, Mumbai for the Award of the Diploma of Computer Engineering

Mrs. Nazirkar S.B.

(Internal Guide)

Mrs. Nazirkar S.B.

(H.O.D)

Place:-Someshwarnagar

Prof. Hajare S.K

(PRINCIPAL)

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Yours Sincerely,

Jadhav Sakshi

Sutar Rupali

Rane Isha

Kharade Shravani

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➤ **Abstract:-**

The Project titled “college jackpot mobile application ” is a mobile application developed to maintain the results of the students.

This project contains three modules. student module , teacher module ,principle model.

Student module is used to see the all subjects questions paper , academic calendar , syllabus ,attendance etc. The teacher module is used to fill the student attendance related data and submit the leave application. And last Principle module is used to give the permission for teacher leave applications.

This project deals with the various functioning in College management process. The main idea is to implement a proper process to system .In our existing system contains a many operations to see the all subjects questions paper , academic calendar , syllabus ,attendance etc , to fill the student attendance related data and submit the leave application , to give the permission for teacher leave applications.

Chapter No:-1

1.1 Introduction

We identify several problems including unauthorized privilege escalation, incorrect use of cryptography, vulnerabilities to network threats, and poor software development processes. We show that only college administrator can start the system.

Administrator can search the particular student by his/her enrollment number or student id And we are adding notification module where administrator should add the notification with start and end date.

The first phase of software project is to gather requirements .Gathering software requirements begins as a creative brainstorming process in which the goal is to develop an idea for a new and modules that no other software vendor has thought. New software modules ideas normally developed as a result of analyzing the project

The main function of requirements gathering phase is to take an abstract idea that fills a particular needs or that solves a particular problems and create a real world project with a particular sets of objectives, timeline and team.

Some of the highlights of the requirements gathering phase include:

- Collecting project ideas.
- Gathering customer requirements and proposed solution.
- Justifying the project.
- Submitting the request for proposal
- Getting the team in phase.
- Preparing the requirements documents.

1.2 Project Objectives

- A college management system allows colleges and higher education institutes to manage their enquiries and leads, carry out online admissions, teach virtually, sell courses, track student progress, take exams and quizzes, manage attendance, take assignments online, manage learning material, generate report cards, create ID cards and documents, send notices and announcements, manage communications, manage timetables, manage results online.
- It gives the educators, students and parents a platform such as web app, Android app, iOS app to carry out their day to day activities, communicate and collaborate.
- College jackpot is an unique cloud based system that can be used by teachers, students and parents to perform all of their academic activities online through web or app.
- By this application student can easily access the modules like to see the all subjects questions paper , academic calendar , syllabus ,attendance etc.
- The teacher module is used to fill the student attendance related data and submit the leave application.
- And last Principle module is used to give the permission for teacher leave applications.
- This can include the student's social behavior, discipline, work habits, learning skills, extracurricular skills, and lots more.

Chapter No:-2

2.1 Financial feasibility:

Financial feasibility refers to financial support required. It refers to finance incurred during the development of the project.

2.2 Technical feasibility:

Technical feasibility refers to technical knowhow and auxiliary devices required.

Since our project in JAVA so we need to have a strong base in programming. A computer with JDK installed is needed.

2.3 Behavioral feasibility:

Refers to reaction of the people towards the project.

2.4 Operational feasibility:

Operational feasibility means is it possible to practically implement the project. While installing this software, the hardware and software requirements should be specified.

2.5 Economical Feasibility

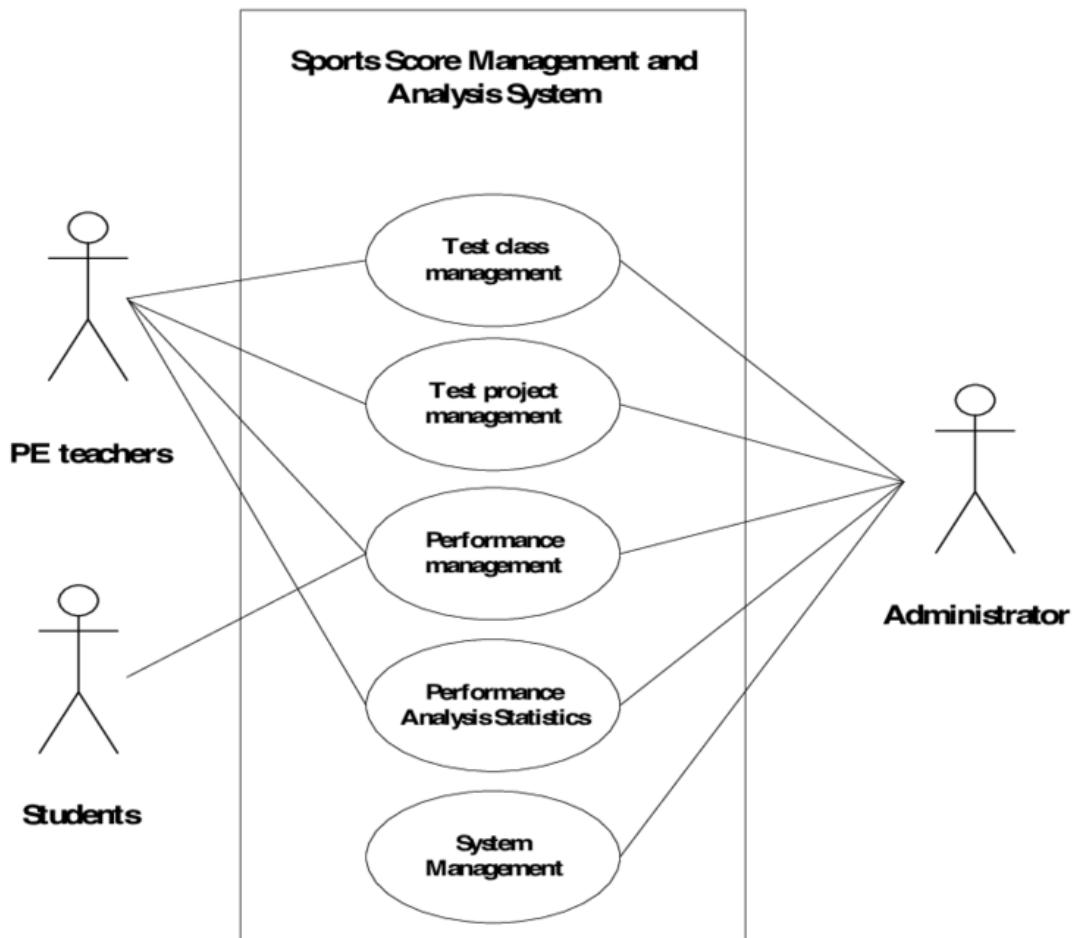
TO implement the system we require more than one computer. Since the system will be implemented in existing environment there will be no need to buy the computers. The system is economically feasible to implement.

2.6 Operational Feasibility

Our system will be easy to install and use. Hence our system is operationally feasible.

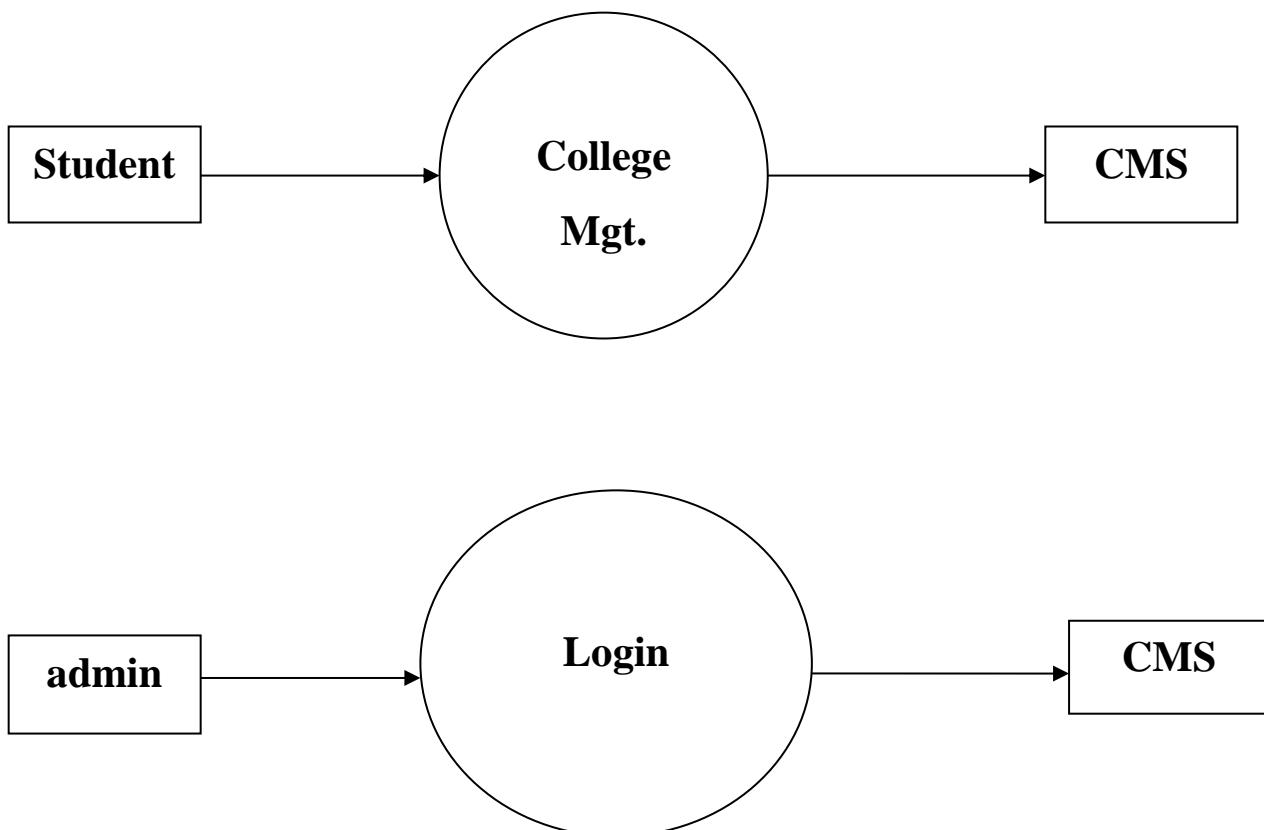
Chapter No:-3

3.1 Use Case



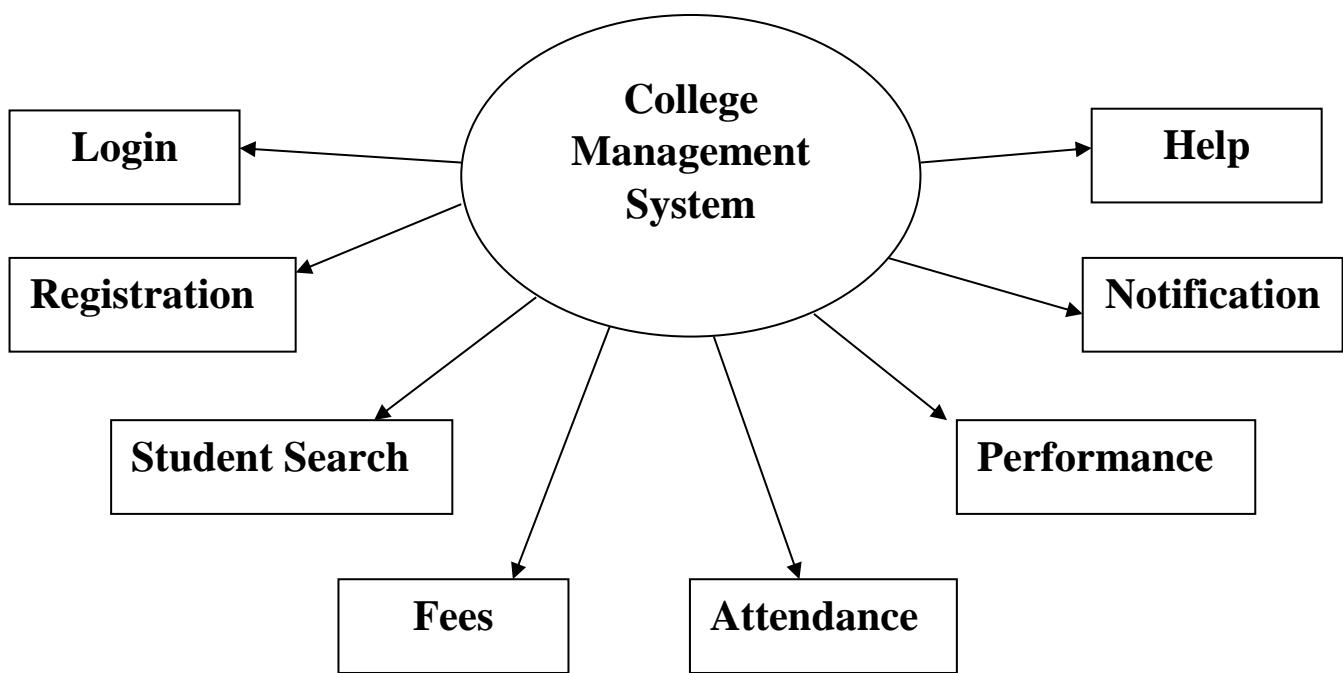
3.2 Data Flow Diagram

Level-0

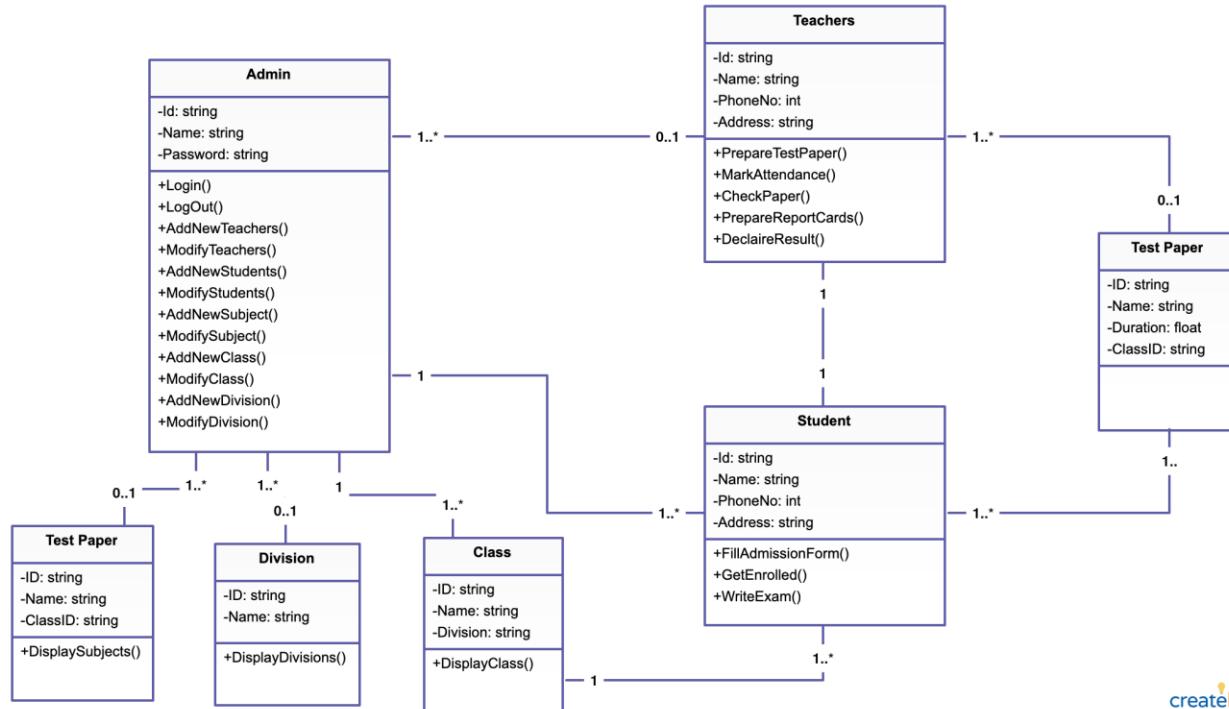


LEVEL- 1 DFD

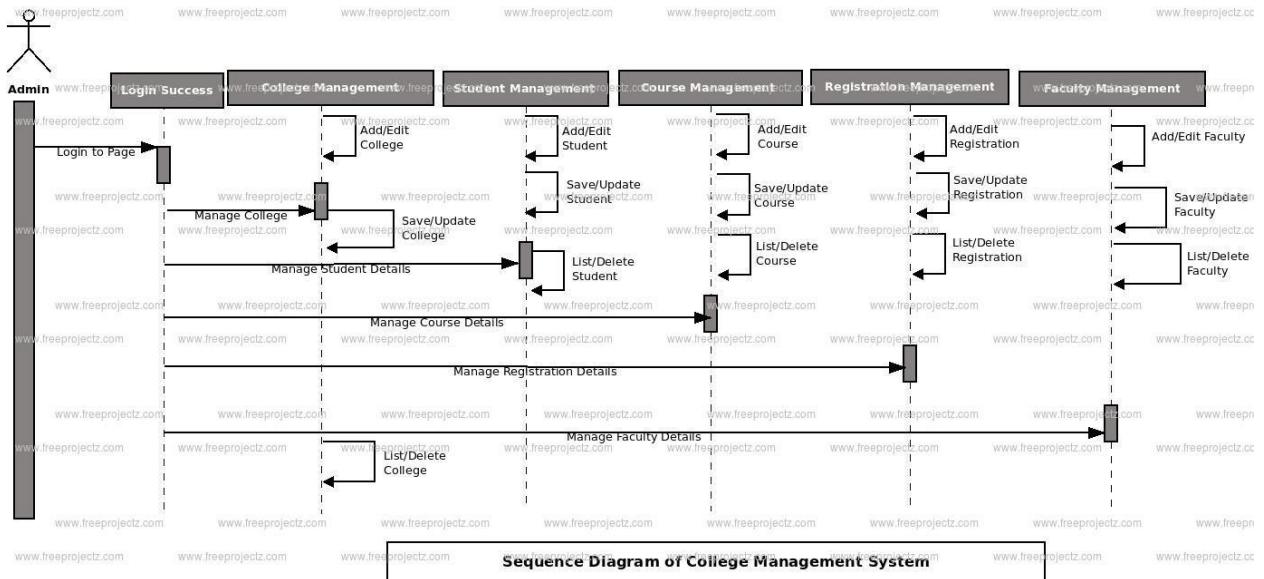
Level-1



3.3 Class Diagram



3.4 Sequence Diagram





Chapter No:-4

➤ **System Requirements:-**

Operating system: - Microsoft Windows 7.

Front End: -xml

Back End: - Oracle, Java , MYSQL (Database plays an important role in solving the Problem of information management).

➤ **Hardware Requirements:-**

- Laptop/desktop
- RAM - 8GB
- Hard Disk – 500GB

➤ **Software Requirements:-**

- Android studio

Chapter No:-5

5.1 Conclusion

I have concluded, this application student can easily access the modules like to see the all subjects questions paper , academic calendar , syllabus ,attendance etc.

The Application is easy to use, reasonably secure and enforces data integrity resulting from the use of a relational database management system.

The software design if effectively implemented will solve the problems associated with manual processing of teacher leave application.

5.2 Reference:-

1. <https://www.ibm.com/topics/mobile-application-development>
2. <https://developer.android.com/studio/archive>
3. Let us book:- Android Security Cookbook by Keith Makan
4. Let us book:- Android Programming for Beginners by John Horton