College Management System

RESPONSIVE WEBSITE(WEB-DEVELOPMENT)

A Project Work Synopsis
Submitted in partial fulfillment of the requirements for the award of degree of

BACHELOR OF

ENGINEERING IN

COMPUTER SCIENCE AND ENGINEERING

(Internet of Things)

S.V.N RAHUL, PARIKSHIT SHARMA, RITIKA, SARABJIT

19BCS4539, 19BCS4520, 19BCS4540, 19BCS4536

Under the Supervision of:

Mr. PIYUSH SAMANT

CHANDIGARH
UNIVERSITY
Discover. Learn. Empower.

CHANDIGARH UNIVERSITY, GHARUAN, MOHALI - 140413,
SEPTEMBER,2021

Abstract

This website will be a responsive web application for a college that will allow the admin to manage the resources. The admin can have the record of their Student and teacher online and can access it at any time using this portal. The platform will allow the student and teacher to Login and get the information related to college. College Website, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information. The purpose of the website is to bring easier administration of a college between the teachers and students.

Users of the website
The Estimated number of total Users initially will be:
1 Teachers

2 Student

3 Administrator

Every user has his /her own data related to college and he/she can access the features according to his user profession and if the user is a student he /she can have the features like attendance, fee, courses, library and hackathon etc .If he/she is a teacher then he has the things like updating attendance, and his/her own attendance, profile card ,e-library etc. The main objective of this website is to make a virtual interaction between the staff and students. This definitely helps and moreover this is very easy to access and every notice will come to our knowledge. We can gain a Good knowledge by this website like we have different clubs and their information etc.

Table of Contents

S.no	Topic	Page Number
1	Title Page	1
2	Abstract	2
3	Table content	3
4	List of Figures	4
5	Gantt Chart	5
6	Introduction	5-9
7	Literature survey	10-11
8	Problem Formulation	12
9	Research Objectives	12-13
10	Methodology	13
11	References	14

List of Features

User	Responsibilities
Teacher	• Dashboard • Edit profile-card • Create/find/edit Student • Create/find/edit Attendance • Create/edit courses • Create/find/edit timetable • Modify Assigned courses • Upload Videos, ppt, Photos • Apply for Leave • Additional features will be added
Student	• Dashboard • Edit-profile card • Courses • Result • View Timetable • announcements • Library • Apply for leave • Examination • Fee payment • Rate Collage

Gantt Chart

S.NO	Task	Start Date	Ending Date
1	Home Page	25 August,2021	2 September,2021
2	SMTP(backend)	2 September,2021	7 September,2021
3	Blog +contact us form	7 September,2021	15 September,2021
5	Chat bot	15 September,2021	24 September,2021
6	Register and Sign-up	23 September,2021	29 September,2021
7	Dashboard for user	29 September,2021	10 October,2021
8	Fee payment(Gateway)	10 October,2021	17 October,2021
9	Payment status page	17 October,2021	23 October,2021
10	Library for E-learning	23 October,2021	3 November,2021
11	Final report	3 November,2021	27 November,2021

INTRODUCTION

Problem Definition:

The project titled “College management system “is a responsive web application. It shows the main details about the college. The clients can connect to the server. Each user first makes their login to sever to show their availability. The server can be any Web Server. An SMTP Server must be maintained for the temporary storage of emails and chat jar files for enabling the chatting facilities.

Project Overview/Specifications

The main modules in this project.

Modules

- Admin
- Students
- Staffs

The visitor module includes,

- Visitors can able to see the home page of the college website
- Department details, facilities in the college, features of the college, contact details
- Also, visitors can able to know about the courses, admission, details, fee details, notification, pass-out details, college performance, placement, and online chatbot.

The registered user module includes,

- Teaching staff & Nonteaching staffs
- Staff in the office
- Students

Each module has special different facilities.

•Admin

The principal has complete control over all the sub-modules.

- View: This module helps the Admin to view the head of the department details, Students details, Staff details, Parents, and Alumni details.
- View and delete registered feedback and blogs: This module helps the Admin to add and delete registered feedback
- Add, delete and view persons: This module helps the Admin to add, delete and view person details
- Add and view registration: This module helps the admin to add and view registrations in the field of Head of the department, Students, Parents, and staff.
- Add and view Reports: This module helps the Admin to add and view reports
- View and delete all complaint reply: This module helps the Admin to view and delete complaint reply.
- View students report: This module helps the Admin to view students reports
- Change password: This module helps the Admin to update his or her password
- Chat: This module help the Admin to chat with the Head of the Department
- Mail: This module helps the Admin to send mail to the Department.

The Registered module includes,

•Students

The Students have restricted facilities.

- View: This module has only viewed the details of all the application forms offered to them like the timetable, profile card, courses, E-library, fee- details, Attendance, and club information.
- Add and view registration: This module helps the students to add and view registrations in the field of Students only.
- View Uploaded Reports: This module helps the Students to view reports
- View students report: This module helps the Students to view students reports
- Change password: This module helps the Students to update his or her password

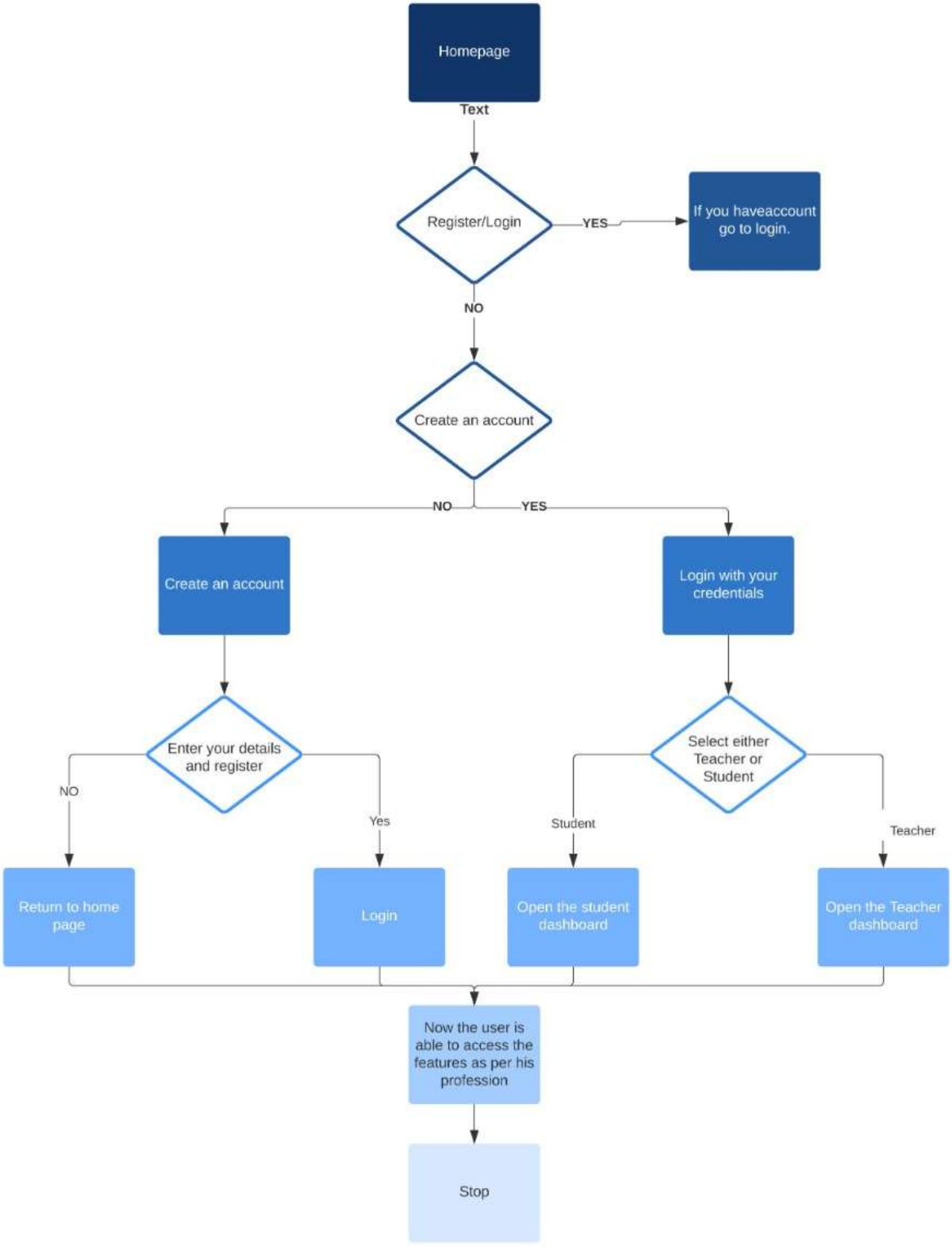
•Staff

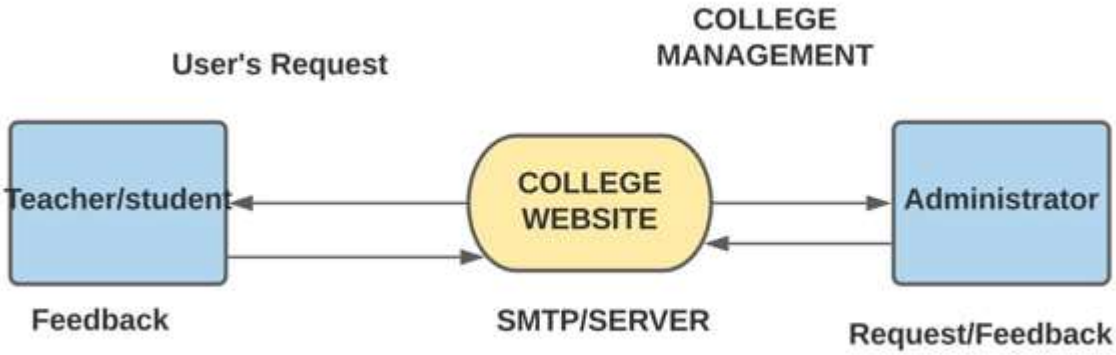
The Staff has specified facilities.

- View: This module has only viewed the details of all the application forms offered to them.
- Add and view registration form: This module helps the Staff to add and view registrations in the field of Staff only.
- View Reports and Notifications: This module helps the Staff to view reports
- View students report: This module helps the Staff to view students' reports and add information related to the course.
- Change password: This module helps the Staff to update his or her password.

BLOCKDIAGRAM FORCOLLEGE MANAGEMENT SYSTEM

saraburahul19 | October 6, 2021





Software Specification:

Visual Studio Code

Software Configuration:

This software package is developed using HTML, CSS, Bootstrap, JavaScript, jQuery as client-side validation, SMTP, PHP as business logic, MySQL to store the database, and Apache as a web server.

Operating System: Windows XP, Windows 7, Windows 8, Windows 10 , Windows 11
Front end: HTML, CSS, Bootstrap
Client-side Validation: JavaScript, jQuery
Server-side Validation: Ajax, SMPT
Business Logic: PHP
Database: MySQL
Web Server: Apache

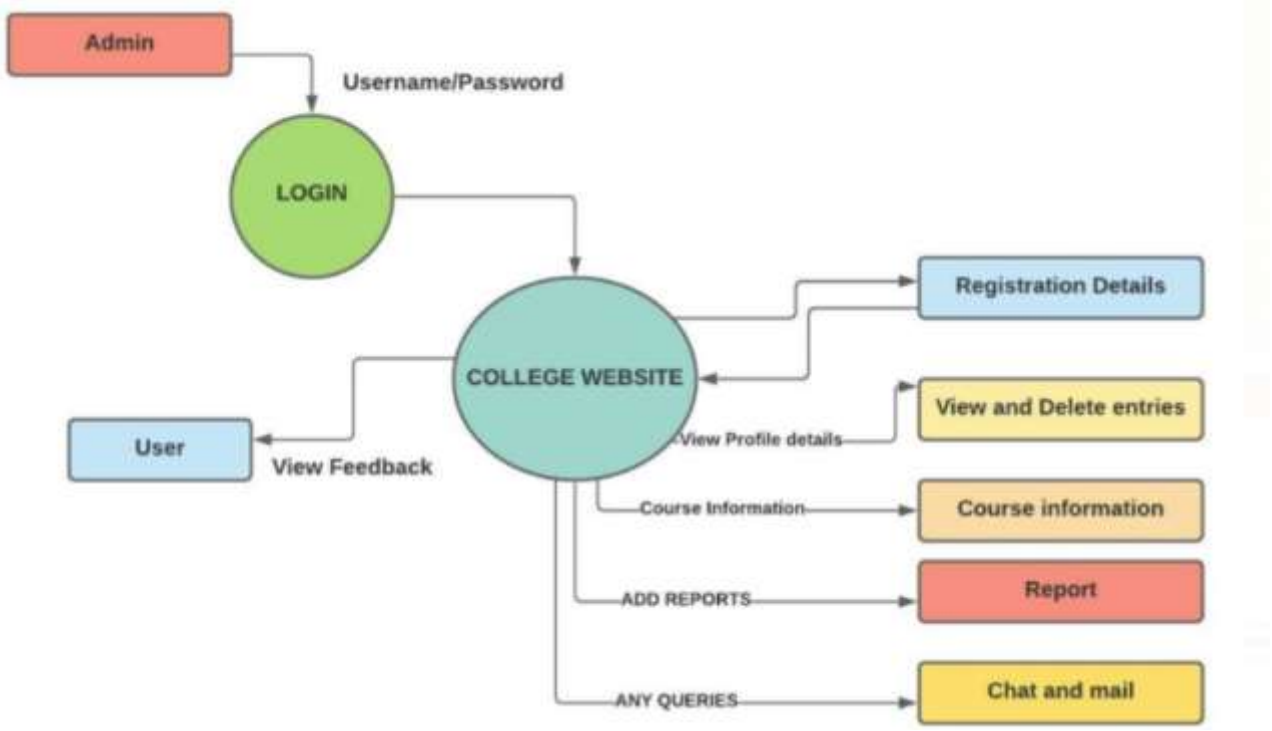
Hardware Configuration:

Processor: Core i5, 1.5MHz(minimum)
Hard Disk: 150 GB(minimum)
RAM: 4GB(minimum)

Literature Review ::

Existing Systems :

The existing college website is responsive which makes it less interactive. It doesn't have database connectivity. Moreover, students didn't have access to the details of the college through the site, hence they were not updated about the latest events and placement drives.
In order to make the site dynamic and more interactive, we have tried to include a database link to our college website. Hence the recruiters have been provided with the facility to post their eligibility criteria, vacancies, and salary packages. In response to which a student can submit his willingness to appear for the drive along with his personal details Provision has also been made to display the latest events and announcements associated with the college online.



Proposed System :

The purpose of College Website is to automate the existing manual system by the help of computerized equipments and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with.

College Website, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information.

Problem Formulation::

The digital world is fundamentally changing how Colleges are adapted to e- learning and digitlization . Enabled by data and technology, it has radically changed the way people consume content, communicate, and access and services. New people are popping up overnight even as existing ones work to gain the required agility to compete in today's increasingly complex market landscape.

We are making a website for College named as "Hongkong University". In this web application or website we are making a connection virtually between college and students. Through this website, we will provide all the necessary features that bring the interaction with people like courses attendance assignments fee payments and many other features can be accessed from the website. As a medium, this website will store the necessary information and update every single update related to college and students can know about various activities that are being held at college like hackathons and google forms etc. We can access this website from any where in the world by using internet.

On the home page we are providing a Management system-like view where users can see as many features as we see in the live classes. Users can open any thing with just a click and get whatever they want. We are also offering online payment options through Google Pay or any other card for which we are using Razorpay. First of all, the user has to authenticate himself on the basis that the server will provide the payment gateway. We are using XAMPP and php as a database to store data. We are dealing with real time data so we are using real time database on XAMPP server.

We are also offering online payment options through Google Pay or any other card for which we are using Razorpay. First of all, the user has to authenticate himself on the basis that the server will provide the payment gateway. We are using XAMPP and php as a database to store data. We are dealing with real time data so we are using real time database on XAMPP server.

FUTURE SCOPE:

The tremendous popularity of using the social media networking could never have been realized before. In fact, social media have become an important tool of marketing in true sense of customer orientation. But this kind of social networking site which can access only for college campus not from outside the college will make a dramatic changes inside the college campus.

 The scope of Intra-College Communication System is widening and today it offers a strong support to the college campus in providing the much desired touch of concern.

 The bright future prospect of college networking is also proven with the fact that the technology is integrated in mobile phones as well.

 The project is developing with the power of interpersonal communication on a globalized outlook.

Research Objectives ::

The proposed work is aimed to carry out work leading to the development of an approach for an application of market like virtual store. The proposed aim will be achieved by dividing the work into following objectives:

- To explore about various tools and language like HTML, CSS ,JS, PHP to make an website.
- To design different layouts for frontend using HTML, CSS ,Bootstrap.
- To verify account and online payments using PHP payment gateway.
- To track the location with some dependencies.
- Different UI technique will be analyzed to make the application more user friendly and easy to use.

Methodology::

To understand the student behavior of newly launched online student management system for college, we have undertaken a descriptive study through a survey by forming a self-constructed questionnaire considering the research objective.

This study is carried out on the basis of both Primary and Secondary Sources.

Primary Data :: It was collected by means of systematically prepared questionnaire from online users . A five-point scale ranging from

strongly agree to strongly disagree has been used to collect a quick response from the respondents.

Secondary Data:: It has been collected from various research papers and websites.

References ::

www.w3school.com

www.stackoverflow.com

https://youtu.be/BpYrAJdmQm8

https://www.youtube.com/watch?v=vpA50_8DXzg&list=PLbGui_ZYuhiihdSW-kg50d0L4or1DWvko&index=16

https://www.youtube.com/watch?v=iNX8wFqmk0Y

https://www.youtube.com/watch?v=tK8UwQl5OF0

https://www.youtube.com/watch?v=R01_nw3eims

https://bootstrapcreative.com/

https://www.codingnepalweb.com/copy-text-to-clipboard-button-javascript/

https://animate.style/

https://unsplash.com/

https://www.php.net/manual/en/mysqlinfo.api.choosing.php