

**MINI PROJECT
(2019-20)**

COLLEGE MANAGEMENT SYSTEM

Department of Computer Engineering &
Applications

Institute of Engineering & Applications



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DECLARATION

We hereby declare that the mini project entitled College Management System which is being submitted in partial fulfillment of the requirement for award of the Degree of Bachelor of Engineering in Computer Science and Engineering to G.L.A. University, Mathura is an authentic record of our own work done under the guidance of Mrs. Ruchi Gupta Ma'am, Department of Training & Development, GLA University, Mathura.

The matter reported in this Project has not been submitted earlier for the award of any other degree.

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Course: B.Tech(CSE)

Year: 3rd Year

Semester: 6th

CERTIFICATE

This is to certify that the Mini Project report entitled College Management System submitted by Aryan Sethi, Anugrah Agarwal and Adesh Chauhan has been carried out under my guidance & supervision. The project report is approved for submission towards partial fulfillment of the requirement for the award of the degree of BACHELOR OF ENGINEERING in COMPUTER SCIENCE & ENGINEERING from GLA UNIVERSITY, MATHURA.

Supervised By:

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ACKNOWLEDGEMENT

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We owe sincere thanks to all the faculties in Department of Computer Science and Engineering for their advice and counseling time to time.

ABSTRACT

College Management System is an internet based Web Portal that aims at providing information to all levels of management system for the College. This system can be used as an information management system for the college. The College Management System application will allow the authorities of the college management to reduce the pen paper work which is a tedious job. There are many departments of administration for the maintenance of college information and student databases in any institution. All these departments provide various records regarding students. Most of these track records need to maintain information about the students. This information could be the general details like student name, course, performance, etc. or specific information related to departments like collection of data. All the modules in college administration are interdependent. They are maintained manually. So they need to be automated and centralized as, Information from one module will be needed by other modules.

For example when a student needs his course completion results it needs to check many details about the student like his name, registration number, year of study, exams he attended and many other details. So it needs to contact all the modules that are office, department and examination and result of students. This project is useful for easy user interface. The system utilizes the powerful database management, data retrieval and data manipulation. This project provides more ease for managing the data than manually maintaining in the documents. The project is useful for saving valuable time and reduces huge paperworks.

For a given registrar / staff / student (Technical / Non-technical) the Administrator creates login & password, using these registrar/ staff / student (Technical / Non-technical) can access the system to either upload or download some information from the database.

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INTRODUCTION

College Management System deals with all kind of student details, academic related reports, college details, course details, curriculum, batch details and other resource related details too. It tracks all the details of a student from the day one to the end of his course which can be used for all reporting purpose, tracking of attendance, progress in the course, completed semesters years, coming semester year curriculum details, exam details, project details, final exam results ; and all these will be available for future references too through the articles portal .Our program will have the databases of Courses offered by the college under all levels of graduation or main streams, teacher or faculty's details, batch execution details, students' details in all aspects .This program can facilitate us explore all the activities happening in the college, even we can get to know which teacher / faculty is assigned to which batch, the current status of a batch and upcoming requirements of a batch. Different reports and Queries can be generated based of vast options related to students, batch, course, teacher / faculty and even for the entire college.

The College management system is an automated version of manual Student Management System. It can handle all details about a student. The details include college details, subject details, student personnel details, academic details, exam details etc... In case of manual system they need a lot of time, manpower etc. Here almost all work is computerized. So the accuracy is maintained. Maintaining backup is very easy. It can do with in a few minutes. Our system has accessing mode as, Staff Entry Login Page so that the security is maintained as the students would not be able to manipulate any data as the faculty would be sole operator of the portal . College management system is managed by an administrator i.e Faculty. It is the job of the faculty to insert update and monitor the whole process. When a user log in to the system. He would only view details of the student. He can't perform any changes .

PURPOSE OF PROJECT

Every College Management System has different College needs, therefore we design exclusive employee management systems that are adapted to your managerial requirements. This is designed to assist in strategic planning, and will help you ensure that your organization is equipped with the right level of information and details for your future goals. Also, for those busy executive who are always on the go, our systems come with remote access features, which will allow you to manage your workforce anytime, at all times. These systems will ultimately allow you to better manage resources.

The proposed “College Management System” is economically feasible because:

- ☐ The system requires very fewer time factors as compared to manual system.
- ☐ The system will provide fast and efficient automated environment instead of slow and error prone manual system, thus reducing both time and manpower spent in running the system.
- ☐ The system will have GUI interface and very less user training is required to learn it as is made using simple web technologies as HTML, CSS, PHP and queries are run using MySql.

PROJECT & PRODUCT OVERVIEWS

Every organization whether big or small, has challenges to overcome and managing the information of Course, College, Faculty, Exam, Students. The main objective of the Project on College Management System is to manage the details of College, Course, Batch, Faculty, Students. It manages all the information about College, Exam, Students, and College. The project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for managing the College, Course, Exam, and Batch. It tracks all the details about the Batch, Faculty, and Students.

HOW IT BENEFITS THE USERS

- The software facilitates the faculties to scores of the students of the college.
- The software gives the information such as student personal data, student fees details, results etc.
- Generating the print reports of student personal, fee as well as result details....
- Hence we conclude that the present system (CMS for Colleges) would definitely help the user by saving time and effort by reducing the processing time and volume of errors.
- The efficiency of the work done would be improved and work satisfaction on the part of the employees after computerization would definitely on high.
- The user satisfaction would be definitely higher when compared to the old manual system.

HOW IT BENEFITS AS A PRODUCT

- The main benefits of developing the current project entitled “COLLEGE MANAGEMENT SYSTEM ” is to build effective system which is fast, accurate, consistency, reliable and flexible enough so that it can incorporate any future enhancements.
- By automating the system using computers, sophisticated technology can be used for making the information more flexible, accurate, and secure and user friendly.
- Time and man power can be more effectively utilized and online information can be easily available to the user and at the same time we can maintain higher level of security.
- Every user such as student and staff can able to see the information of each student through online from anywhere and anytime.

TEAM ARCHITECTURE

There were three members in our project. The complete project was divided into two teams.

TEAM 1: REQUIREMENT GATHERING & PLANNING

Planning identifies all deliverable services, describes the facilities, and defines the working to provide details about lab details to the faculties. This planning problem starts with a specification of user demand that is to be met by the production plan. For this context, the facilities provided to the user faculties are the major concern to be concentrated. This includes the easiest and efficient way to make them available an unoccupied lab. Consequently, all the fields must be kept while developing. Generally, a planning problem exists because there are limited production resources that cannot be stored from period to period. Choices must be made as to which resources to include and how to model their capacity and behavior, and their costs. Also, there may be uncertainty associated with the production function, such as uncertain yields or lead times. One might only include the most critical or limiting resource in the planning problem. Here comes the role of proper requirement gathering. If the requirements of the user are clear then it is quite easier for the developer to fulfill his all needs. As he can look into all the required resources, and with proper planning and cost estimation, he can achieve his software. Thus, a proper planning and requirement gathering leads to an efficient software system.

TEAM 2: DESIGNING AND BACKEND

Designing is the most important and the most efficient function while software development. Without a proper design, it is very difficult to develop an appropriate software that fulfills nearly all user demands. Therefore, managing designing part in an organization is a critical activity. A designer needs to ensure that the design created by him can be easily understood by the all the members of developing a team. A proper design will allow the coder to implement the system development planning properly. Similarly, the backend part that includes the database management plays a key role in any of the systems. Thus, the team working on this field must know proper handling and management of database and its tools.

OVERALL DESCRIPTION

- **Time Saving:** The College Management System is developed with a primary aim to save time. The management and maintenance of the student data by the faculty has always been a matter of problem for the teaching staff as they have other manual work to do such as creation of course content , examination papers etc, therefore they need a software that would decrease their work of creating manual logs.
- **No Complication:** Major complication part for College Management System is adding a student details or managing their examination scores section. In our College Management System no complicated part is involved in managing sections; we have taken immense care in this section and nullified all complications which make this system accurate and unique.
- **Cost Effective:** It's cheaper. You don't have to purchase multiple copies of software to install on multiple computers. Multiple copies often require you to pay multiple licensing fees, but since you aren't actually purchasing any software with an online system, that's not a concern.
- **Security:** Online systems are just as secure. Security is the main issue as it should be perfectly secured as it would contain confidential information of the students as well as the score records of the students which are highly prone to be hacked and duplicated and forgery. The requirement is that your data is stored on secure, protected servers that feature firewalls and other online security program

PRODUCT PERSPECTIVE

Technologies Used:

- **JavaScript:** It is a programming language, commonly use with web browsers
- **PHP:** Hypertext Preprocessor (PHP) is a technology that allows software developers to create dynamically generated web pages, in HTML, XML, or other document types, as per client request. PHP is open source software.
- **MySQL:** MySQL is a database, widely used for accessing querying, updating, and managing data in databases.
- **HTML :**For user interfaces
- **CSS :** For making interfaces more attractive and stylish
- **Bootstrap 4:** For make website responsive.

Product Functions:

The product developed will provide an easy access to the FACULTY to manage and alter the STUDENT records and information according to the need.

General Constraints:

- The cost constraint includes ordering additional hardware to run the new system.
- Security is the main cost constraint as it should be perfectly secured as it would contain confidential information of the students as well as the score records of the students which are highly prone to be hacked and duplicated and forgery.

Assumptions:

- The system will support all browsers.
- The processor must be at least Dual cored and can be any other latest ones etc.

PROBLEM STATEMENT

- The student and faculty satisfaction would be definitely higher when compared to the old manual system

PROBLEM DEFINITION

- The existing system which we using in our college is traditional process is a complete manual process.
- Now-a-days, education is playing very significant role in the society. Day-by-day, the percentage of illiterates are decreasing and the percentage of literates is increasing.
- Education will change the society in all the aspects and everyone wants to study higher professional degrees.
- Admissions are increasing day by day so there by ratio of establishment new colleges and schools are also increasing.
- But the actual challenge is starting from now. Most of the schools and colleges are maintain student information in records.
- When the number of records increased, it is difficult to maintain the information of each student in the old manual system.
- Maintaining the records manually leads to error prone and required more man power and it consumes more time for processing the records.

PRODUCT REQUIREMENTS

ENTRY POINT:

The system is required to have two entry points:

- College Management Direct : A College Management Direct entry point is where the faculty can manage the data of the students and scores that they are required to be given .
- Customer Linking: A Student Linking entry point is where an eligible student can view the details of the subject and courses and the rest of their required details .

SELECTION OF PRODUCT

Based upon the requirements of the College and the faculty the records are made and maintained. As well as the Students can view the required data efficiently and at any time.

SYSTEM REQUIREMENT

Performance and Scalability: The system is required to scale to support data volume.

Web Pages should be light and render fast.

USABILITY

The web forms should be self-explanatory and usable. We do not want the faculties and the students dropping of the website because they cannot understand the forms and find them cumbersome.

PROJECT UNDERSTANDING DOCUMENTS

OBJECTIVE :

The main objective of the Project on College Management System is to manage the details of College, Course, Batch, Faculty, Students. It manages all the information about College, Exam, Students, and College. The project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for managing the College, Course, Exam, and Batch. It tracks all the details about the Batch, Faculty, and Students.

The modules of the “College Management System” are as follows :

- **Student Module:** Here the administrator can register the students to get them enrolled in the college.
- **Faculties Module:** Here the admin can add the faculties and then can view according to the subject the faculties that teach the subject.
- **Subjects Module:** Used for managing the information and details of the subjects.
- **Score Module:** It is used to view the scores of the students present in the college.
- **Article Module:** Here the college posts the articles related to the their college.

REQUIREMENTS SPECIFICATION

• EXTERNAL INTERFACE REQUIREMENTS

The external system is to assume full responsibility for storage functions as well as warehouse management and warehouse control for an entire warehouse. The interfaces in this section are specified by documenting: the name and description of each scheme, source or input, destination or output, ranges, accuracy and tolerances, units of measure, timing, display formats, and organization, and data formats. The user interface required to be developed for the system should be user-friendly and attractive. The interface between the user and the system will be WIMP (Windows, Icons, Menu, Pointers) keeping in mind that the system is to be run through a web browser. All operations will be off point and click nature with all navigations performed through windows of the system specifically buttons and menus:

Buttons: The button is activated when the user will click on the left click of the mouse within the bounds of the button. And thus the action associated with it will be carried out.

• HARDWARE REQUIREMENT

Here's what you Need to Use the college management system for online records:

- 20 GB HDD
- 256 MB RAM
- Pentium IV Processor
- Input Devices: Keyboard, Mouse
- Output Devices: Monitor, Printer

• SOFTWARE REQUIREMENT

- Operating System: Window XP and above
- Browsers : Chrome or any other latest web page supporting browser

Functional Requirements

Users of the College Management System, namely the students and the faculty, must be provided the following functionality:

- Register new students
- Record the internal marks of the students.
- Record the feed details of the students.
- Register new teacher/faculty .
- Register a new user for the system.
- Record the subject details and the course information.
- Record the details of the examination scores.
- Record all the details of the articles to be published on the webpage.

Student Entry Record Form

The Student Record System will be available only to students and will, as the name suggests, allow them to add their details and if needed update them as well.

- It will allow the student to enter its first as well as last name.
- They have to select their gender either Male or Female.
- They need to mention their date of birth as well as the birth place.
- Add their native address as well as the contact details.
- Last their email address and write a note about themselves.

Faculties Entry Form

Here the respective new faculties will enter their details.

- They will have to enter their name first.
- They have to select their gender either Male or Female.
- Then they have to enter their date of birth and place of birth as well.
- Add their native address as well as the contact details.
- Then they have to mention their qualification and the salary offered.
- And the last mention their marital status.

Subject Entry Form

Here the need is to enter the details of the subjects offered in the college as well as the faculties teaching them.

- The first thing to be mentioned is the name of the faculty.
- The semester for which the subject is to be offered.
- The last thing is the name of the subject/course.

Scores Entry Form

Here finally the scores of the students are entered according to the type of examination conducted.

- First enter the name of the student.
- Then the name of the faculty who examined the student.
- The name of the subject whose score to be recorded.
- Then finally the type of examination either Mid Term or Final and then enter the score.

User Interface Specifications

In this project, the system is proposed by understanding the issues in the existing system. In this management system the problems are solved that were in the previous system by shifting on a computerized system of the modern age. The database is used to store the data at the backend of the system.

The graphical interface GUI is developed using HTML,CSS and Bootstrap.In a certain way get the data from the user and store it into the database. Reports of stored data are generated through Crystal reports. The system that is proposed provides consistent and redundancy free data in storage and should be more efficient.

This system provides the security of data by authentication of users and in this project right of users are defined. In this system, admin is the main user of the system who has full rights of all modules within the proposed system and the other user which is an employee of college also can be a teacher within the college has limited access to the system like students attendance and marks of the students are managed by the employee. In this product, different reports can be generated, subject details, employee details and their salary, student details, examination score details etc.

Non-functional Requirements

Performance Criteria:

1. **Extensibility** : It should be able to accommodate the variations like:
 - The different order should be handled easily.
 - It should be an option for cash on delivery, pay through card between customer and canteen.
2. **Portability** : Our project should be portable on any platform and available on websites easily and at a faster speed than others.
3. **Reusability** : All the web pages that are being used for student information should be easily get processed so that many many faculties can interact very easily and very fast without any information destroy.
4. **User Friendly Interaction** : The user interaction should be fast and easily understandable and interpretable the customers.
5. **Flexibility** : The project must be so flexible that any kind of updations and changes does not disturb the previous data and functionalities.

DESIGN TECHNIQUES

The design of the project has been done using the following technologies:-HTML , CSS , PHP , MySQL , JavaScript and Bootstrap 4.

1. HTML: HYPER TEXT MARKUP LANGUAGE

In computing, Hypertext Markup Language (HTML) is a markup language designed for the creation of web pages with hypertext and other information to be displayed in a web browser. HTML is used to structure information denoting certain text as headings, paragraphs, lists and so on and can be used to describe, to some degree, the appearance and semantics of a document. HTML's grammar structure is the HTML DTD that was created using SGML ^{syntax}. The HTML document format is used on the Web. Web pages are built with HTML tags (codes) embedded in the text. HTML defines the page layout, fonts, and graphic element as well as the hypertext links to other documents on the web. Each link contains the URL, or address, of a Web page residing on the same server or any server worldwide, hence "World Wide Web".

HTML 2.0 was defined by the Internet Engineering Task Force (IETF) with a basic set of features, including interactive forms capability. Subsequent versions added more features such as blinking text, custom backgrounds and tables of contents. However, each new version requires agreement on the tags used, and browsers must be modified to implement those tags.

HTML is a markup language (the ML in HTML) that uses a fixed set of markup tags. A markup language can also be thought of as a "Presentation Language", but it is not a programming language. You cannot "if this-do that" like you can in Java, JavaScript or C++.

However, in order to make pages interactive, programming code can be embedded in an HTML page. For example, JavaScript is widely interspersed in Web pages (HTML pages) for that purpose. HTML was conceived as a simple markup language to render research documents. No one envisioned Web pages turning into multimedia extravaganzas. HTML pages have been reworked, jury-rigged and extended into full-blown applications.

As a result, the source code behind today's Web pages is often a hideous concoction of tags and scripting.

2. CSS: CASCADING STYLE SHEETS

Cascading Style Sheets (CSS) is a stylesheet language used for describing the look and formatting of a document written in a markup language. While most often used to change the style of web pages and user interfaces written in HTML and XHTML, the language can be applied to any kind of XML document, including plain XML, SVG, and XUL. Along with HTML and JavaScript, CSS is a cornerstone technology used by most websites to create visually engaging Webpages, user interfaces for web applications, and user interfaces for many mobile applications.

3. PHP

PHP is a server-side scripting language designed for web development but also used as a general-purpose programming language. As of January 2013, PHP was installed on more than 240 million websites (39% of those sampled) and 2.1 million web servers.² Originally created by Rasmus Lerdorf in 1994, the reference implementation of PHP (powered by the Zend Engine) is now produced by The PHP Group. While PHP originally stood for Personal Home Page, it now stands for PHP: Hypertext Preprocessor, which is a recursive backronym.

PHP code can be simply mixed with HTML code, or it can be used in combination with various templating engines and web frameworks.

PHP code is usually processed by a PHP interpreter, which is usually implemented as a web server's native modular a Common Gateway Interface (CGI) executable. After the PHP code is interpreted and executed, the web server sends resulting output to its client, usually in form of a part of the generated web page – for example PHP code can generate a web page's HTML code, an image, or some other data. PHP has also evolved to include a command-line interface (CLI) capability and can be used in standalone graphical applications.

4. MySQL

Modern day websites seem to be relying more and more on complex database systems. These systems store all of their critical data and allow for easy maintenance in some cases. The Structured Query Language (SQL) is a very popular database language, and its standardization makes it quite easy to store, update and access data. One of the most powerful SQL servers out there is called MySQL and surprisingly enough, it's free. Some of the features of MySQL

5. JavaScript

JavaScript often abbreviated as **JS**, is a programming language that conforms to the ECMA Script specification. JavaScript is high-level, often just-in-time compiled, and multi-paradigm. It has curly-bracket syntax, dynamic typing, prototype-based object-orientation, and first-class functions.

Alongside HTML and CSS, JavaScript is one of the core technologies of the World Wide Web. JavaScript enables interactive web pages and is an essential part of web applications. The vast majority of websites use it for client-side page behavior, and all major web browsers have a dedicated JavaScript engine to execute it.

As a multi-paradigm language, JavaScript supports event-driven, functional, and imperative programming styles. It has application programming interfaces (APIs) for working with text, dates, regular expressions, standard data structures, and the Document Object Model (DOM). However, the language itself does not include any input/output (I/O), such as networking, storage, or graphics facilities, as the host environment (usually a web browser) provides those APIs.

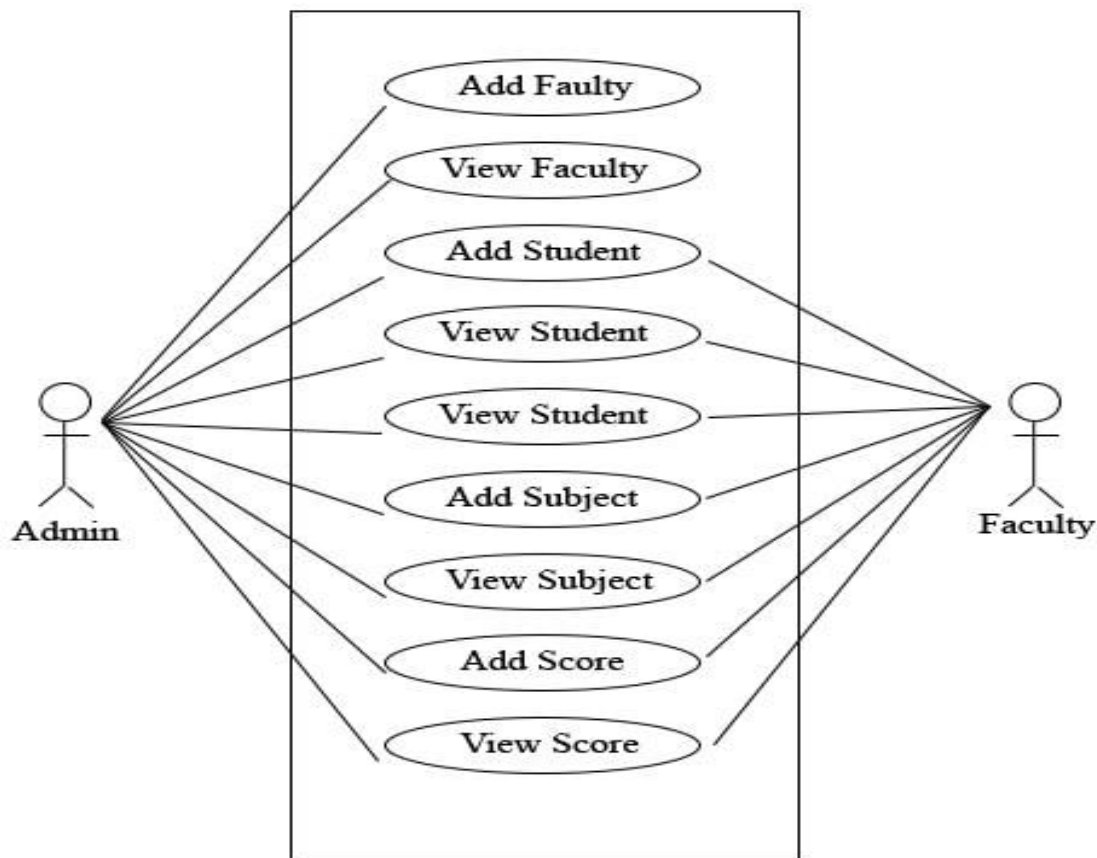
6. Bootstrap 4

Bootstrap is a free and open-source tool collection for creating responsive websites and web applications. It is the most popular HTML, CSS, and JavaScript framework for developing responsive, mobile-first web sites. It solves many problems which we had once, one of which is the cross-browser compatibility issue. Nowadays, the websites are perfect for all the browsers (IE, Firefox and Chrome) and for all sizes of screens (Desktop, Tablets, Phablets, and Phones). All thanks to Bootstrap developers -Mark Otto and Jacob Thornton of Twitter, though it was later declared to be an open-source project.

DESIGN

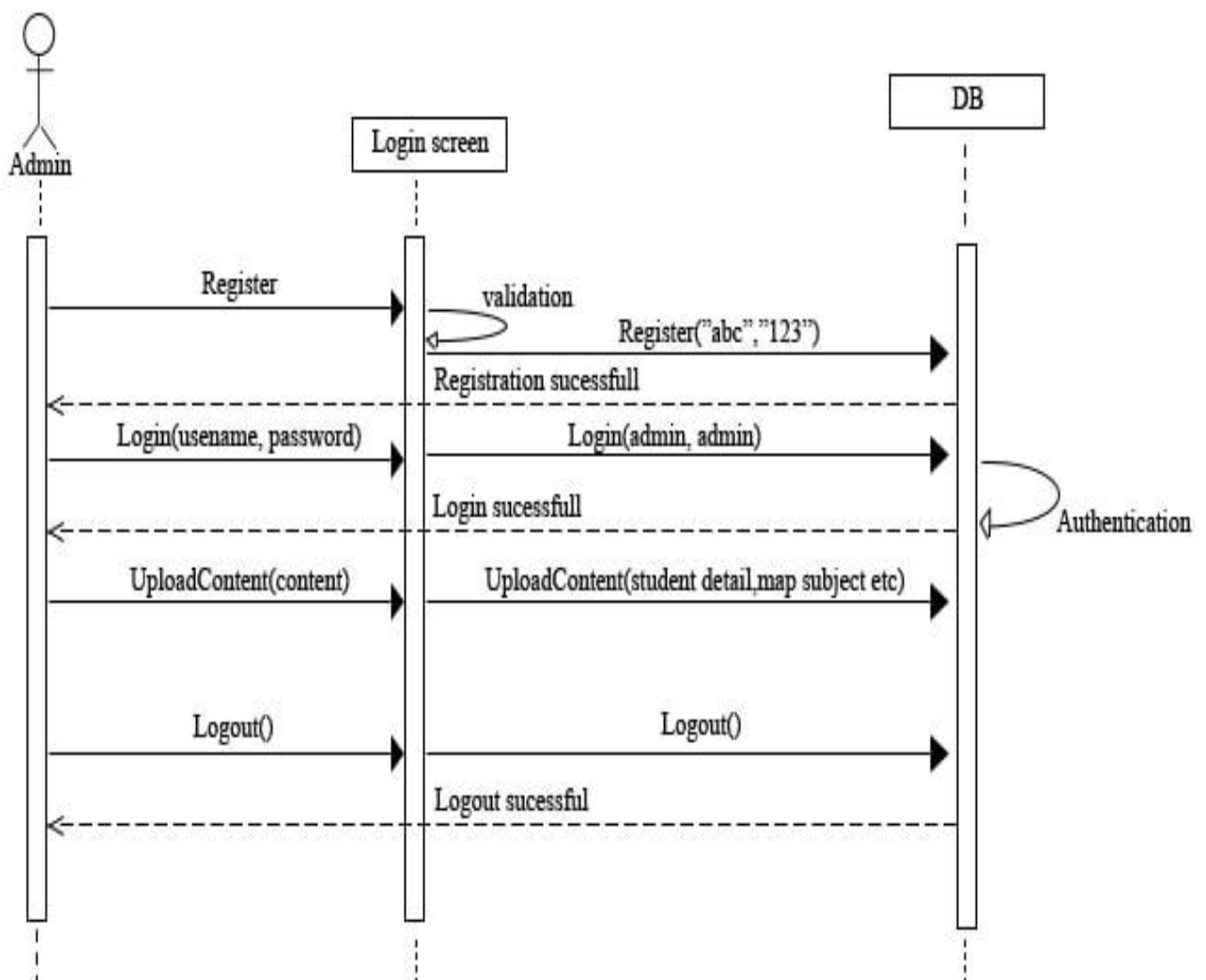
Use Case Diagram

A use case is a description of how end-users will use a software code. It describes a task or a series of tasks that users will accomplish using the software and includes the responses of the software to user actions.



Sequence Diagram

A sequence diagram in Unified Modeling Language (UML) is a kind of interaction diagram that shows how processes operate with one another and in what order. It is a construct of a Message Sequence Chart. Sequence diagrams are sometimes called event diagrams, event scenarios, and timing diagrams.



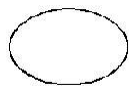
ER DIAGRAM

An entity-relationship (ER) diagram is a specialized graphic that illustrates the interrelationships between entities in a database. ER diagrams often use symbols to represent three different types of information. Boxes are commonly used to represent entities. Diamonds are normally used to represent relationships and ovals are used to represent attributes.

Symbols used in Entity-Relationship Diagram are as follows:



Represent Data Entity.



Represent connection Administrator



Connect two Entities or One to One
relation.



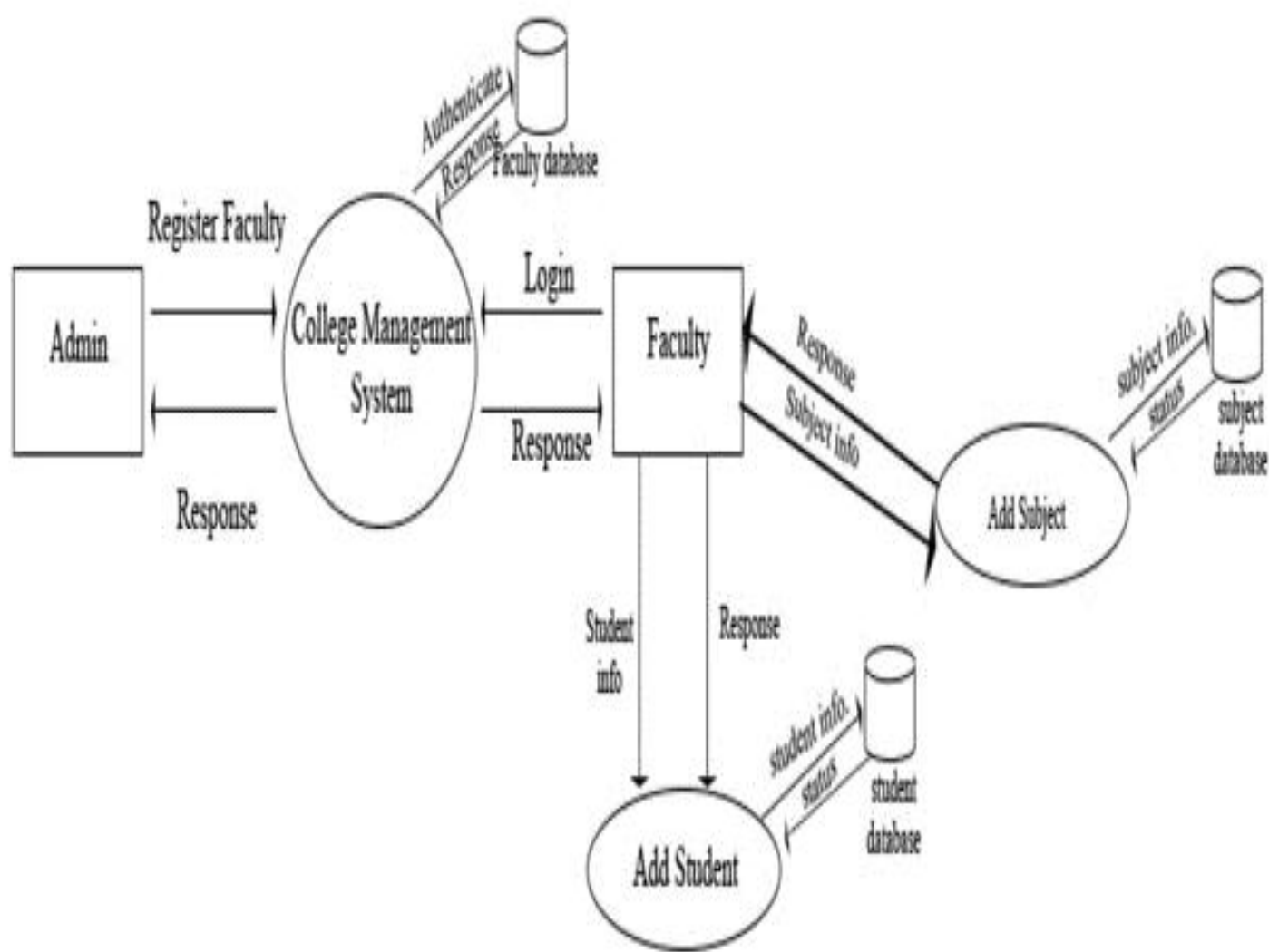
Represent the relationship.

DATA FLOW DIAGRAMS

Level-0 DFD

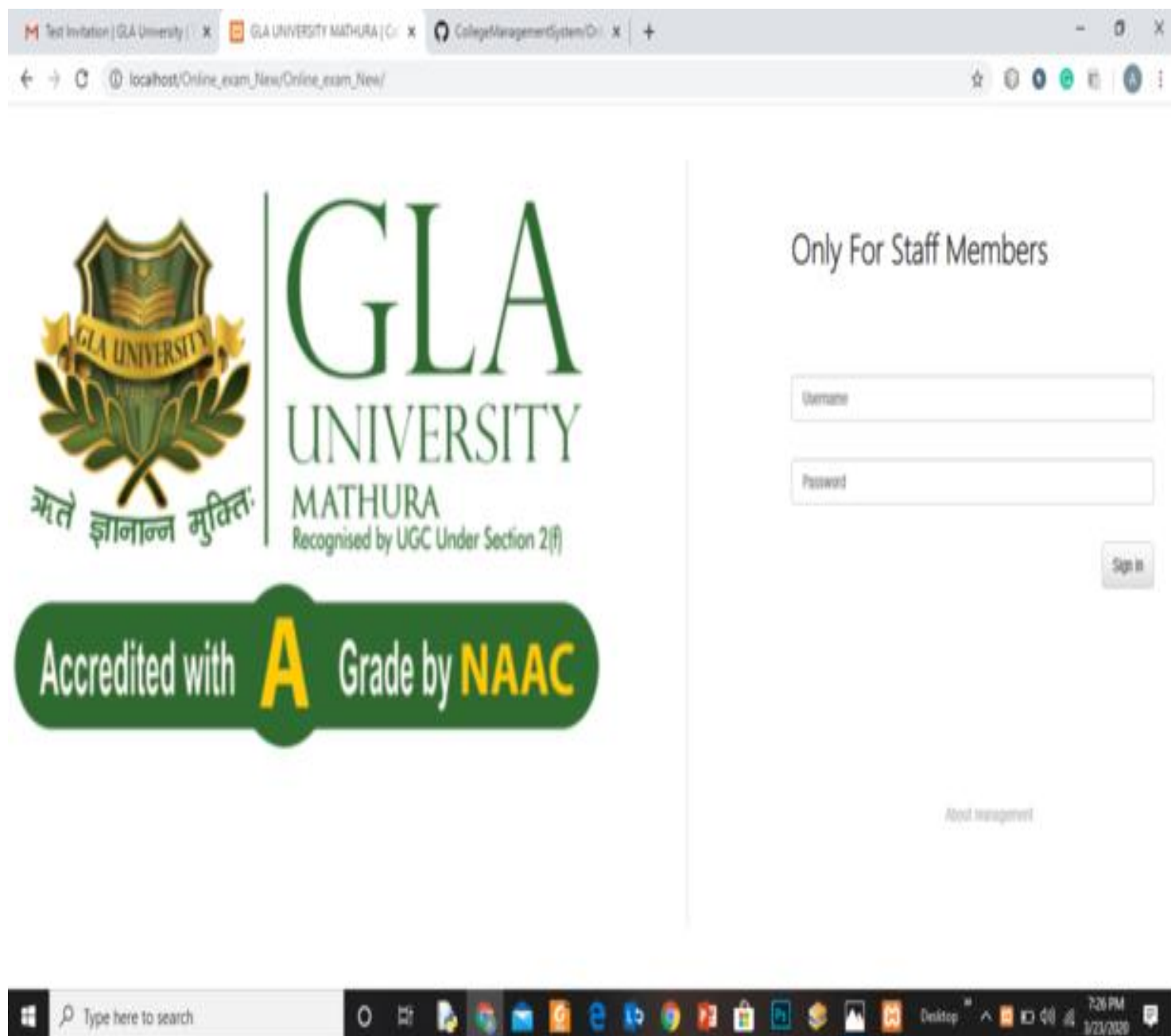


LEVEL 1 DFD



SCREENSHOTS

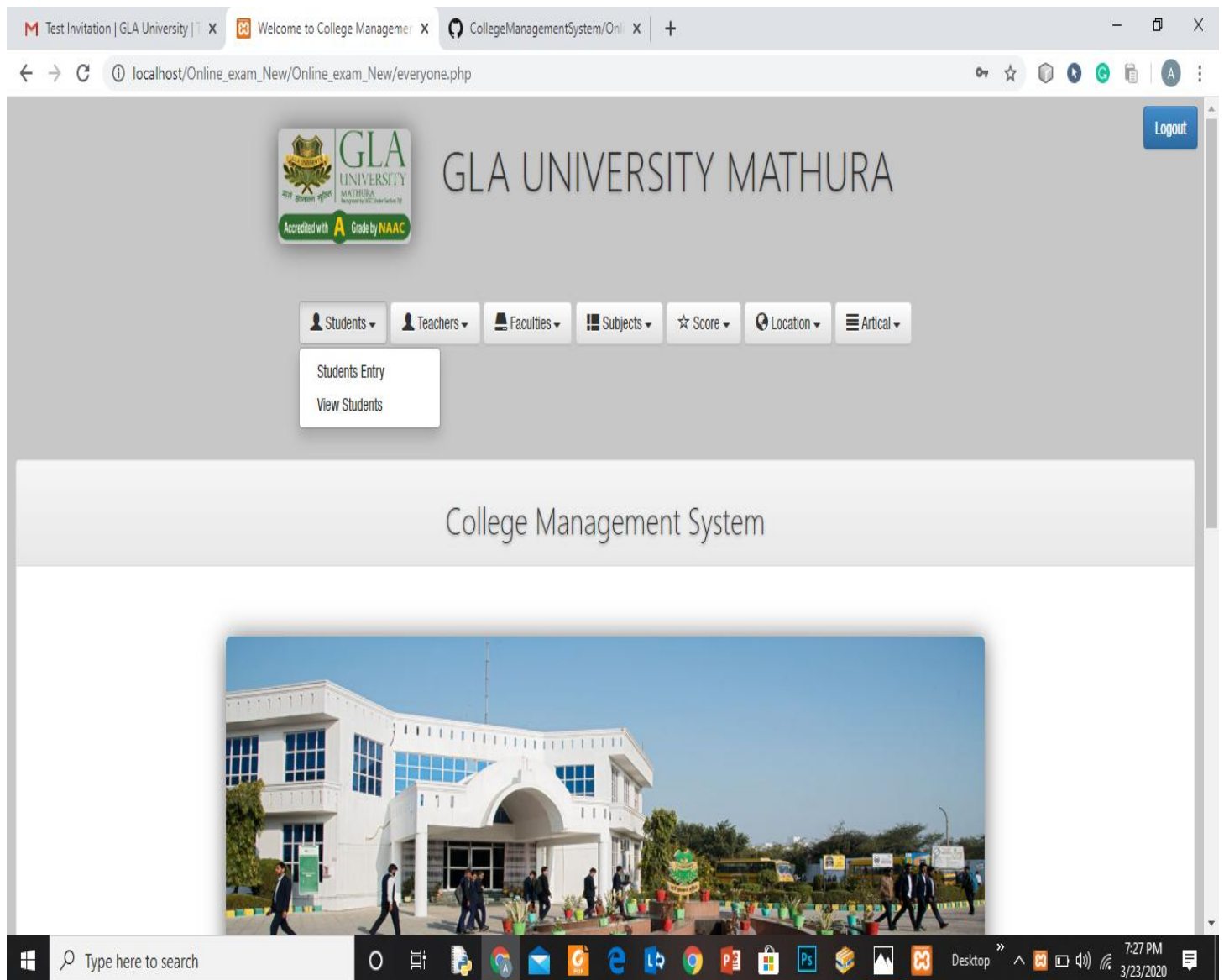
Login Page



DASHBOARD



College Management System



STUDENT ENTRY FORM

Test Invitation | GLA University | Welcome to College Management System | CollegeManagementSystem/Online_exam_New/Online_exam_New/everyone.php?tag=student_entry

Student Entry Form

Here, you'll add new student's detail to record into database.

First name Last name

☐ Male ☐ Female

Birthday: Year Month date

Place of birth

Address

Mobile no.

Email address

Note

Register Cancel

STUDENT RECORD TABLE

Test Invitation | GLA University | Welcome to College Management System | CollegeManagementSystem/Online_exam_New/Online_exam_New/everyone.php?tag=view_students

GLA UNIVERSITY MATHURA

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Logout

Students Teachers Faculties Subjects Score Location Artical

Search name.. Search Register new

No.	Student Name	Gender	Date of Birth	Place of Birth	Address	Phone	E-mail	Notes	Open
1	Mom Vannak	Male	1991-03-01	Takeo Province	Phnom Penh	088 9 666 120	vannakmum@gmail.com	Student	↺
2	Chon Phearak	Male	1990-05-04	Takeo Province	Phnom Penh	015 66 77 33	phearakchon@yahoo.com	Student	↺
3	Soa Muny	Male	1988-05-05	Takeo Province	Phnom Penh	097 69 90 123	munysoa@gmail.com	Student	↺
4	Sok Cheatha	Female	1989-06-06	Kompot	Phnom Penh	099 77 66 55	cheatasok@gmail.com	Student	↺
5	Anugrah Agarwal	Male	1999-08-12	Kanpur	108/185-A, P.Road	7895905598	anugrah.agarwal_cs17@gla.ac.in	nothin	↺

Type here to search

Desktop 7:27 PM 3/23/2020

TEACHERS ENTRY FORM

Teachers Entry Form

Here, you'll add new teachers detail to record into database.

First name Last name

☐ Male ☐ Female

Birthday: Year Month date

Place of birth

Address

Teacher's qualification: Degree

Salary

Married ☐ Yes ☐ No

Mobile no.

TEACHER RECORD FORM

Test Invitation | GLA University | Welcome to College Management System | CollegeManagementSystem/Online_exam_New/Online_exam_New/everyone.php?tag=view_teachers

GLA UNIVERSITY MATHURA
Accredited with A Grade by NAAC

Logout

Students Teachers Faculties Subjects Score Location Artical

Search name.. Search Register new

No.	Teacher Name	Gender	Date of Birth	Place of Birth	Address	Degree	Salary	Married	Phone	E-mail	Notes	Open
1	Hang Sovann	Male	1985-03-05	Kandal Province	Phnom Penh	Master	1500	No	015 871 787	sovannhang@gmail.com	Teacher and Staff	↺
2	Pheng Tola	Male	1986-03-08	Kompong Cham Province	Phnom Penh	Bachelor	1500	Yes	016 572 393	tolapheng@gmail.com	Teacher and Staff	↺
3	Sann Vannthoeun	Male	1990-07-03	Kandal Province	kankal	Bachelor	1000	Yes	087 666 55	vannthoeunsann@gmail.com	English	↺
4	Tang Hay	Male	0000-00-00	Kroches	Phnom Penh	Bachelor	1000	Yes	099 77 66 33	haytang@gmail.com	network	↺
5	Chi Kim Y	Male	0000-00-00	Phnom Penh	Phnom Penh	Bachelor	1500	Yes	097 66 55 423	kimychi@gmail.com	VB	↺
6	Sann Sotherath	Male	1985-02-01	Kandal Province	Phnom Penh	Bachelor	1300	Yes	012 33 44 55	sotherathsann@gmail.com	Database	↺

Windows Taskbar: Type here to search, Desktop, 7:27 PM, 3/23/2020

FACULTIES ENTRY FORM

The screenshot shows a web browser window with the following elements:

- Browser Tabs:** Three tabs are open: "Test Invitation | GLA University", "Welcome to College Managemer", and "CollegeManagementSystem/Onli".
- Address Bar:** The URL is "localhost/Online_exam_New/Online_exam_New/everyone.php?tag=faculties_entry".
- Accreditation:** A green badge in the top left corner reads "Accredited with A Grade by NAAC".
- Navigation Menu:** A horizontal bar contains several buttons: "Students", "Teachers", "Faculties", "Subjects", "Score", "Location", and "Artical".
- Form Title:** The main heading is "Faculties Entry Form", accompanied by a small icon of a building.
- Instructions:** Below the title, it says "Here, you'll add new facultie's detail to record into database."
- Input Fields:** There are two input fields: "Faculties name" (a single-line text box) and "Add notes.." (a multi-line text area).
- Buttons:** At the bottom of the form are two buttons: "Register" and "Cancel".
- Taskbar:** The Windows taskbar at the bottom shows the search bar, several application icons (including Chrome, Edge, and various office tools), and the system clock indicating 7:27 PM on 3/23/2020.

College Management System

Test Invitation | GLA University | Welcome to College Management System | CollegeManagementSystem/Online_exam_New/Online_exam_New/everyone.php?tag=view_faculties

GLA UNIVERSITY MATHURA

Accredited with A Grade by NAAC

Students Teachers Faculties Subjects Score Location Artical

Search name.. Search Register new

No	Faculties Name	Notes	Operation
1	Science and Technology	Part of science	
2	Law	part of Law	

Type here to search

7:27 PM 3/23/2020

SUBJECT ENTRY FORM

The screenshot shows a web browser window with the following details:

- Browser Tabs:** Test Invitation | GLA University |, Welcome to College Managemer..., CollegeManagementSystem/Onli...
- Address Bar:** localhost/Online_exam_New/Online_exam_New/everyone.php?tag=subject_entry
- Page Title:** Subject Entry Form
- Instructions:** Here, you'll add new subject's detail to record into database.
- Form Fields:**
 - Facultie's name (text input)
 - Teacher's name (text input)
 - Semester (text input)
 - Subject's name (text input)
 - Add note.. (text area)
- Buttons:** Add Now, Cancel

The Windows taskbar at the bottom shows the search bar, task view button, and various application icons including File Explorer, Edge, Chrome, and Photoshop. The system clock indicates 7:27 PM on 3/23/2020.

SUBJECT LIST RECORD

Test Invitation | GLA University | Welcome to College Management System | CollegeManagementSystem/Online_exam_New/Online_exam_New/everyone.php?tag=view_subjects

GLA UNIVERSITY MATHURA

Accredited with A Grade by NAAC

Logout

Students Teachers Faculties Subjects Score Location Artical

Search name.. Search Register new

No	Faculty Name	Teachers Name	Semester	Subject Name	Notes	Operation
1	2	1	1	Web Programming	HTML and CSS	↻
2	2	2	1	OOP and C++	Part of C Language	↻
3	2	3	2	English for Computing	part 2	↻
4	2	4	2	Network	part2	↻
5	2	5	2	VB.Net	part 2	↻
6	2	6	2	Database	part 2	↻

Type here to search

Desktop 7:27 PM 3/23/2020

SCORES ENTRY FORM

The screenshot displays a web browser window with the following details:

- Browser Tabs:** Test Invitation | GLA University |, Welcome to College Managemer, CollegeManagementSystem/Onl
- Address Bar:** localhost/Online_exam_New/Online_exam_New/everyone.php?tag=score_entry
- Page Title:** ☆ Score's Entry Form
- Form Content:**
 - Text: Here, you'll entry your score's records into database.
 - Input fields: Student's name, Faculty's name, Subject's name, Midterm, Final.
 - Text area: Add note..
 - Buttons: Add Now, Cancel.
- Taskbar:** Windows Start button, search bar (Type here to search), and various application icons (Chrome, Edge, Word, etc.).
- System Tray:** Desktop, network status, volume, and date/time (7:28 PM, 3/23/2020).

SCORE RECORD

Test Invitation | GLA University | Welcome to College Management System | CollegeManagementSystem/Online_exam_New/Online_exam_New/everyone.php?tag=view_scores

Accredited with A Grade by NAAC

Students Teachers Faculties Subjects Score Location Artical

Search name.. Search Register new

No	Students ID	Faculties ID	Subject ID	Mid term	Final	Notes	Operation
1	1	2	1	39	39	good	↺
2	1	2	2	40	40	top score	↺
3	1	2	3	30	34	good	↺
4	1	2	4	40	39	top	↺
5	1	2	5	57	40	good	↺
6	1	2	6	54	39	good	↺
7	2	2	1	48	40	good	↺
8	2	2	2	60	40	good	↺

Windows Taskbar: Type here to search, Desktop, 7:28 PM 3/23/2020

VIEW LOCATION PAGE

The screenshot shows a web browser window with the following elements:

- Browser Tabs:** "Test Invitation | GLA University |", "Welcome to College Manager |", and "CollegeManagementSystem/Online_exam_New/".
- Address Bar:** "localhost/Online_exam_New/Online_exam_New/everyone.php?tag=view_location".
- Page Header:** GLA UNIVERSITY MATHURA logo and name. A "Logout" button is in the top right.
- Navigation Menu:** A row of buttons: "Students", "Teachers", "Faculties", "Subjects", "Score", "Location", and "Artical".
- Search Section:** A text input field labeled "Search name..", a "Search" button, and a "Register new" button.
- Table:** A table with 5 columns: "No", "Location Name", "Description", "Note", and "Operation". It contains one data row.
- Footer:** Windows taskbar with search bar, icons for various applications, and system clock showing 7:28 PM on 3/23/2020.

No	Location Name	Description	Note	Operation
1	left menu	link to other page	menu	

The screenshot shows a web browser window with the following details:

- Browser Tabs:** Test Invitation | GLA University |, Welcome to College Management System, CollegeManagementSystem/Online_exam_New/Online_exam_New/everyone.php?tag=location_entry
- Address Bar:** localhost/Online_exam_New/Online_exam_New/everyone.php?tag=location_entry
- Page Title:** Location's Entry Form
- Form Content:**
 - Text: Here, you'll add your location's records into database.
 - Input field: Location name
 - Text area: Add description..
 - Text area: Add note..
 - Buttons: Add Now, Cancel
- Taskbar:** Windows Start button, search bar (Type here to search), and various application icons (Chrome, Edge, File Explorer, etc.). The system clock shows 7:28 PM on 3/23/2020.

LOCATION ENTRY FORM

ARTICLE ENTRY FORM

Test Invitation | GLA University | Welcome to College Management System | CollegeManagementSystem/Online_exam_New/Online_exam_New/everyone.php?tag=artical_entry

Artical's Entry Form

Here, you'll add your artical's records into database.

Choose location

Title

Add content..

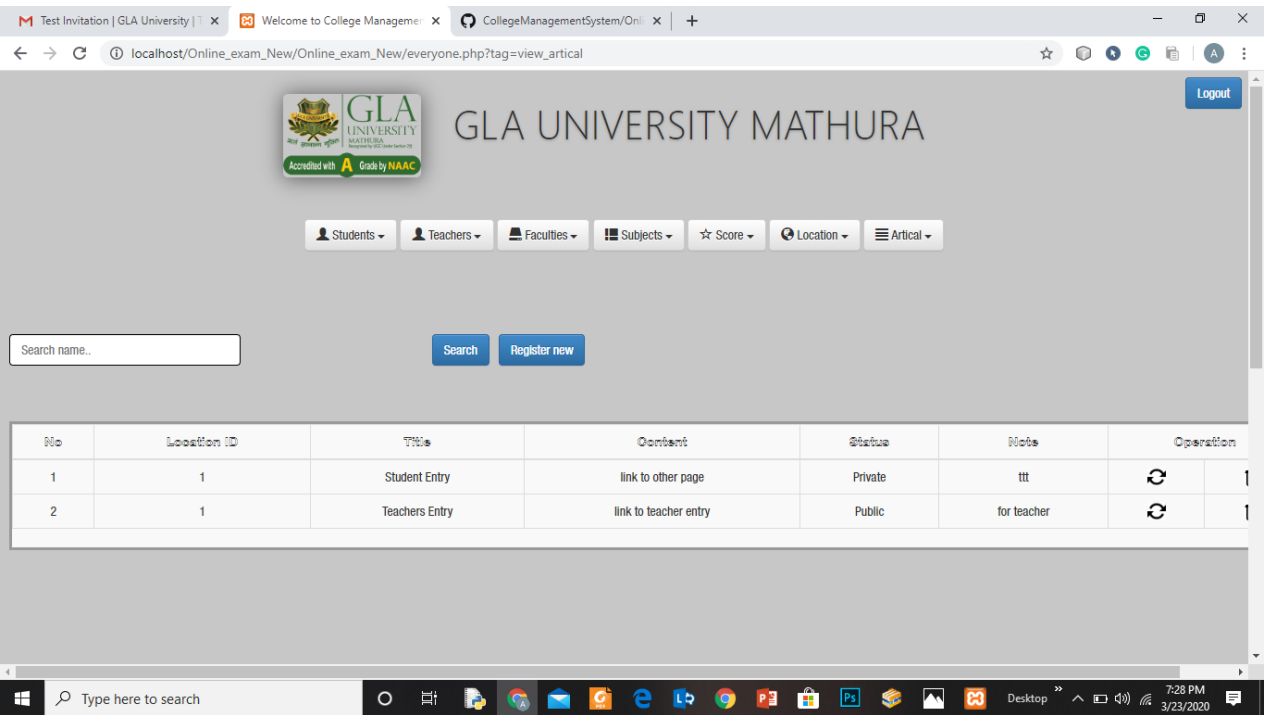
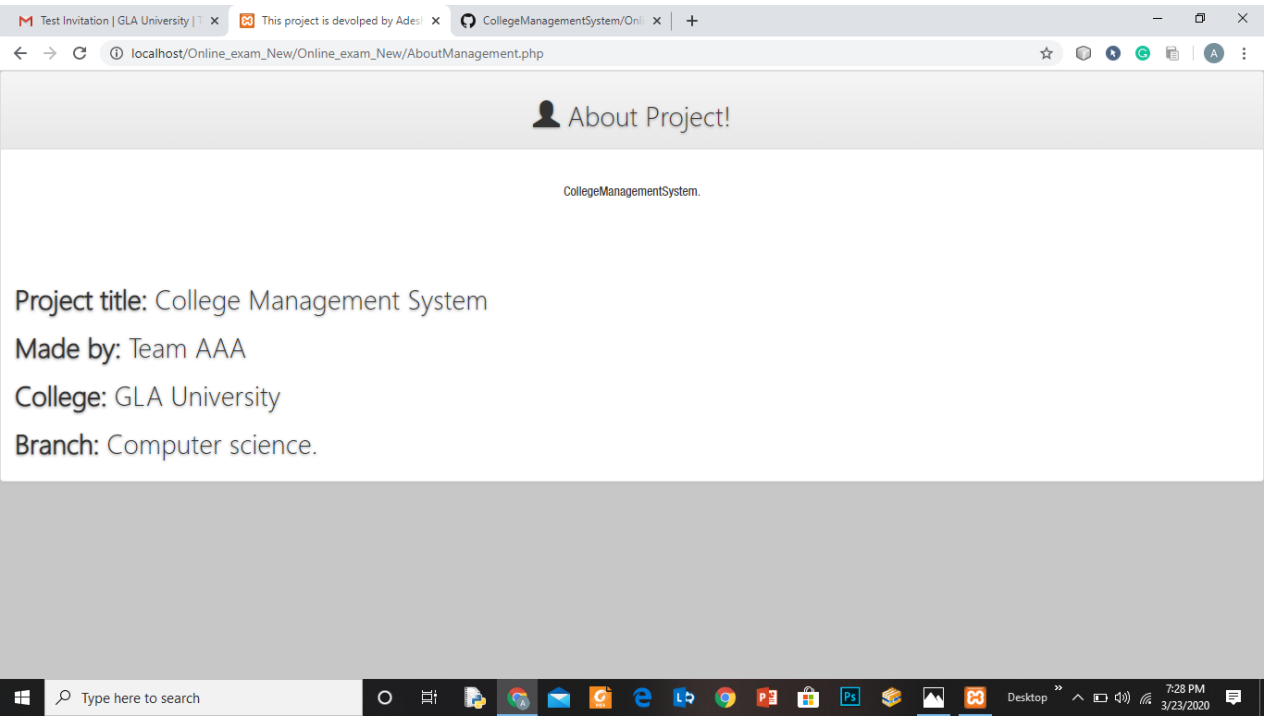
☒ Public ☐ Private

Add Now Cancel

Type here to search

7:28 PM 3/23/2020

College Management System



DETAILS OF TEAMMATES

Teamwork in a project is an important factor for project success. As a result, developing an effective project team is one of the primary responsibilities of a project manager.

Why is teamwork important for your project?

Teamwork is important because it creates human synergy. It amplifies the results of each member of your team such that the overall result is greater than the individual contributions made by each member.

The list of the teammates for our project the College Management System are:

- Aryan Sethi
- Anugrah Agarwal
- Adesh Chauhan

ROLES ASSIGNED AND CONTRIBUTIONS MADE

1. **ADESH CHAUHAN** – Adesh chauhan had played a vital role in the project designing as he gave a presentable layout for the admin portal and designed the webpage for the same using various web development languages such as HTML , CSS , JAVASCRIPT , BOOTSTRAP etc.He was also responsible for making the presentation for the project.
2. **ARYAN SETHI** – Aryan Sethi had played another important role by deciding the framework and the layout of the user interface which was basically the web pages.He decided the modules the should be present and that would be accessible to the student and the teachers ie the customer at the canteen.He was also responsible for all the documentation work of the project. He had been given the task of making various reports for their project and defining all the modules of the project.
3. **ANUGRAH AGARWAL** – Anugrah Agarwal had been given the work of finally connecting all the modules with each through the use of databases.He created all the database tables that were required in order to store different subject details list, list of registered students, registered faculties etc using SQL and finally connecting them to the webpage using PHP.

At last it was a team task and could not have been possible without the honest efforts and active participation of each team member.

FUTURE PROSPECTS

- SMS alerts facility.
- Cloud based software.
- Smart card and another facility.
- Internet banking support by software.
- Attendance Management System.

CONCLUSION

This paper presents a method for increasing information requested by students with the use of automated College Management System. In this ,instead of direct Contacting with direct Contacting with the faculty the student can directly checks the Results from the System if the student is registered in CMS.

CMS helps educational institute to do regular activities accurately, fastly and reliably.

By using CMS student and faculty can find out overall attendance percentages, fee details and result analysis.

CMIS increases quality in work for educational institutes.

- The software facilitates the administrators to know the present status of a student of the college.
- The software gives the information such as student personal data, student fees details, results etc.
- Generating the print reports of student personal, fee as well as result details....
- Hence we conclude that the present system (CMS for Colleges) would definitely help the user by saving time and effort by reducing the processing time and volume of errors.
- The efficiency of the work done would be improved and work satisfaction on the part of the employees after computerization would definitely on high.
- The customer satisfaction would be definitely higher when compared to the old manual system

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