

NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI-15



Department of Computer Applications

Student Management system

PL/SQL

PROJECT WORK

Submitted By

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*Under the guidance of
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CERTIFICATE

*This is to certify that **Praveen Kumar Prashant**, student of 2nd semester MCA (batch 2019-2022) of National Institute of Technology, Tiruchirappalli has successfully completed the project **Student Management system in SQL** under the guidance of **Dr. U.Vignesh***

Signature
(Dr.U.Vignesh)

PURPOSE

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.

In the Software we can register as a user and user has of two types, co-admin and admin. Administrator has the power to add new user and can edit and delete a user. Admin has also power to add new college, New student and the role of that student.

Admin also power to add moderator in the system.
The co-admin has power only to view the students.

OBJECTIVE:

Objective of that system is the take all student records in one platform ,due to which the modification on students or edit in student details easily.

Admin can add a new college,new student record,and also add a new moderator list.

So, the overhead of the school authorities and the teachers is 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.

FEASIBILITY:

Whatever we think need not be feasible. It is wise to think about the feasibility of any problem we undertake. Feasibility is the study of impact, which happens in the organization by the development of a system. The impact can be either positive or negative. When the positives nominate the negatives, then the system is considered feasible. Here the feasibility

study can be performed in two ways such as technical feasibility and Economical Feasibility.

TECHNICAL FEASIBILITY:

We can strongly say that it is technically feasible, since there will not be much difficulty in getting required resources for the development and maintaining the system as well. All the resources needed for the development of the software as well as the maintenance of the same is available in the organization here we are utilizing the resources which are available already.

ECONOMIC FEASIBILITY:

Development of this application is highly economically feasible. The organization needed not spend much money for the development of the system already available. The only thing to be done is making an environment for the development with effective supervision. If we are doing so, we can attain the maximum usability of the corresponding resources. Even after the development, the organization will not be in condition to invest more in the organization. Therefore, the system is economically feasible.

MODULES:

name	description	responsibility
Moderator	Make admin or co-admin of each college group	<ul style="list-style-type: none">• Login• If admin then all permission of the admin• If coadmin then all permission of co-admin.
ADMIN	Refers to privileged actors of the System who have control over the whole system	<ul style="list-style-type: none">• Login• Add student• Add college• Add moderator• Add student• Add admin• Add co-admin
CO-ADMIN	Refers to <i>can perform the same duties as the organization's Admin, but they cannot make changes to the Admin's permissions or other Co-admins' permissions.</i>	<ul style="list-style-type: none">• Login• View student of their college

SOFTWARE CONFIGURATION:

1. OS : Windows 10
2. PHP Triad (PHP, MySQL, Apache, and PHPMyAdmin)

SOFTWARE FEATURE

a) PHP

PHP is a scripting language originally designed for producing dynamic web pages. It has evolved to include a command line interface capability and can be used in standalone graphical applications. Usage PHP is a general-purpose scripting language that is especially suited for web development. PHP generally runs on a web server, taking PHP code as its input and creating web pages as output. It can also be used for command-line scripting and client-side GUI applications.

b) My SQL

MySQL is a relational database management system based on SQL – Structured Query Language. The application is used for a wide range of purposes, including data warehousing, e-commerce, and logging applications. The most common use for MySQL however, is for the purpose of a web database. It can be used to store anything from a single record of information to an entire inventory of available products for an online store. In association with a scripting language such as PHP or Perl(both offered on our hosting accounts) it is possible to create websites which will

interact in real-time with a mySQL database to rapidly display categorised and searchable information to a website user.

DATA DICTIONARY

1.COLLEGE TABLE

FIELD	TYPE	NULL	EXTRA	PRIMARY KEY
college_id	int(11)	NO	AUTO INCREMENT	YES
collegename	varchar(200)	NO	-	NO
College branch	varchar(200)	NO	-	NO

2.ROLES TABLE

FIELD	TYPE	NULL	EXTRA	PRIMARY KEY
role_id	int(11)	NO	AUTO INCREMENT	YES
role_name	varchar(100)	NO	-	NO

3.STUDENT TABLE

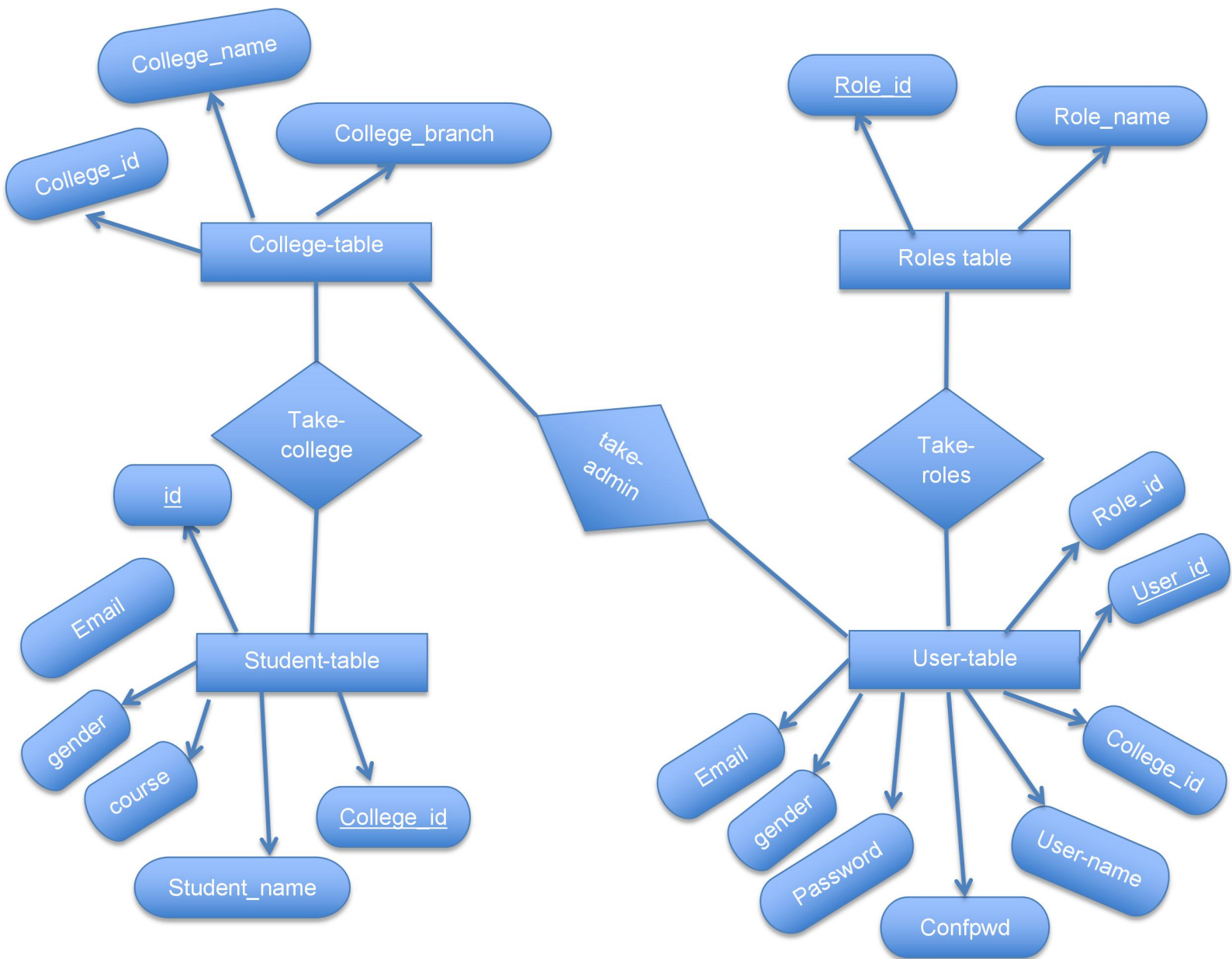
FIELD	TYPE	NULL	EXTRA	PRIMARY KEY
id	int(11)	NO	AUTO INCREMENT	YES
studentname	varchar(200)	NO	-	NO
college_id	int(11)	NO	-	NO
gender	varchar(200)	NO	-	NO
email	varchar(200)	NO	-	NO

course	varchar(200)	NO	-	NO
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4 USER TABLE

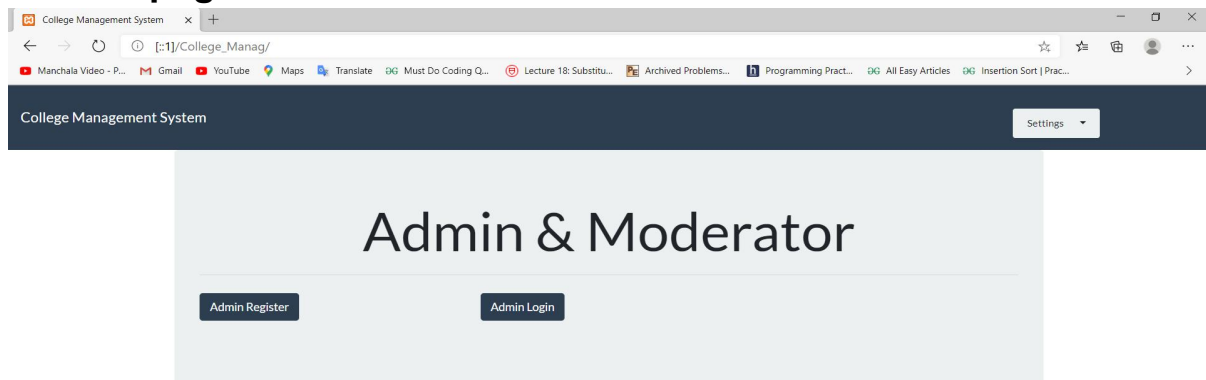
FIELD	TYPE	NULL	EXTRA	PRIMARY KEY
user_id	int(11)	NO	AUTO INCREMENT	YES
username	varchar(200)	NO	-	NO
college_id	int(11)	NO	-	NO
gender	varchar(200)	NO	-	NO
email	varchar(200)	NO	-	NO
role_id	int(11)	NO	-	NO
password	varchar(255)	NO	-	NO
confpwd	varchar(255)	NO	-	NO

E-R Diagram



SNAPSHOTS:

1.home page



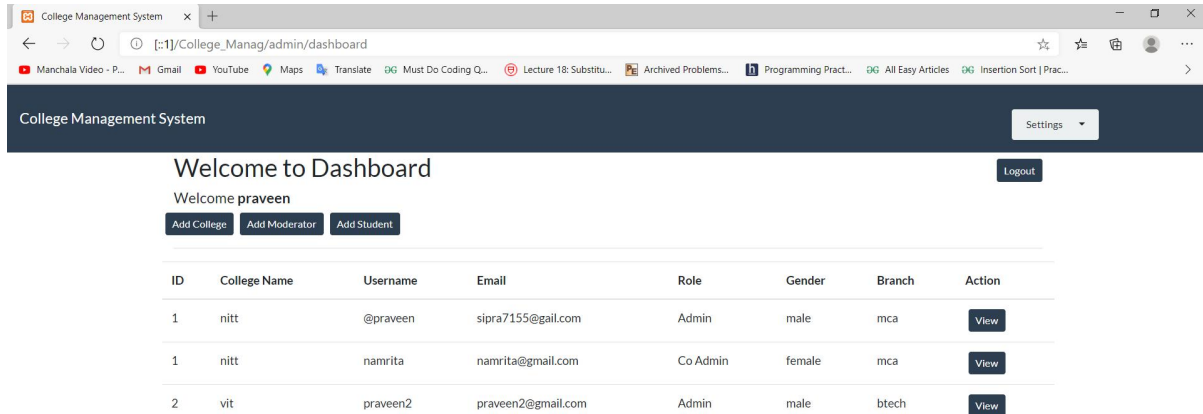
This is the homae page where admin/co-admin can login on the system or register as admin on the system.

2. ADMIN REGISTER PAGE

A screenshot of the 'Admin Register' page in the 'College Management System'. The browser's address bar shows '[:1]/College_Manag/welcome/adminRegister'. The page has a dark blue header with 'College Management System' and a 'Settings' button. The main content area is white and titled 'Admin Register'. It contains a registration form with the following fields: 'Username' (text input), 'Email' (text input), 'Gender' (dropdown menu with 'Select' as the current value), 'Role' (dropdown menu with 'Select' as the current value), 'Password' (text input), and 'Confirm Password' (text input). At the bottom of the form are two buttons: 'Register' and 'Back'.

HERE,user can register itself to as a admin of a system

3. DASHBOARD

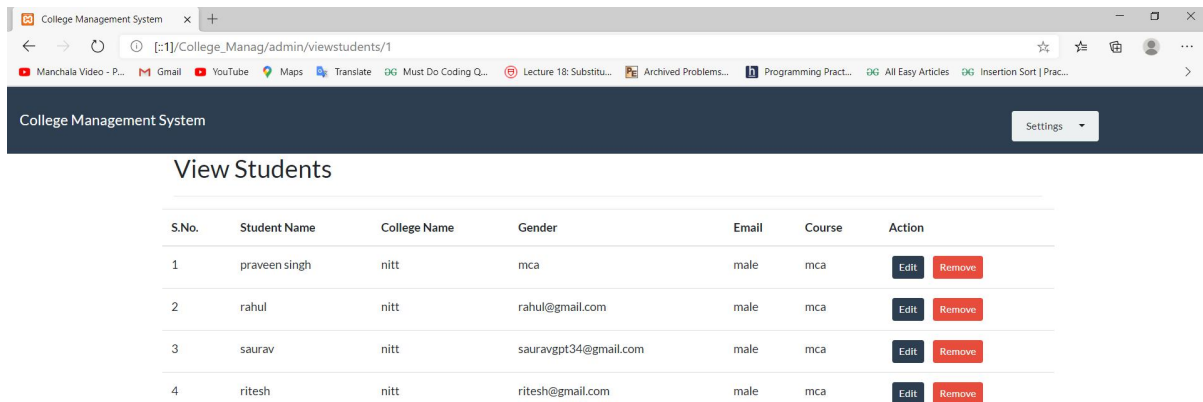


The screenshot shows the 'College Management System' dashboard. At the top, there's a header with the system name and a 'Settings' dropdown. Below the header, a welcome message 'Welcome to Dashboard' is displayed, followed by 'Welcome praveen'. There are three buttons: 'Add College', 'Add Moderator', and 'Add Student'. A 'Logout' button is also present. The main content area features a table with columns: ID, College Name, Username, Email, Role, Gender, Branch, and Action. The table lists three users: an Admin (praveen), a Co Admin (namrita), and another Admin (praveen2). Each user has a 'View' button in the Action column.

ID	College Name	Username	Email	Role	Gender	Branch	Action
1	nitt	@praveen	sipra7155@gmail.com	Admin	male	mca	View
1	nitt	namrita	namrita@gmail.com	Co Admin	female	mca	View
2	vit	praveen2	praveen2@gmail.com	Admin	male	btech	View

this is the dashboard where all the moderator shows.

4. view students

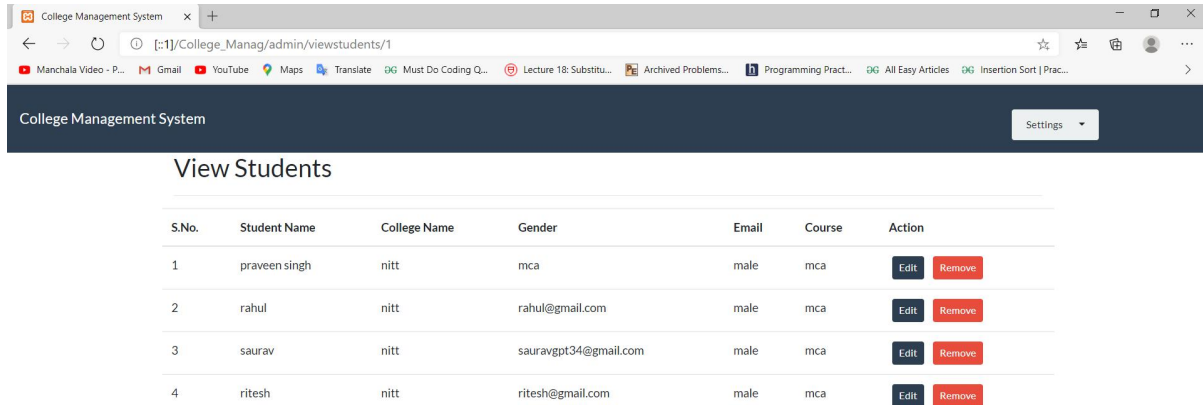


The screenshot shows the 'View Students' page in the 'College Management System'. The header is identical to the dashboard. Below the header, the title 'View Students' is displayed. A table lists students with columns: S.No., Student Name, College Name, Gender, Email, Course, and Action. The table shows four students, all from the 'nitt' college and 'mca' course. Each student has 'Edit' and 'Remove' buttons in the Action column.

S.No.	Student Name	College Name	Gender	Email	Course	Action
1	praveen singh	nitt	mca	male	mca	Edit Remove
2	rahul	nitt	rahul@gmail.com	male	mca	Edit Remove
3	saarav	nitt	saaravpt34@gmail.com	male	mca	Edit Remove
4	ritesh	nitt	ritesh@gmail.com	male	mca	Edit Remove

Student which are in same college group are shows according to their particular moderator.

5. CO-ADMIN PAGE



The screenshot shows a web browser window with the address bar displaying `[:11]/College_Manag/admin/viewstudents/1`. The page title is "College Management System" and there is a "Settings" dropdown menu. The main heading is "View Students". Below it is a table with 7 columns: S.No., Student Name, College Name, Gender, Email, Course, and Action. The table contains 4 rows of student data. Each row has "Edit" and "Remove" buttons in the Action column.

S.No.	Student Name	College Name	Gender	Email	Course	Action
1	praveen singh	nitt	mca	male	mca	Edit Remove
2	rahul	nitt	rahul@gmail.com	male	mca	Edit Remove
3	saarav	nitt	saaravcpt34@gmail.com	male	mca	Edit Remove
4	ritesh	nitt	ritesh@gmail.com	male	mca	Edit Remove

This is coadmin page ,the co-admin can not modify the another co-admin/admin students,they only see the student in self moderator