

LONG TERM INTERNSHIP

18

SCHOOL MANAGEMENT SYSTEM

A Project Submitted In Partial Fulfillment of the
Requirements for The Degree Of

BACHELOR OF COMPUTER SCIENCE

By

DANATHI HARI PRIYA

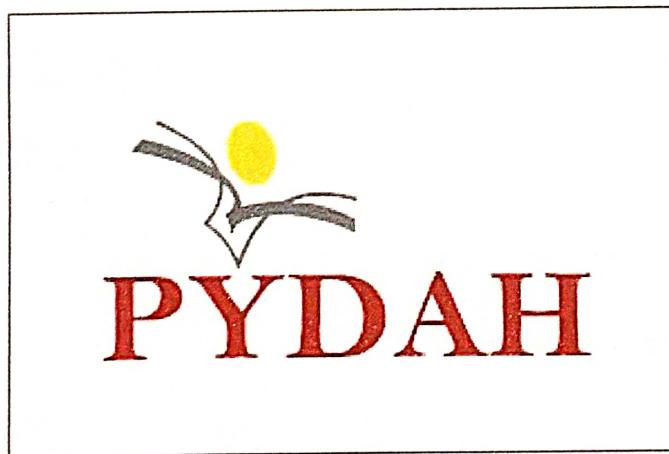
Regd.No.720131905014

Under the esteemed guidance of

Y.KRISHNA

Lecturer in Computer Science

Pydah College for Women



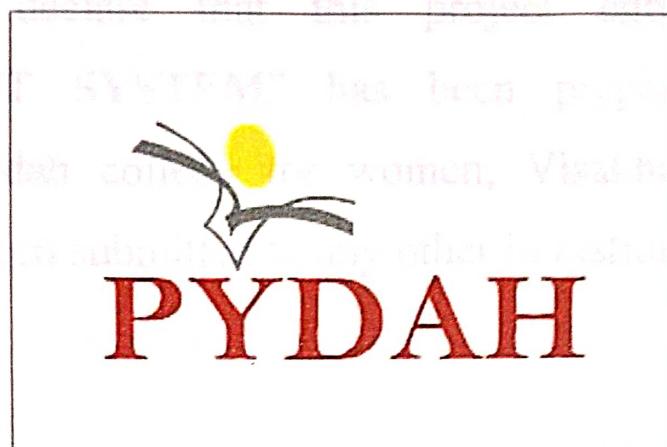
PYDAH COLLEGE FOR WOMEN
AFFILIATED TO ANDHRA UNIVERSITY
VISAKHAPATNAM

2022-2023

PYDAH DEGREE COLLEGE FOR WOMEN

(Affiliated by Andhra University)

Visakhapatnam



CERTIFICATE

This is to certify that this is a bonafide project work entitled "**SCHOOL MANAGEMENT SYSTEM**" by **DANATHI HARI PRIYA** bearing regd.no.**720131905014** student of bachelor of computer science in Pydah College for women, Andhra university during period 2022-2023

External:

Y.KRISHNA

(Project Guide)

HOD

DECLARATION

I hereby declare that this project entitled “**SCHOOL MANAGEMENT SYSTEM**” has been prepared by me and submitted to pydah college for women, Visakhapatnam and this project has not been submitted to any other in institute previously.

School Management System

Visakhapatnam

Name:

Date:

[Type text]

School Management System

[Type text]

[Type text]

CONTEXT

1.Objectives

2.Input and Output

3.Details of Modules

4.Usecase Diagrams

5.Tools/Platforms/Languages

6.Coding(PHP and My Sql)

7.Database Tables

8.Output Screens

9.Test Cases

10.Limitations of the Project

11.Scope of Future Reference

Bibliography

[Type text]

[Type text]

OBJECTIVES

1.OBJECTIVES

Online School management system is a web application, verymuch used for all schools, colleges. Now a days in schools and colleges it is difficult to maintain faculties, their hours, and student details.. Using our application, we can easily maintain entire school data, and we can easily search for each faculty periods.

Admin can add, delete, update, display existing students and faculty details. Each and every faculties periods are added to our database. students can register by his own. After that the student can search for his class subjects and their faculty names.

[Type text]

[Type text]

2.INPUT AND OUTPUT

Input Forms in our project:

- 1) Student registration form
- 2) Faculties registration form

Output Pages in our project:

- 1) Display all faculties and their periods
- 2) Display all student details
- 3) Students can search faculty details.

[Type text]

[Type text]

3.DETAILS OF MODULES

Our Project having Three Modules:

- 1) Admin Module
- 2) faculty Module
- 3) uses Module

In Admin Module, admin login form having admin username and password. If these values are matched with backend database values, then only admin gets authentication to the server. After authentication, admin control panel will be displayed. Admin can add new agencies.

In user Module, user can register and login to his account. If these values are matched with backend database values, then only user gets authentication to the server. After authentication, user control panel will be displayed.

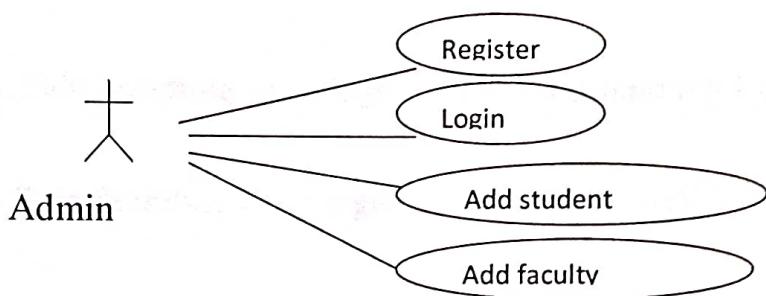
In faculty module, faculty will be login to his account and search for his periods. Students also can search for periods.

[Type text]

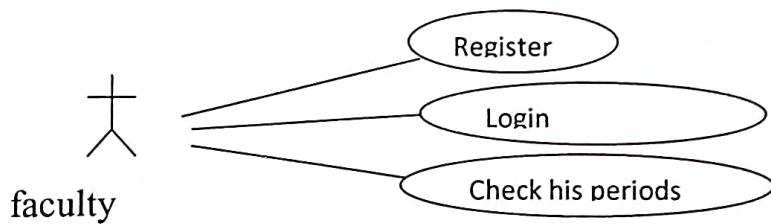
[Type text]

4. USECASE DIAGRAMS

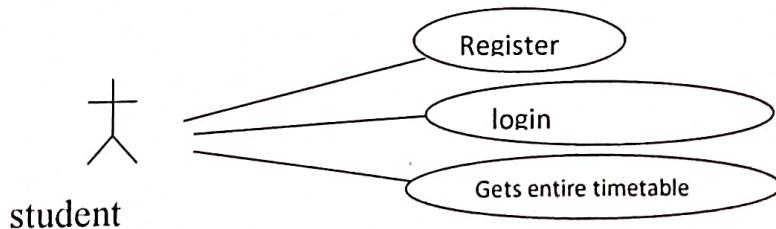
1) Usecase diagram for Admin:



2) Usecase diagram for faculty:



3) Usecase diagram for student:



[Type text]

[Type text]

5. TOOLS/PLATFORMS, LANGUAGES

Operating System: Windows 7

Server: Apache

Server Side Scripting Languages: PHP Programming Language

Client Side Scripting Languages: HTML, CSS, JAVA SCRIPT

($\Sigma_{\text{obs}} \approx 4.7 \mu\text{Jy}$)

[Type text]

About PHP and MySql

6.CODING

1) Index.php

```
<html>
<frameset rows="20%, 80%">
<frame name="f1" src="menu.php">
<frame name=f2>
</frameset>
</html>
```

2) Menu.php:

```
<html>
<body bgcolor="yellow">
<a href="home.php" target="f2">Home</a>
    &nbsp;&nbsp;&nbsp;&nbsp;&nbsp; | &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
<a href="userlogin.php" target="f2">Student Page</a>
    &nbsp;&nbsp;&nbsp;&nbsp;&nbsp; | &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
<a href="agentlogin.php" target="f2"> Faculty Page</a>
    &nbsp;&nbsp;&nbsp;&nbsp;&nbsp; | &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
<a href="adminlogin.php" target="f2">Admin Login</a>

</body>
</html>
```

[Type text]

[Type text]

3) Display all students:

```
<html>
<body bgcolor=lightgreen>
<br><br>
<?php
$c=mysql_connect("localhost", "root", ""); if(! $c)
{
echo "server not connected";
}
else
{
echo "server connection succesful";
}

$d=mysql_select_db("project13");
if(! $d)
{
echo "<br>database not connected";
}
else
{
echo "<br>database connection succesful";
}

$s="select * from students";
```

[Type text]

[Type text]

```
$k=mysql_query($s, $c);  
  
if(! $k)  
{  
    echo "<br>error in retrieving data";  
}  
else  
{  
    echo "<br>select command success";  
}  
  
echo "<center><table border=1 bgcolor=lightyellow height=30%  
width=60%><tr>  
<th>Student ID  
<th>Student Name  
<th>Class  
<th>Mobile  
";  
while($r=mysql_fetch_array($k))  
{  
    echo "<tr><td>$r[0]" . "<td>" . "$r[1]" . "<td>" . "$r[2]" . "<td>" . "$r[3]" ;  
}  
echo "</table></center>"  
?>  
  
</body>  
</html>
```

[Type text]

[Type text]

7.DATABASE TABLES

1) Faculties Table:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	facid	bigint(8)			No	None		AUTO_INCREMENT
2	facname	varchar(30)	latin1_swedish_ci		No	None		
3	sub	varchar(30)	latin1_swedish_ci		No	None		
4	mobile	bigint(10)			No	None		

2) Hours Table:

hour_id	class	subject	weekday
1	class1	maths	monday
2	class1	computers	monday
1	class2	english	monday
2	class2	telugu	monday
1	class1	computers	tuesday
2	class1	maths	tuesday
1	class2	telugu	tuesday
2	class2	english	tuesday

[Type text]

[Type text]

3) students Table:

stuid	stuname	class	mobile
1	manasa	class1	8767876787
2	ramya	class1	9878987898
3	kiran	class2	9876567656
4	sandhya	class2	6567678787

[Type text]

[Type text]

8.OUTPUT SCREENS

1) Home.php:

The screenshot shows a web browser window with the URL `localhost/project13/`. The page title is "Student Management System". The navigation menu includes Home, Student Page, Faculty Page, and Admin Login.

Welcome to Student Management System

Using this portal, student can get enrolled, admin can add students and faculties details. Students can search for their faculties.

Student Management System

server connection sucessful
database connection sucessful
select command success

Faculty ID	Faculty Name	Subject	Mobile
100	ravindra	computers	9898989898
102	mounika	maths	6567676765
103	sindhu	english	8585858585
104	srinivasarao	telugu	7878787585

server connection sucessful
database connection sucessful
select command success

Student Id	Student Name	Class Name	Mobile Number
1	manasa	class1	8767876787
2	ramya	class1	9878987898
3	kiran	class2	9876567656

[Type text]

[Type text]

2) Students page:

Welcome to User Control Panel

Display Faculties

server connection sucessful
database connection sucessful
select command success

Class Name	Faculty Name	Subject	Mobile	Hour
class1	mounika	maths	6567676765	1
class1	mounika	maths	6567676765	1
class1	ravindra	computers	9898989898	2
class1	ravindra	computers	9898989898	2
class2	sindhu	english	8585858585	1
class2	sindhu	english	8585858585	1
class2	srinivasarao	telugu	7878787585	2
class2	srinivasarao	telugu	7878787585	2
class1	ravindra	computers	9898989898	1
class1	ravindra	computers	9898989898	1
class1	mounika	maths	6567676765	2
class1	mounika	maths	6567676765	2
class2	srinivasarao	telugu	7878787585	1
class2	srinivasarao	telugu	7878787585	1
class2	sindhu	english	8585858585	2
class2	sindhu	english	8585858585	2

[Type text]

[Type text]

3) Searching faculty details:

The screenshot shows a web browser window titled "localhost:project12". The address bar also displays "localhost:project12". Below the address bar, there are navigation links: "Home", "Student Page", "Faculty Page", and "Admin Login". The main content area is titled "Welcome to Faculties Control Panel". Below this, there is a section titled "Search for periods" with a search input field and a "Search" button. A table titled "Search for Hours For Faculties" is displayed, showing the following data:

Faculty Name	Subject Name	Hour	Week Day
ravindra	computers	2	monday
ravindra	computers	2	monday
ravindra	computers	2	monday
ravindra	computers	2	monday
ravindra	computers	1	tuesday
ravindra	computers	1	tuesday
ravindra	computers	1	tuesday
ravindra	computers	1	tuesday

At the bottom of the browser window, there is a toolbar with various icons and a status bar showing "1:33 AM" and "100%".

[Type text]

[Type text]

4)Display all students:

Welcome to Admin Panel

[Display All Students](#)
[Add New Student](#)
[Update Existing Student](#)
[Delete Existing Student](#)

[Display All Faculties](#)
[Add New Faculties](#)
[Update Existing Faculty](#)
[Delete Existing Faculty](#)

server connection successful
database connection successful
select command success

Student ID	Student Name	Class	Mobile
1	manasa	class1	8767876787
2	ramya	class1	9878987898
3	kiran	class2	9876567656
4	sandhya	class2	6567678787

[Type text]

[Type text]

5) Add new student:

The screenshot shows a web browser window with the URL `localhost/project123/`. The page title is "Add New Student". At the top, there is a navigation bar with links: "Home", "Student Page", "Faculty Page", and "Admin Login". On the left side, there is a sidebar titled "Welcome to Admin Panel" containing links for managing students and faculties. The main content area is titled "Add New Student Details" and contains a form for entering student information. The form includes fields for "Student Name", "Class", "Mobile", and "Gender". There are also "Add Student" and "Reset" buttons at the bottom of the form.

Welcome to Admin Panel

Add New Student

Add New Student Details

Fill the following details.

Student Name	<input type="text"/>
Class	<input type="text"/>
Mobile	<input type="text"/>
	<input type="button" value="Add Student"/> <input type="button" value="Reset"/>

Give Classname as small letters(Ex: class1, class2, etc)

[Type text]

[Type text]

6)Update existing student:

The screenshot shows a web browser window with the URL `localhost/project12`. The page is titled "Update Existing Student Page". On the left, there's a sidebar titled "Welcome to Admin Panel" with links for "Display All Students", "Add New Student", "Update Existing Student", and "Delete Existing Student". Below that is another set of links for "Display All Faculties", "Add New Faculties", "Update Existing Faculty", and "Delete Existing Faculty". The main content area has a heading "Existing Students" and a table with four rows of student data. At the bottom, there's a form with fields for "Student Id", "Student Name", "Class", and "Mobile", along with "Update Student" and "Reset" buttons.

Student ID	Student Name	Class	Mobile
1	manasa	class1	8767876787
2	ramya	class1	9878987898
3	kiran	class2	9876567656
4	sandhya	class2	6567678787

[Type text]

[Type text]

7)Delete existing student:

The screenshot shows a web application interface. At the top, there is a header bar with a logo, navigation links for 'Home', 'Student Page', 'Faculty Page', and 'Admin Login', and several system status icons. The main content area is divided into two sections: a sidebar on the left and a main panel on the right.

Welcome to Admin Panel

[Display All Students](#)
[Add New Student](#)
[Update Existing Student](#)
[Delete Existing Student](#)

[Display All Faculties](#)
[Add New Faculty](#)
[Update Existing Faculty](#)
[Delete Existing Faculty](#)

Delete Existing Student Page

server connection successful
database connection successful
select command success

Delete Existing Student

Student ID	Student Name	Class	Mobile
1	manasa	class1	8767876787
2	ramya	class1	9878987898
3	kiran	class2	9876567656
4	sandhya	class2	6567678787

Fill the following details.

Student Id	<input type="text"/>
Student Name	<input type="text"/>
<input type="button" value="Delete Student"/> <input type="button" value="Reset"/>	

At the bottom of the screen, there is a toolbar with various icons and a system status bar showing the date and time.

3) Display all faculty details:

[Type text]

[Type text]

The screenshot shows a web application titled "Welcome to Admin Panel". On the left, there's a sidebar with links for managing students and faculty. The main area displays a table of student information with 4 columns: Faculty ID, Faculty Name, Subject, and Mobile. The table contains 4 rows of data.

Welcome to Admin Panel

Display All Students
Add New Student
Update Existing Student
Delete Existing Student

Display All Faculties
Add New Faculty
Update Existing Faculty
Delete Existing Faculty

Faculty ID	Faculty Name	Subject	Mobile
101	avindra	computers	9898989898
102	mounika	maths	6167676767
103	sandhu	english	8585858585
104	srinivasarao	telugu	7878787878

[Type text]

[Type text]

8)Add new faculty:

The screenshot shows a web browser window with the URL `localhost/project13`. The page title is "localhost/project13". The navigation bar includes links for "Home", "Student Page", "Faculty Page", and "Admin Login". The main content area is divided into two sections: "Welcome to Admin Panel" on the left and "Add New faculty" on the right.

Welcome to Admin Panel

- [Display All Students](#)
- [Add New Student](#)
- [Update Existing Student](#)
- [Delete Existing Student](#)

- [Display All Faculties](#)
- [Add New Faculties](#)
- [Update Existing Faculty](#)
- [Delete Existing Faculty](#)

Add New faculty

Add New faculty Details

Fill the following details.

faculty Name	
subject	
Mobile	
	<input type="button" value="Add faculty"/> <input type="button" value="Reset"/>

Give subjectname as small letters(Ex: subject1, subject2, etc)

[Type text]

[Type text]

9)Update existing faculty:

The screenshot shows a web application interface. At the top, there is a header bar with a logo, a search bar, and navigation links for 'Home', 'Student Page', 'Faculty Page', and 'Admin Login'. Below the header, on the left side, is a sidebar titled 'Welcome to Admin Panel' containing links for managing students and faculties. The main content area is titled 'Update Existing faculty Page' and displays a message: 'server connection successful database connection successful select command success'. It also shows a table titled 'Existing facultys' with four rows of data. At the bottom, there is a form to 'Fill the following details.' with fields for 'faculty Id', 'faculty Name', 'subject', and 'Mobile', along with 'Update faculty' and 'Reset' buttons.

faculty ID	faculty Name	subject	Mobile
100	ravindra	computers	9898989898
102	mounika	maths	6567676765
103	sindhu	english	8585858585
104	srinivasarao	telugu	7878787585

[Type text]

[Type text]

10)Delete existing faculty:

The screenshot shows a web application running on a local host at port 8080. The URL in the address bar is `http://localhost:8080/project13`. The page has a header with links for Home, Student Page, Faculty Page, and Admin Login. The main content area is titled "Delete Existing faculty Page". It contains three lines of success message text: "server connection succesful", "database connection succesful", and "select command success". Below this is a table showing faculty data:

faculty ID	faculty Name	subject	Mobile
100	ravindra	computers	9898989898
102	mounika	maths	6567676765
103	sindhu	english	8585858585
104	srinivasarao	telugu	7878787385

Below the table, a message says "Fill the following details." followed by a form with fields for "faculty Id" and "faculty Name", and buttons for "Delete faculty" and "Reset".

[Type text]

[Type text]

9.TEST CASES

- 1) Test Case 1: Admin Login- check username and password values with the values that are already stored in the server. If these values are matched with the values stored in the server, then only the admin gets authentication.- It is success.
- 2) Test Case 2: faculty Login: check username and password values with the values that are already stored in the server. If these values are matched with the values stored in the server, then only the customer gets authentication.- It is success.
- 3) Test Case 3: search for periods: To search for periods. The students must be registered student in our school. Students can search for periods. It is success.

[Type text]

[Type text]

10.LIMITATIONS OF PROJECT

In this project we developed all the functionalities of school management applications. Here limitations are, this project not contains all the roles of faculty and students. Here we used only admin to manage and maintain applications. In real world applications, multiple branches of schools exists. Here in this project we used only one branch of students.

[Type text]

[Type text]

11. SCOPE OF FUTURE REFERENCE

This project is very much used in future for school related applications. Here, we developed this application with fully secured server side scripting language PHP. All the functionalities of banking application are included in this project.

[Type text]

BIBILOGRAPHY

BOOK REFERENCES

1. C. J. Date, A. Kannan and S. Swamynathan, *An Introduction to Database Systems*, Pearson Education, Eighth Edition, 2009.
2. Abraham Silberschatz, Henry F. Korth and S. Sudarshan, *Database System Concepts*, McGraw-Hill Education (Asia), Fifth Edition, 2006.
3. Shio Kumar Singh, *Database Systems Concepts, Designs and Application*, Pearson Education, Second Edition, 2011.
4. Peter Rob and Carlos Coronel, *Database Systems Design, Implementation and Management*, Thomson Learning-Course Technology, Seventh Edition, 2007.
5. Patrick O'Neil and Elizabeth O'Neil, *Database Principles, Programming and Performance*, Harcourt Asia Pte. Ltd., First Edition, 2001.
6. Atul Kahate, *Introduction to Database Management Systems*, Pearson ...