

NATIONAL UNIVERSITY OF SCIENCES & TECHNOLOGY

MILITARY COLLEGE OF SIGNALS, NUST



Object Oriented Programming (OOP)
(CS-212)

○ **Submitted by:** MUHAMMAD AHMAD SULTAN

○ **RANK:** NC

○ **CMS ID:** 408709

○ **COURSE:** BESE-28

○ **SECTION:** C

○ **DEPARTMENT:** COMPUTER SOFTWARE
ENGINEERING (CSE)

○ **Submitted to:** LE Muhammad Asif

○ **DATED:** 13-05-2023

▪ **Overview:**

○ **INTRODUCTION**

STUDENT MANAGEMENT SYSTEM (SMS) is a flagship product of Easy Solution which covers all aspects of Universities, Colleges or Schools. SMS covers every minute aspects of a universities work flow and integrates all processes with user friendly interface. With hundreds of satisfied customers SMS is first choice of several state, governments/semi- government universities and institutions. SMS is an outcome of hard work done by our expert technical team in supervision of several renowned educationists which includes Controller of examination, faculties. SMS is a rare combination of experience and precision. SMS streamline path of information flow in organization by taking care of following departments:

- Fee Department
- Examination Department
- Attendance
- Faculty information portal
- Student information portal

○ **Purpose:**

- Drive operational efficiency.
- Self-service systems with simple to use with little or no training.
- Elimination of duplicate data entry processes.
- Integrated with Online Application workflow with unified data model.
- Monitoring and decision support system.
- Automation of all the Academic / Examination / Administration operations.
- Ease and accuracy of reporting.

○ **Scope:**

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 registration, student search, fees, attendance, exam records, performance of the student etc. All these activity takeout manually by administrator.

▪ **REQUIREMENT SPECIFICATIONS**

Hardware Requirements:

- Processor Brand : Intel
- Processor Type : Core i3
- Processor Speed : 2 GHz
- Processor Count : 1
- RAM Size : 2 GB
- Memory Technology : DDR3
- Computer Memory Type : DDR3 SDRAM
- Hard Drive Size : 160 GB

Software Requirements:

- Operating system : Windows 10
- Application server : JAVA (NetBeans)
- Front end : JAVA
- Connectivity: JDBC Driver
- Database connectivity : WAMP (MYSQL Console)

TOOL DESCRIPTION

○ Overview of Front End

An important issue for the development of a project is the selection of suitable front- end and back-end. When we decided to develop the project we went through an extensive study to determine the most suitable platform that suits the needs of the organization as well as helps in development of the project.

The aspects of our study included the following factors. Front-end selection:

1. It must have a graphical user interface that assists employees that are not from IT background.
2. Scalability and extensibility.
3. Flexibility.
4. Robustness.
5. According to the organization requirement and the culture.
6. Must provide excellent reporting features with good printing support.
7. Platform independent.
8. Easy to debug and maintain.
9. Event driven programming facility.
10. Front end must support some popular back end like MySQL.

According to the above stated features we selected PHP and CSS as the front-end for developing.

○ About Java:

Java is a general-purpose, class-based, object-oriented programming language designed for having lesser implementation dependencies. It is a computing platform for application development. Java is fast, secure, and reliable, therefore. It is widely used for developing Java applications in laptops, data centers, game consoles, scientific supercomputers, cell phones, etc.

Here are some important Java applications:

- It is used for developing Android Apps

- Helps you to create Enterprise Software
- Wide range of Mobile java Applications
- Scientific Computing Applications
- Use for Big Data Analytics
- Java Programming of Hardware devices
- Used for Server-Side Technologies like Apache, JBoss, GlassFish, etc.

○ **Overview of Back End**

Back End Selection:

1. Multiple user support.
2. Efficient data handling.
3. Provide inherent features for security.
4. Efficient data retrieval and maintenance.
5. Stored procedures.
6. Popularity.
7. Operating System compatible.
8. Easy to install.
9. Various drivers must be available.
10. Easy to implant with the Front-end.

According to above stated features we selected MySQL as the backend.

The technical feasibility is frequently the most difficult area encountered at this stage. It is essential that the process of analysis and definition be conducted in parallel with an assessment to technical feasibility. It centers on the existing computer system (hardware, software etc.) and to what extent it can support the proposed system.

○ **About SQL:**

SQL is Structured Query Language, which is a computer language for storing, manipulating and retrieving data stored in a relational database.

SQL is the standard language for Relational Database System. All the Relational Database Management Systems (RDMS) like MySQL, MS Access, Oracle, Sybase, Informix, Postgres and SQL Server use SQL as their standard database language.

MySQL is a fast, easy-to-use RDBMS being used for many small and big businesses. MySQL is developed, marketed and supported by MySQL AB, which is a Swedish company. MySQL is becoming so popular because of many good reasons.

MySQL is released under an open-source license. So you have nothing to pay to use it. MySQL is a very powerful program in its own right. It handles a large subset of the functionality of the most expensive and powerful database packages. MySQL uses a standard form of the well-known SQL data language. MySQL works on many operating systems and with many languages including PHP, PERL, C, C++, JAVA, etc.

MySQL works very quickly and works well even with large data sets. MySQL is very friendly to PHP, the most appreciated language for web development. MySQL supports large databases, up to 50 million rows or more in a table. The default file size limit for a table is 4GB, but you can increase this (if your operating system can handle it) to a theoretical limit of 8 million terabytes (TB).

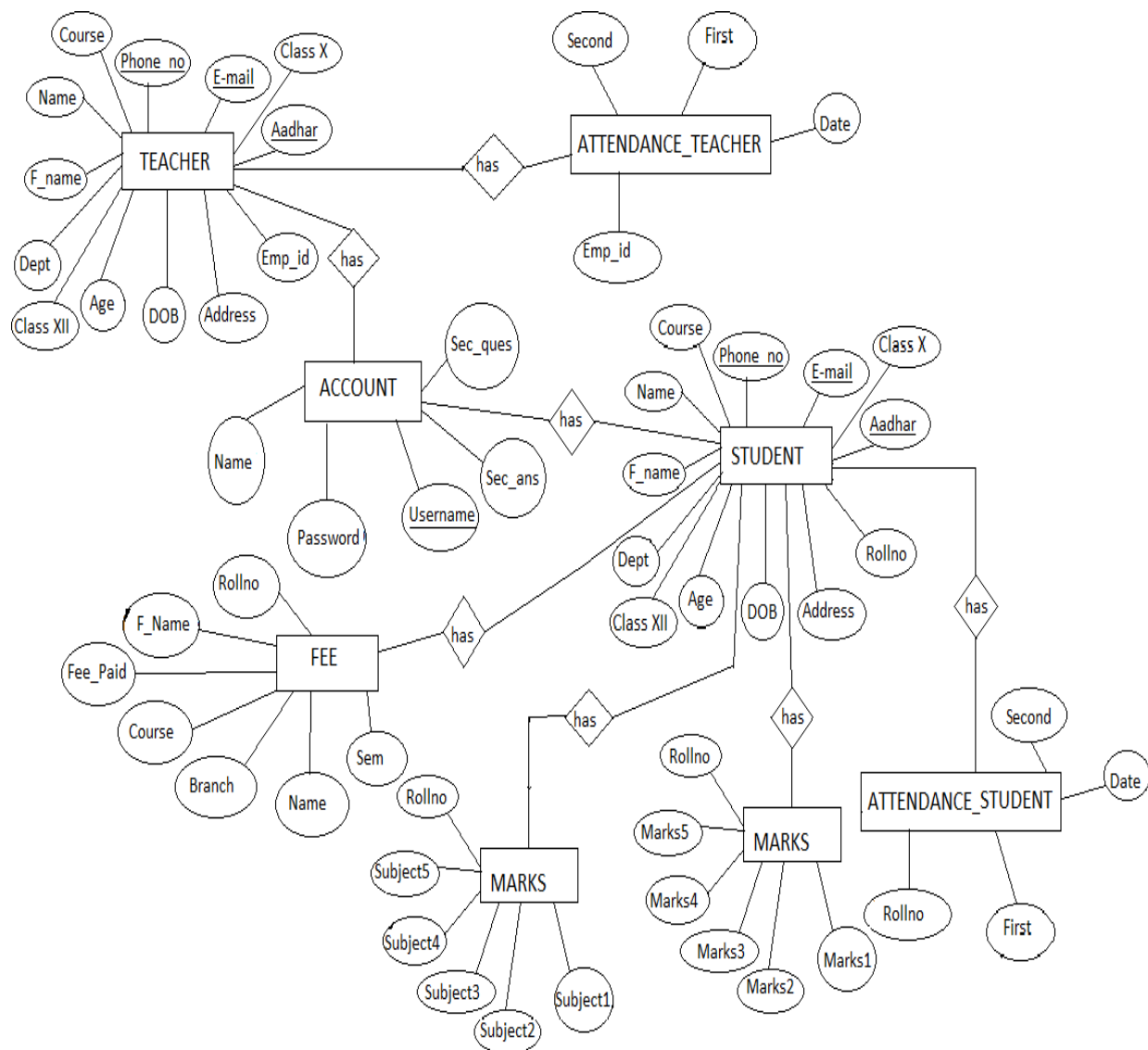
Also, they are using different dialects, such as –

- Oracle using PL/SQL
- SQL is widely popular because it offers the following advantages –
- Allows users to access data in the database management systems.
- Allows users to describe the data.relational
- Allows users to define the data in a database and manipulate that data.
- Allows to embed within other languages using SQL modules, libraries & pre-compilers.
- Allows users to create and drop databases and tables.
- Allows users to create view, stored procedure, functions in a database.
- Allows users to set permissions on tables, procedures and views.

REQUIREMENT ANALYSIS

E-R DIAGRAM:

ER Diagram is a high-level conceptual data model diagram. Entity-Relation model is based on the notion of real-world entities and the relationship between them. ER modelling helps you to analyse data requirements systematically to produce a well-designed database.



SCHEMA DIAGRAM:

A schema diagram is the skeleton structure that represents the logical view of the entire database. It contains a descriptive detail of the database.

ACCOUNT:

<u>Username</u>	Name	Password	Sec_ques	Sec_ans
-----------------	------	----------	----------	---------

STUDENT:

Name	F_name	Age	DoB	Address	Class X	Branch	<u>Phoneno</u>	<u>E-mail</u>	Course	<u>Aadhar</u>	ClassXII	Rollno
------	--------	-----	-----	---------	---------	--------	----------------	---------------	--------	---------------	----------	--------

TEACHER:

Name	F_name	Age	DoB	Address	Class X	Dept	<u>Phoneno</u>	<u>E-mail</u>	Course	<u>Aadhar</u>	ClassXII	Emp_id
------	--------	-----	-----	---------	---------	------	----------------	---------------	--------	---------------	----------	--------

SUBJECT:

Rollno	Subject1	Subject2	Subject3	Subject4	Subject5
--------	----------	----------	----------	----------	----------

MARKS:

Rollno	Marks1	Marks2	Marks3	Marks4	Marks5
--------	--------	--------	--------	--------	--------

FEE:

Rollno	Name	F_name	Course	Branch	Sem	Fee_Paid
--------	------	--------	--------	--------	-----	----------

ATTENDANCE_STUDENT:

Rollno	Date	First	Second
--------	------	-------	--------

ATTENDANCE_TEACHER:

Emp_id	Date	First	Second
--------	------	-------	--------

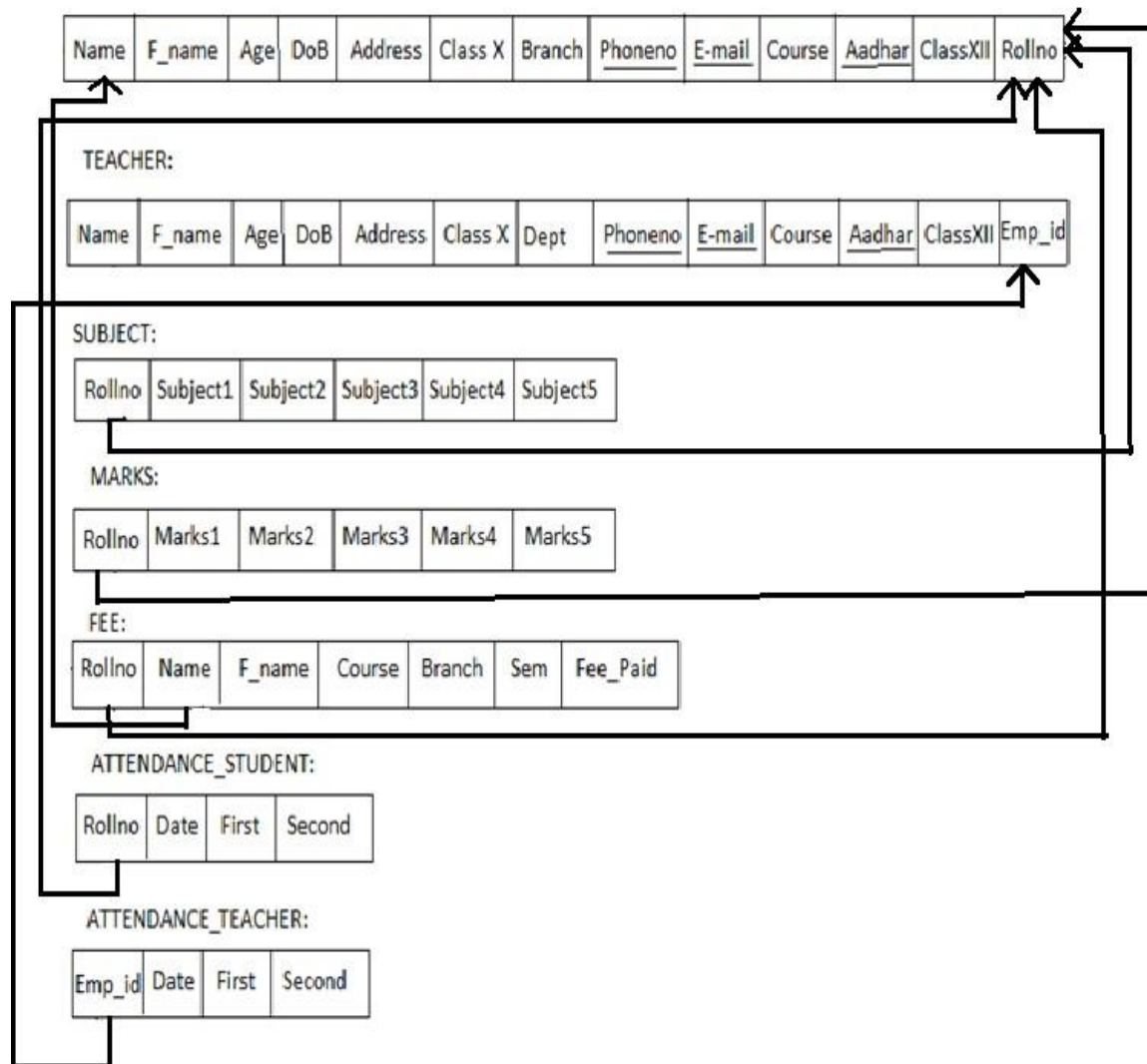


TABLE DESCRIPTION

Database Queries for COLLEGE MANAGEMENT SYSTEM Project

1 - Create database

```
create database collegemanagementsystem;
```

2 - Use database you just created

```
use collegemanagementsystem;
```

3 - Create login table

```
create table login(username varchar(25), password varchar(25));
```

4 - Insert some values in the login table

```
insert into login values('mas', 'mas03');
```

5 - Create student table

```
create table student(name varchar(40), fname varchar(40), rollno varchar(20), dob varchar(40),  
address varchar(100), phone varchar(20), email varchar(40), class_x varchar(20), class_xii  
varchar(20), cnic varchar(20), course varchar(40), branch varchar(40));
```

6 - Create teacher table

```
create table teacher(name varchar(40), fname varchar(40), empId varchar(20), dob varchar(40),  
address varchar(100), phone varchar(20), email varchar(40), class_x varchar(20), class_xii  
varchar(20), cnic varchar(20), education varchar(40), department varchar(40));
```

7 - Create student leave table

```
create table studentleave(rollno varchar(20), date varchar(50), duration varchar(20));
```

8 - Create teacher leave table

```
create table teacherleave(empId varchar(20), date varchar(50), duration varchar(20));
```

9 - Create table to store subjects

```
create table subject(rollno varchar(20), semester varchar(20), subject1 varchar(50), subject2  
varchar(50), subject3 varchar(50), subject4 varchar(50), subject5 varchar(50));
```

10 - Create table to store marks

```
create table marks(rollno varchar(20), semester varchar(20), marks1 varchar(50), marks2  
varchar(50), marks3 varchar(50), marks4 varchar(50), marks5 varchar(50));
```

11 - Create table for fee structure

```
create table fee_(course varchar(20), semester1 varchar(20), semester2 varchar(20), semester3  
varchar(20), semester4 varchar(20), semester5 varchar(20), semester6 varchar(20), semester7  
varchar(20), semester8 varchar(20));
```

12 - Insert some values in the table

```
insert into fee_values("Bachelors", "175000",  
"124000","124000","124000","124000","124000","124000");
```

```
insert into fee_values("Masters", "140000", "95000","95000","95000","","","");
```

```
insert into fee_values("PhD", "135000",  
"110000","10000","110000","100000","110000","110000","110000");
```

13 - Create table to store student fee details

```
create table collegefee(rollno varchar(20), course varchar(20), branch varchar(20), semester  
varchar(20), total varchar(20));
```

TESTING

System testing is the stage of implementation, which is aimed at ensuring that the system works accurately and efficiently before live operation commences. Testing is the process of executing the program with the intent of finding errors and missing operations and also a complete verification to determine whether the objectives are met and the user requirements are satisfied. The ultimate aim is quality assurance.

○ Unit Testing

The software units in a system are modules and routines that are assembled and integrated to perform a specific function. Unit testing focuses first on modules, independently of one another, to locate errors. This enables, to detect errors in coding and logic that are contained within each module. This testing includes entering data and ascertaining if the value matches to

the type and size supported by java. The various controls are tested to ensure that each performs its action as required.

- **Integration Testing**

Data can be lost across any interface, one module can have an adverse effect on another, sub functions when combined, may not produce the desired major functions. Integration testing is a systematic testing to discover errors associated within the interface. The objective is to take unit tested modules and build a program structure. All the modules are combined and tested as a whole. Here the Server module and Client module options are integrated and tested. This testing provides the assurance that the application is well integrated functional unit with smooth transition of data.

- **User Acceptance**

Testing User acceptance of a system is the key factor for the success of any system. The system under consideration is tested for user acceptance by constantly keeping in touch with the system users at time of developing and making changes whenever required.

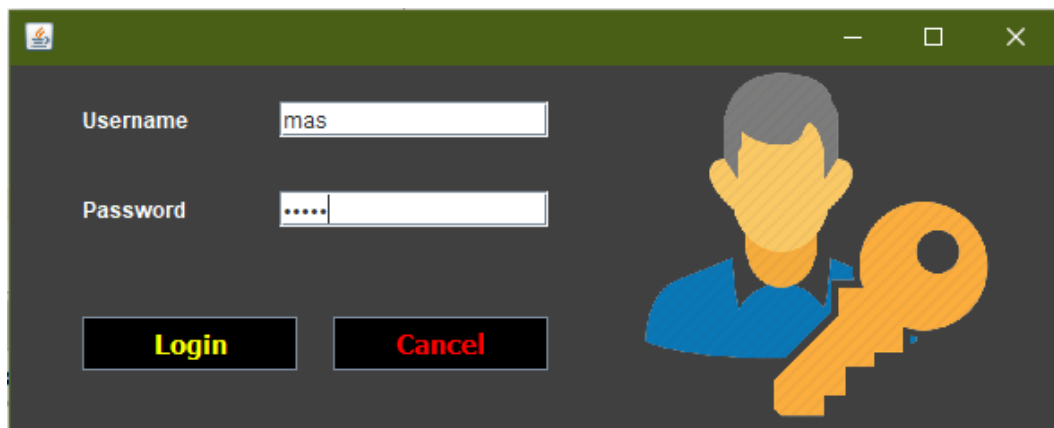
TEST CASES

Test No.	Test Name	input	Actual output	Expected output	Status
1	Login	Username and password	User is successfully Authenticated	User is successfully Authenticated	Pass
2	Login	Wrong username and password	Invalid username or password	Invalid username or password	Pass
4	Student	Details of the student required.	Student inserted successfully	Student inserted successfully	Pass
5	Teacher	Details of the teacher required	Teacher inserted successfully	Teacher inserted successfully	Pass
6	Subject	Enter the subject names and marks along with rollno	Subjects entered successfully	Subjects entered successfully	Pass
7	Fee	Details and fee_paid	Paid successfully	Paid successfully	Pass
8	Remove Student	Enter rollno and click on remove	Removed successfully	Removed successfully	Pass
9	Remove Teacher	Enter emp_id and click on remove	Teacher removed successfully	Teacher removed successfully	Pass
10	Exit	Click on Exit	Logout successfully	Logout successfully	Pass

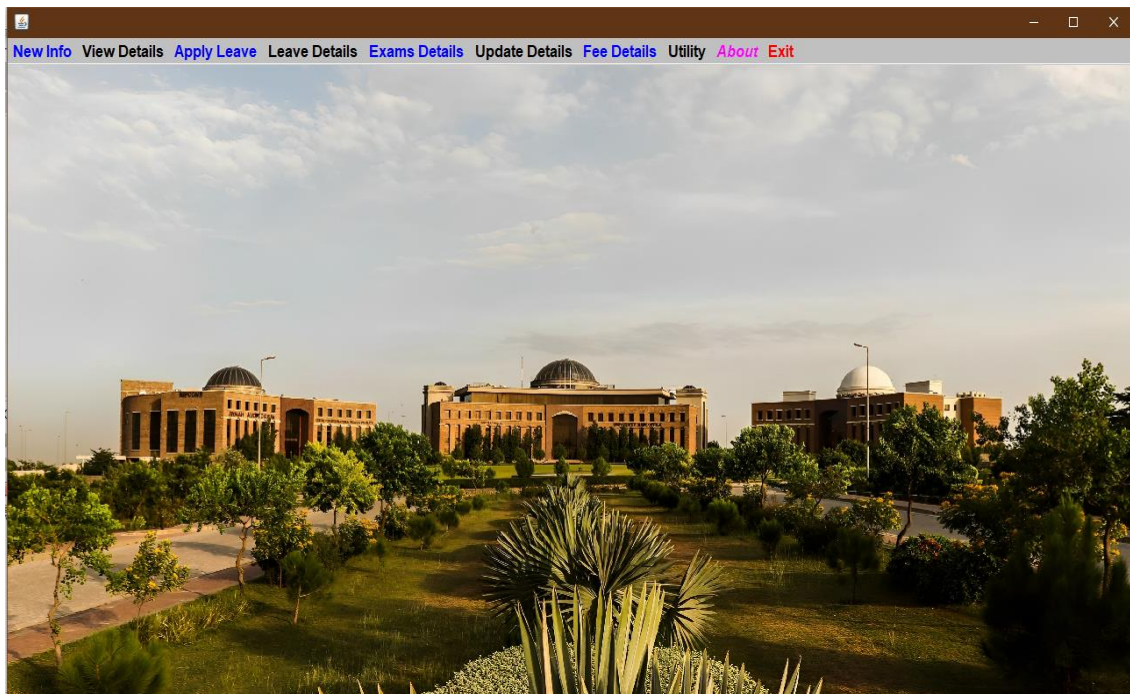
- OUTPUT (SCREENSHOT) FOR MAIN WINDOW



- OUTPUT (SCREENSHOT) FOR LOGIN WINDOW




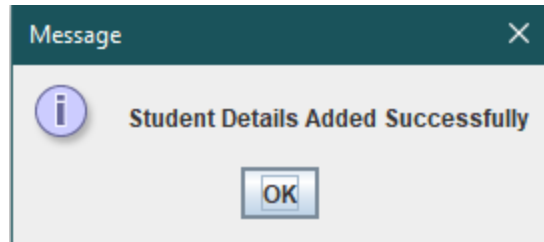
■ OUTPUT (SCREENSHOT) FOR LOGIN WINDOW



■ OUTPUT (SCREENSHOT) FOR ADD NEW STUDENT WINDOW

Student (New Comer) Info

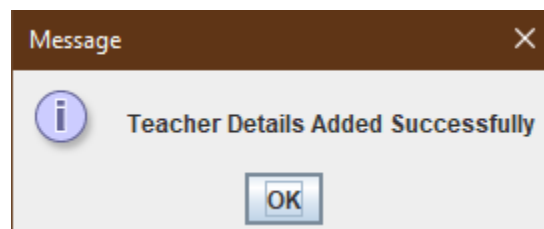
Name	<input type="text" value="Zubair Safdar"/>	Father's Name	<input type="text" value="Imran Ahmad"/>
Roll Number	<input type="text" value="15337361"/>	Date of Birth	<input type="text" value="Dec 25, 1995"/> 
Address	<input type="text" value="06, Sector I/10-4, Islamabad"/>	Phone	<input type="text" value="03063944301"/>
Email Id	<input type="text" value="zubair@gamil.com"/>	MATRIC '%'	<input type="text" value="82"/>
FSc '%'	<input type="text" value="76"/>	CNIC Number	<input type="text" value="3650239943725"/>
Course	<input type="text" value="PhD"/>	Branch	<input type="text" value="Info Security"/>



▪ OUTPUT (SCREENSHOT) FOR ADD NEW
TEACHER WINDOW

A screenshot of a 'New Teacher (Faculty) Details' form window. The title bar is brown with standard window controls. The form has a light gray background. It contains the following fields:

- Name**: Text input with 'Dr.Kamran Khan'.
- Employee Id**: Text input with '1014640'.
- Address**: Text input with '5,Sector E/11-3,Islamabad'.
- Email Id**: Text input with 'kkhan@gmail.com'.
- FSc '%'**: Text input with '76'.
- Qualification**: Dropdown menu with 'PhD' selected.
- Father's Name**: Text input with 'Nauman Khan'.
- Date of Birth**: Date picker showing 'Sep 16, 1970'.
- Phone**: Text input with '03413421401'.
- MATRIC '%'**: Text input with '85'.
- CNIC Number**: Text input with '3460192345621'.
- Department**: Dropdown menu with 'Computer Science' selected.

At the bottom are two buttons: a green 'Submit' button and a red 'Cancel' button.

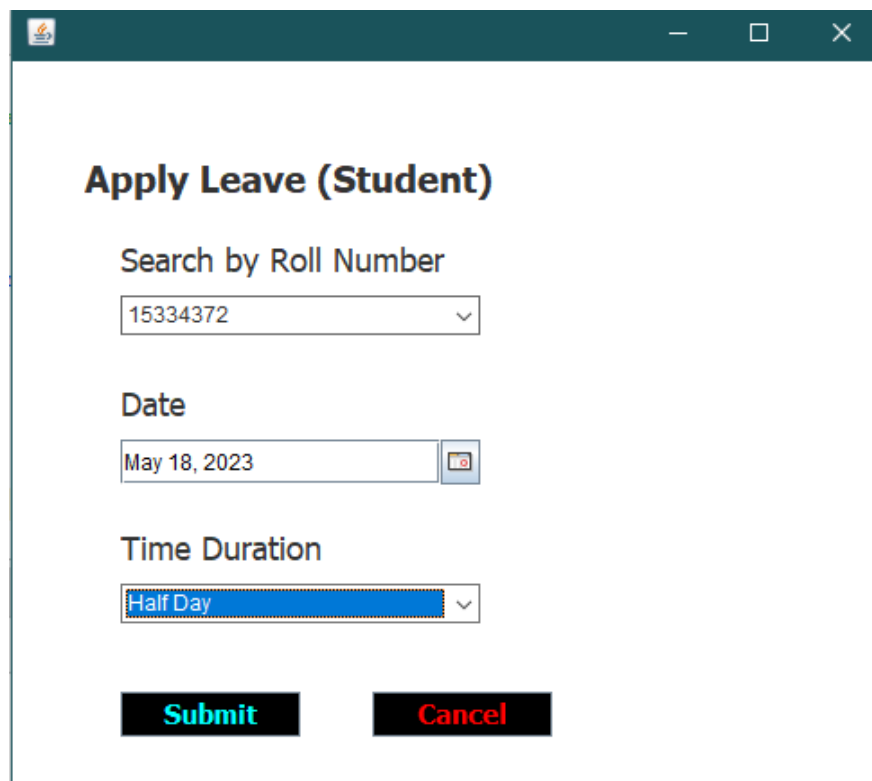
▪ **OUTPUT (SCREENSHOT) FOR STUDENT
DETAILS WINDOW**

name	fname	rollno	dob	address	phone	email	class_x	class_xii	cnic	course	branch
Ali Akbar	Akbar Ahm...	15334372	May 12, 2003	House#03,...	030636223...	ali.akbar@...	92	85	32502688...	Bachelors	Software E...
Rashid Khan	Salman Kh...	15331901	Oct 29, 2003	House#9,s...	030237293...	rkhan@gm...	87	77	34502377...	Bachelors	Electrical E...
Abdullah	Ubaid	15337944	Sep 15, 20...	House#4,S...	034123213...	aubaid@g...	78	88	32402977...	Bachelors	Computer ...
Ahmad Ra...	Mian Ramz...	15339698	Jul 29, 2003	House#9,S...	033205903...	aramzan@...	78	83	60011738...	Bachelors	Computer ...
Zubair Safd...	Imran Ahm...	15337361	Dec 25, 19...	House#07,...	030639443...	zubair@ga...	82	76	36502399...	PhD	Info Security

▪ **OUTPUT (SCREENSHOT) FOR TEACHER
DETAILS WINDOW**

name	fname	empld	dob	address	phone	email	class_x	class_xii	cnic	education	department
Daniyal Ali	Abrar Ali	101219	May 7, 1991	House#07,...	030413333...	daniyalabr...	91	82	35502877...	MS	Info Security
Osama Za...	Khalid Imran	1015328	Aug 21, 1985	Chak#86/6...	033345631...	ozahid@g...	933	87	36501934...	MS	Computer ...
Khalid Ali	Ali Arshad	1014451	Jun 30, 1971	House#01,...	030725223...	akhalid@g...	92	83	63203877...	PhD	Software E...
Dr.Kamran ...	Nauman K...	1014640	Sep 16, 19...	House#12,...	034134214...	kkhan@gm...	85	76	34601923...	PhD	Computer ...

- **OUTPUT (SCREENSHOT) FOR STUDENT LEAVE WINDOW**



Apply Leave (Student)

Search by Roll Number

15334372

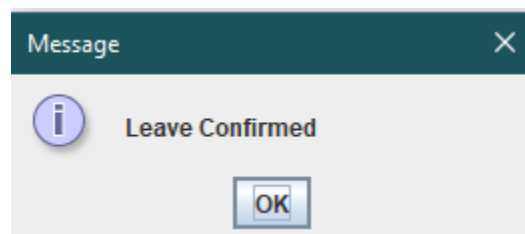
Date

May 18, 2023

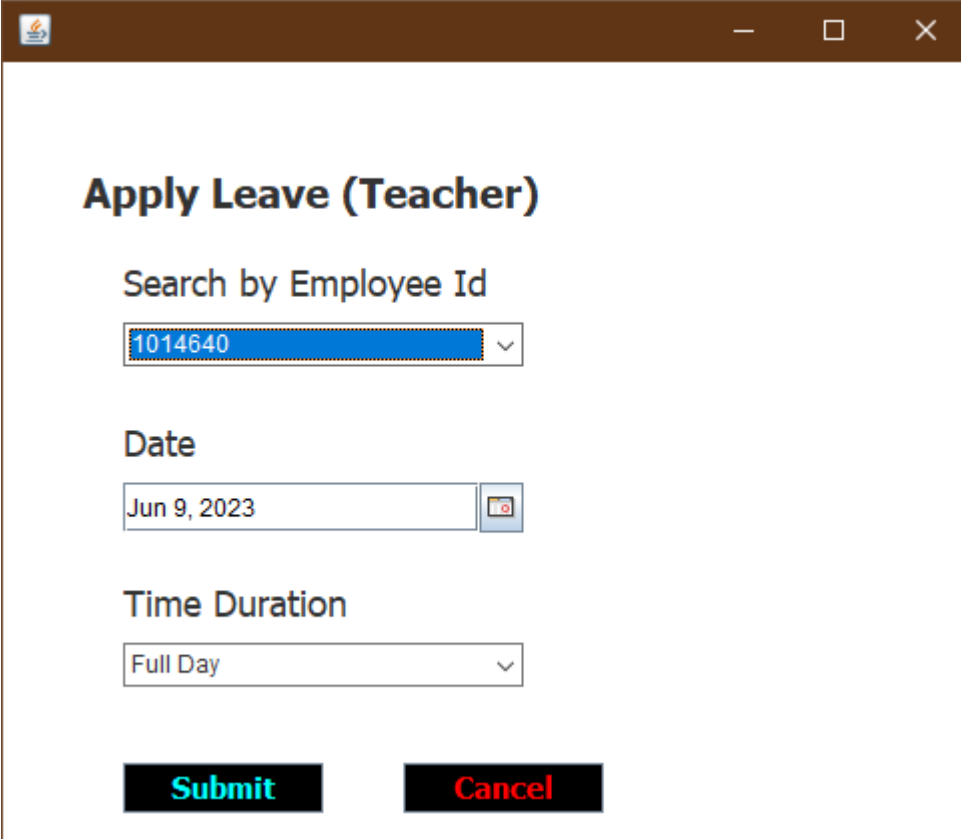
Time Duration

Half Day

Submit **Cancel**



- **OUTPUT (SCREENSHOT) FOR TEACHER LEAVE WINDOW**



Apply Leave (Teacher)

Search by Employee Id

1014640

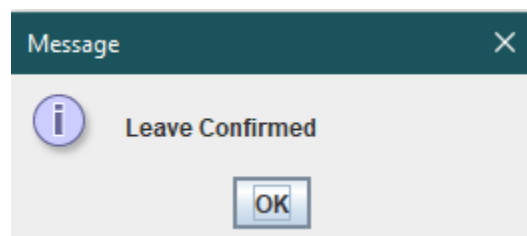
Date

Jun 9, 2023

Time Duration

Full Day

Submit **Cancel**



▪ OUTPUT (SCREENSHOT) FOR STUDENT LEAVE DETAILS WINDOW

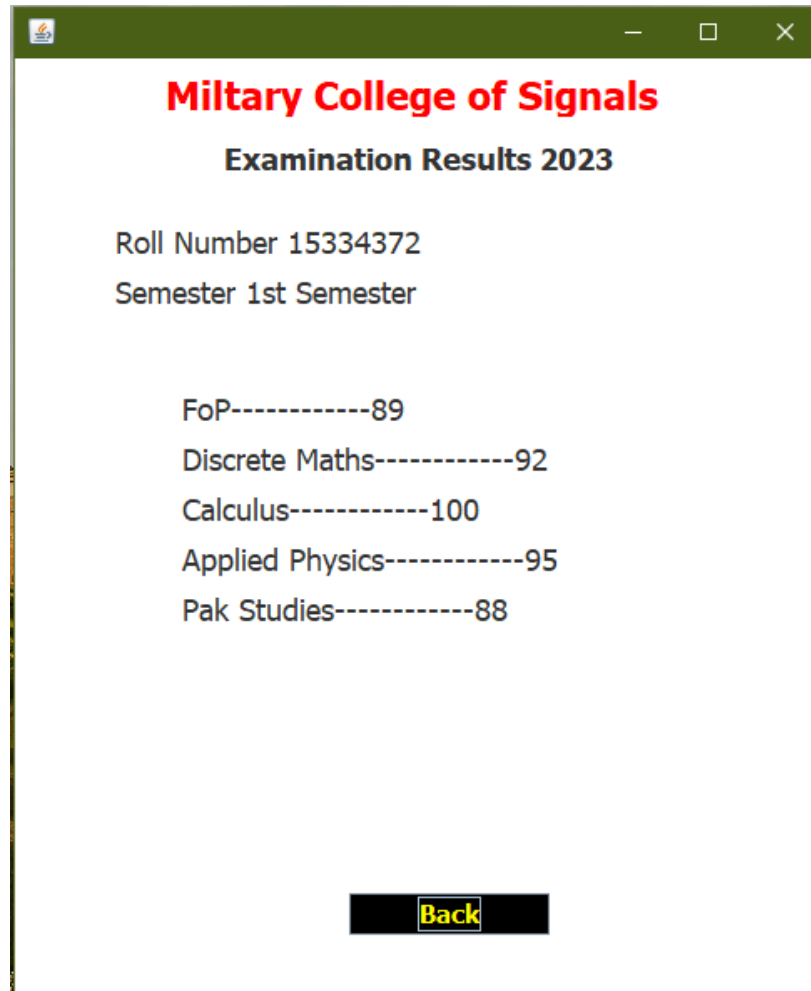
rollno	date	duration
15334372	May 15, 2023	Full Day
15331901	May 16, 2023	Half Day
15334372	May 18, 2023	Half Day

▪ OUTPUT (SCREENSHOT) FOR TEACHER LEAVE DETAILS WINDOW

empld	date	duration
101219	May 26, 2023	Full Day
1014640	Jun 9, 2023	Full Day

▪ OUTPUT (SCREENSHOT) FOR EXAMINATION DETAILS WINDOW

name	fname	rollno	dob	address	phone	email	class_x	class_xii	cnic	course	branch
Ali Akbar	Akbar A...	15334372	May 12, ...	House#0...	0306362...	ali.akbar...	92	85	3250268...	Bachelors	Software...
Rashid K...	Salman ...	15331901	Oct 29, ...	House#9...	0302372...	rkhan@g...	87	77	3450237...	Bachelors	Electrical...
Abdullah	Ubaid	15337944	Sep 15, ...	House#4...	0341232...	aubaid@...	78	88	3240297...	Bachelors	Compute...
Ahmad ...	Mian Ra...	15339698	Jul 29, 2...	House#9...	0332059...	aramzan...	78	83	6001173...	Bachelors	Compute...
Zubair S...	Imran A...	15337361	Dec 25, ...	House#0...	0306394...	zubair@...	82	76	3650239...	PhD	Info Sec...



Military College of Signals

Examination Results 2023

Roll Number 15334372

Semester 1st Semester

FoP-----89

Discrete Maths-----92

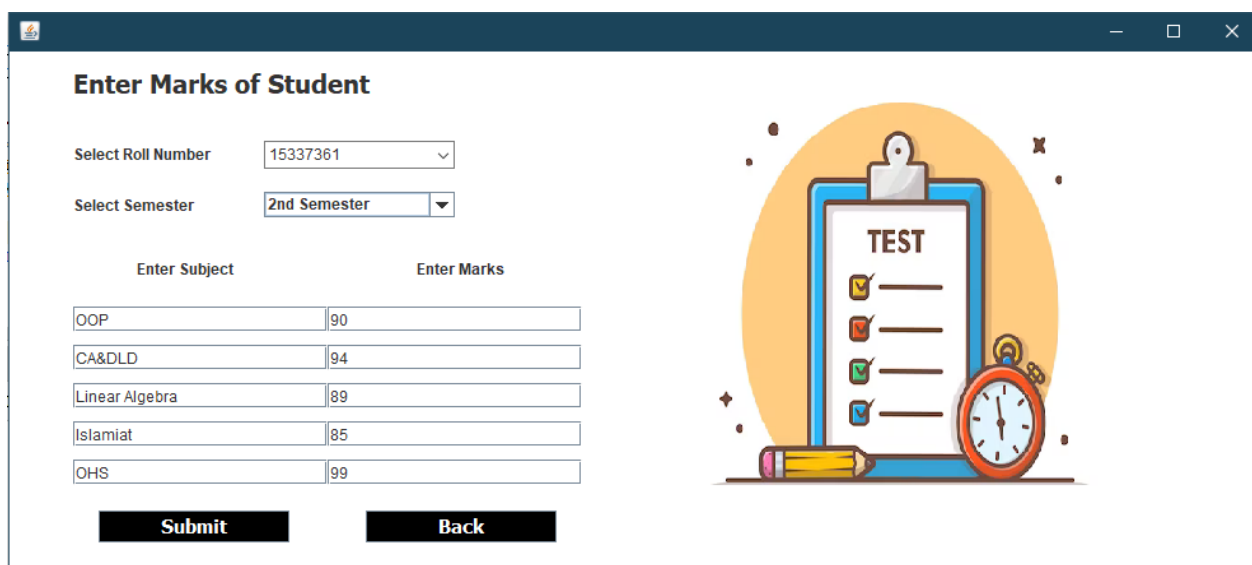
Calculus-----100

Applied Physics-----95

Pak Studies-----88

Back

▪ **OUTPUT (SCREENSHOT) FOR ENTER MARKS WINDOW**




Enter Marks of Student

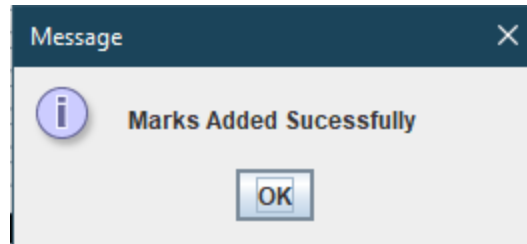
Select Roll Number

Select Semester

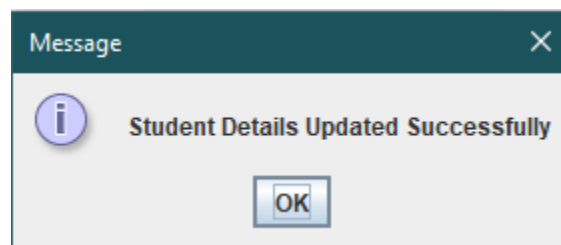
Enter Subject	Enter Marks
OOP	90
CA&DLD	94
Linear Algebra	89
Islamiat	85
OHS	99

Submit **Back**





▪ **OUTPUT (SCREENSHOT) FOR UPDATE STUDENT DETAILS WINDOW**

A screenshot of a web application window titled 'Update Student Details'. The window has a brown header bar with standard window controls (minimize, maximize, close). The main content area is light gray and contains a form. At the top, there is a label 'Select Roll Number' followed by a dropdown menu showing '15339698'. Below this, the form is organized into two columns. The left column contains labels and input fields for 'Name' (Ahmad Ramzan), 'Roll Number' (15339698), 'Address' (ParisCity,H-13,Islamabad), 'Email Id' (ahmadramzan@gmail.com), 'FSc %' (83), and 'Course' (Bachelors). The right column contains labels and input fields for 'Father's Name' (Mian Ramzan), 'Date of Birth' (Jul 29, 2003), 'Phone' (03320590308), 'MATRIC %' (78), 'CNIC Number' (6001173885661), and 'Branch' (Computer Science). At the bottom of the form, there are two buttons: 'Update' (blue text) and 'Cancel' (red text).

▪ **OUTPUT (SCREENSHOT) FOR UPDATE
TEACHER WINDOW**

Update Teacher Details

Select Employee Id

Name Dr.Kamran Khan Father's Name Nauman Khan

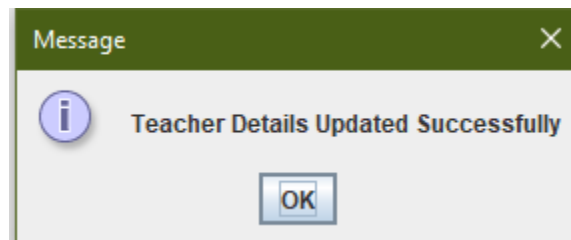
Employee Id 1014640 Date of Birth Sep 16, 1970

Address Phone

Email Id MATRIC'%' 85

FSc '%%' 76 CNIC Number 3460192345621

Education Department

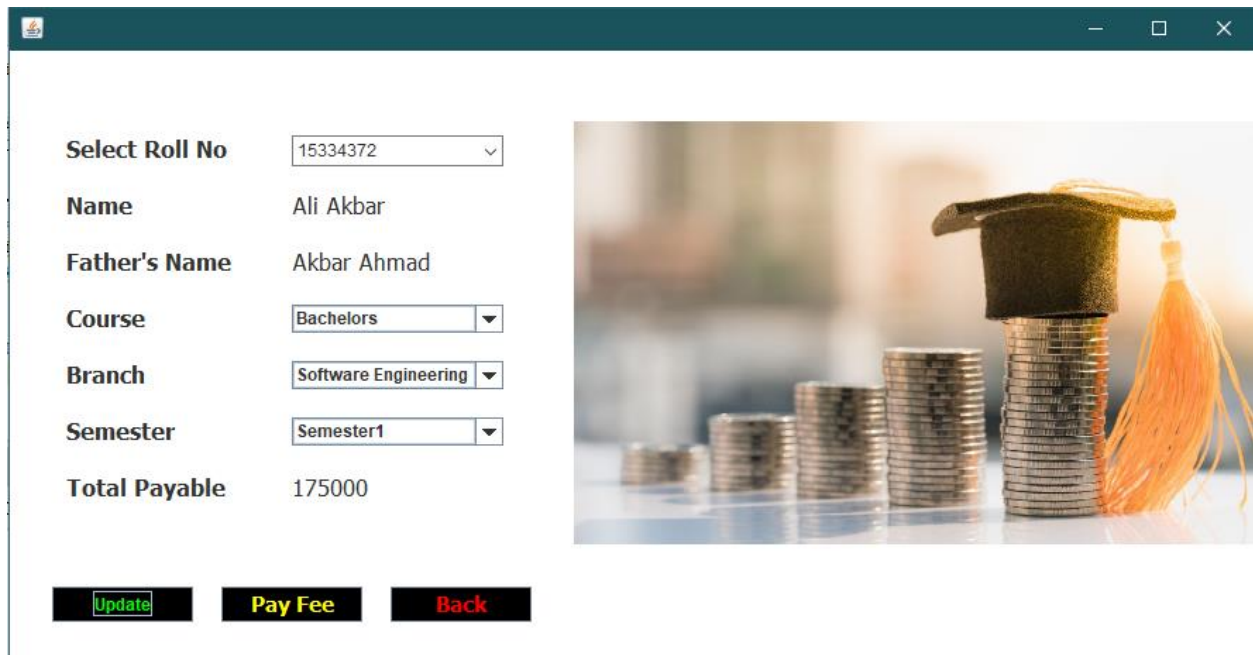


▪ **OUTPUT (SCREENSHOT) FOR FEE STRUCTURE
WINDOW**

Fee Structure

course	semester1	semester2	semester3	semester4	semester5	semester6	semester7	semester8
Bachelors	175000	124000	124000	124000	124000	124000	124000	124000
Masters	140000	95000	95000	95000				
PhD	135000	110000	10000	110000	100000	110000	110000	110000

▪ **OUTPUT (SCREENSHOT) FOR STUDENT FEE FORM WINDOW**



Select Roll No: 15334372

Name: Ali Akbar

Father's Name: Akbar Ahmad

Course: Bachelors

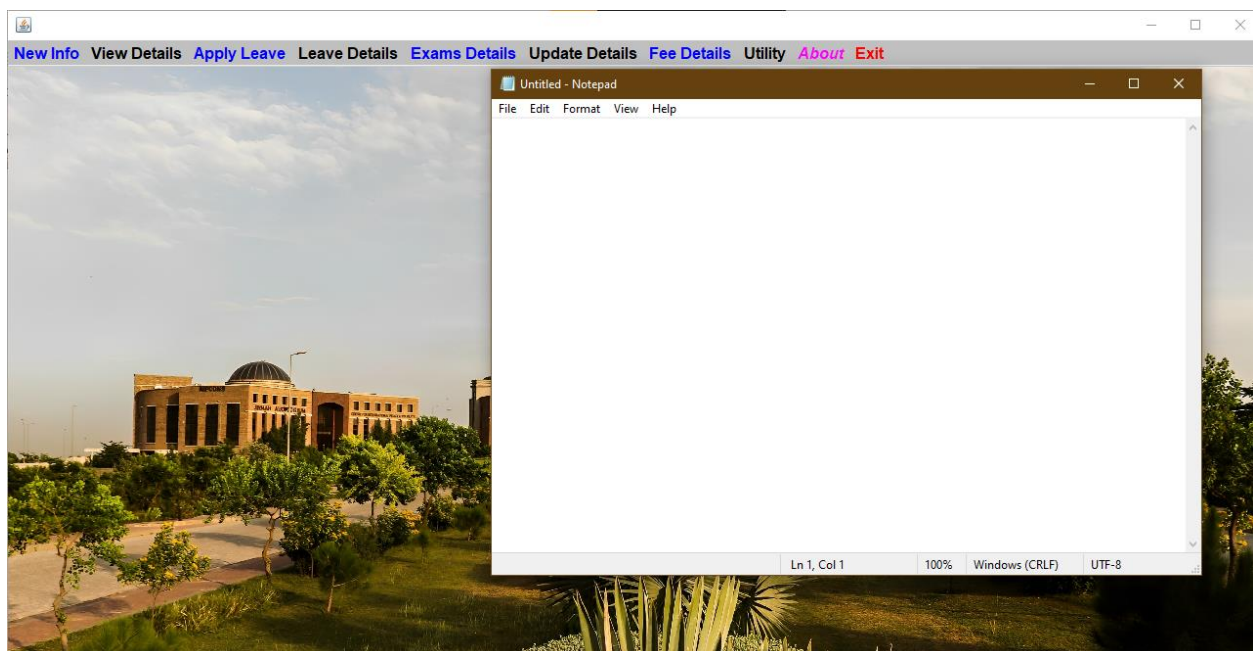
Branch: Software Engineering

Semester: Semester1

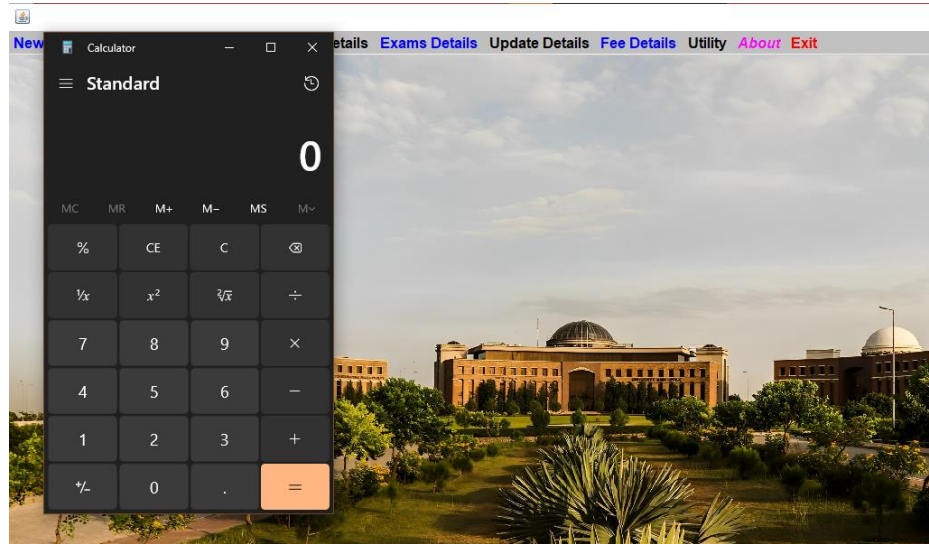
Total Payable: 175000

[Update](#) [Pay Fee](#) [Back](#)

▪ **OUTPUT (SCREENSHOT) FOR NOTEPAD WINDOW**



- **OUTPUT (SCREENSHOT) FOR CALCULATOR WINDOW**




- **OUTPUT (SCREENSHOT) FOR ABOUT DEV WINDOW**

A screenshot of a software window titled 'About Developer'. The window has a dark blue header bar with standard window controls. On the left is the logo of the National University of Sciences & Technology (NUST). On the right is a red circular logo featuring a book and a sword. The main content area is white and contains the following text:

Military College of Signals
Department of Software Engineering
Student Management System

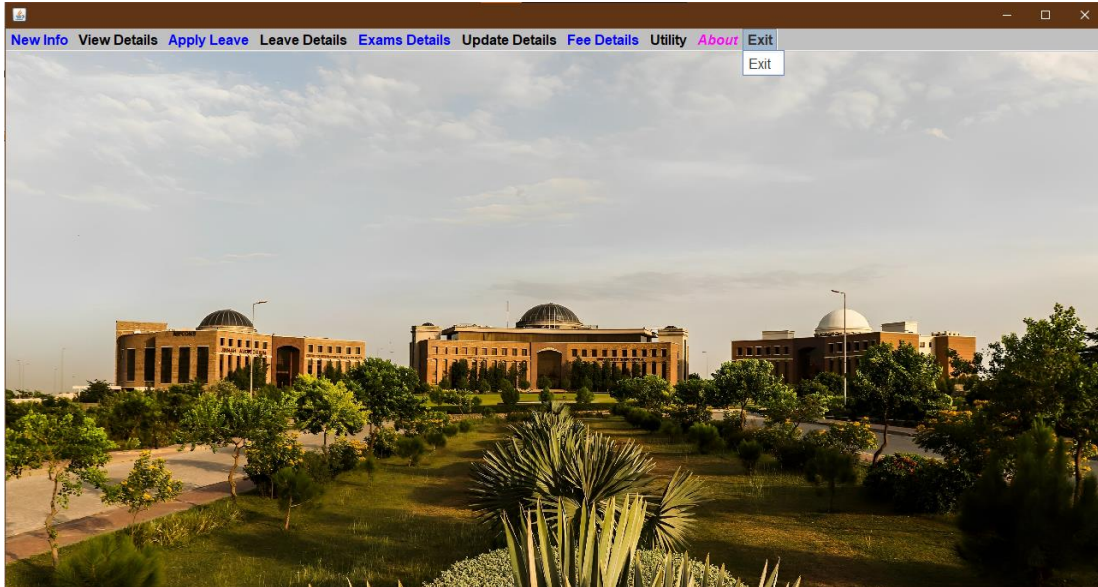
Developed By:
MUHAMMAD AHMAD SULTAN



CMS ID # : 408709
Batch: BESE-28 (C)

Contact Info
Email : m.ahmadsultan123mas@gmail.com
Phone : +92 306 1611301

■ OUTPUT (SCREENSHOT) FOR EXIT WINDOW



■ OUTPUT (SCREENSHOT) FOR DATABASE MYSQL CONNECTIVITY WINDOW

A screenshot of the MySQL Workbench interface. The top menu bar includes File, Edit, View, Query, Database, Server, Tools, Scripting, and Help. The left sidebar has sections for MANAGEMENT (Server Status, Client Connections, Users and Privileges, Status and System Variables, Data Export, Data Import/Restore), INSTANCE (Startup / Shutdown, Server Logs, Options File), and PERFORMANCE (Dashboard, Performance Reports, Performance Schema Setup). The main area shows a SQL editor with a file named 'SQL File 9'. The editor contains 16 lines of SQL code:

```
1
2 • create database collegemanagementsystem;
3 • use collegemanagementsystem;
4 • create table login(username varchar(25), password varchar(25));
5 • insert into login values('mas', 'mas03');
6 • create table student(name varchar(40), fname varchar(40), rollno varchar(20), dob varchar(40), address varchar(100), p
7 • create table teacher(name varchar(40), fname varchar(40), empId varchar(20), dob varchar(40), address varchar(100), ph
8 • create table studentleave(rollno varchar(20), date varchar(50), duration varchar(20));
9 • create table teacherleave(empId varchar(20), date varchar(50), duration varchar(20));
10 • create table subject(rollno varchar(20), semester varchar(20), subject1 varchar(50), subject2 varchar(50), subject3 va
11 • create table marks(rollno varchar(20), semester varchar(20), marks1 varchar(50), marks2 varchar(50), marks3 varchar(50)
12 • create table fee_(course varchar(20), semester1 varchar(20), semester2 varchar(20), semester3 varchar(20), semester4 v
13 • insert into fee_ values("Bachelors", "175000", "124000", "124000", "124000", "124000", "124000", "124000", "124000");
14 • insert into fee_ values("Masters", "140000", "95000", "95000", "95000", "", "", "", "");
15 • insert into fee_ values("PhD", "135000", "110000", "10000", "110000", "100000", "110000", "110000", "110000");
16 • create table collegefee(rollno varchar(20), course varchar(20), branch varchar(20), semester varchar(20), total varia
```

The right sidebar shows 'SQL Additions' with a 'CREATE DATABASE Syntax' section. It explains that 'CREATE DATABASE' creates a database with a given name and that 'CREATE SCHEMA' is a synonym for 'CREATE DATABASE'. It also includes a link to 'Online help create-database'. The bottom of the interface shows an 'Output' tab with 'Action Output' selected, displaying a table with columns: #, Time, Action, Message, and Duration / Fetch. The table is currently empty, and the status 'No object selected' is shown on the left.

CONCLUSION

The project entitled as Institution Management System is the system that deals with the issues related to a particular institution.

This project is successfully implemented with all the features mentioned in system requirements specification.

The application provides appropriate information to users according to the chosen service.

The project is designed keeping in view the day to day problems faced by a college.

Deployment of our application will certainly help the college to reduce unnecessary wastage of time in personally going to each department for some information.

Awareness and right information about any college is essential for both the development of student as well as faculty. So this serves the right purpose in achieving the desired requirements of both the communities.

- **Signature of the student:**_____
- **Name of the Instructor:** **LE Muhammad Asif**
- **Signature of the Instructor :**_____

THE END