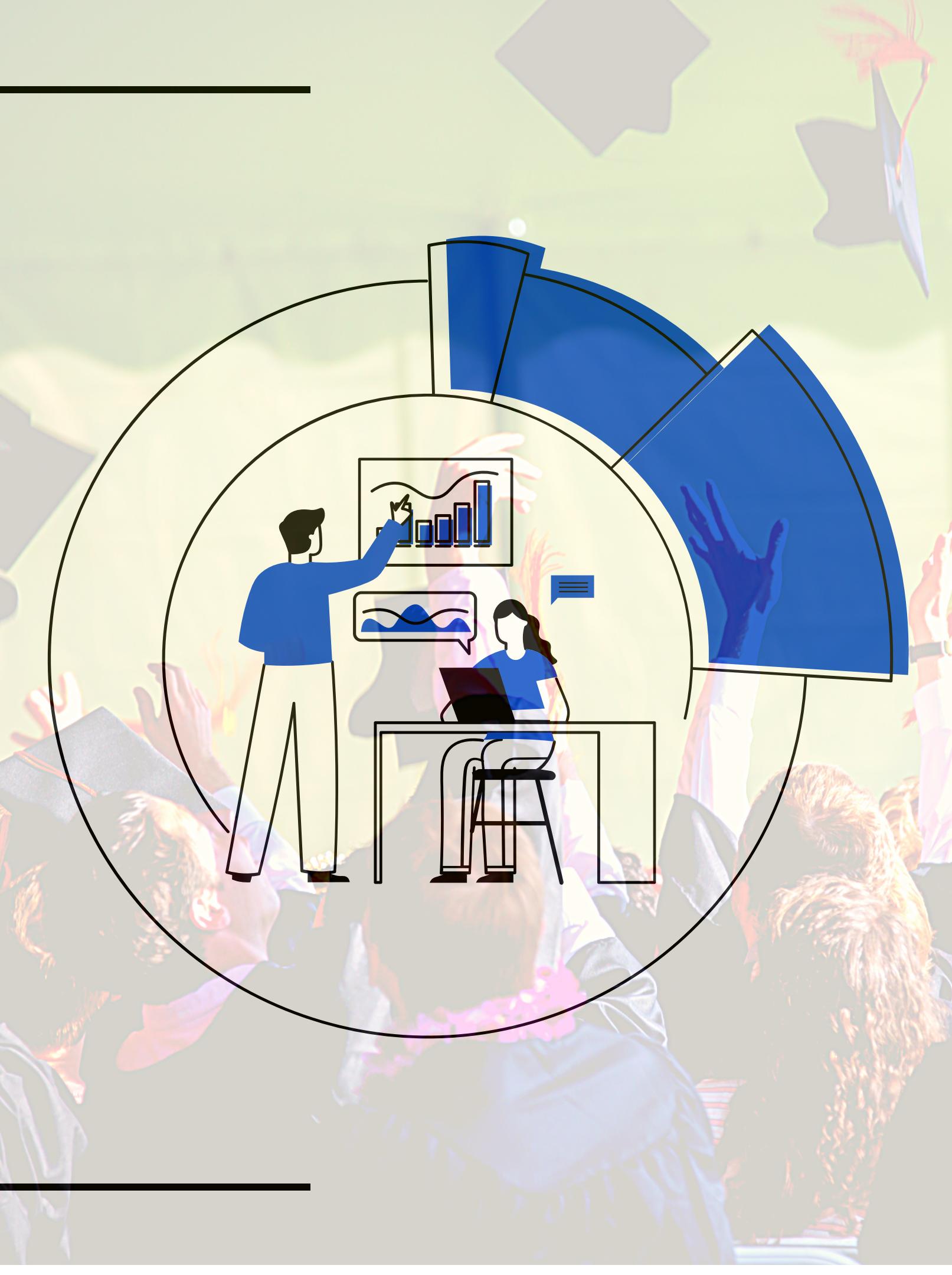


A MINI PROJECT ON

UNIVERSITY MANAGEMENT SYSTEM

UNDER GUIDANCE OF :- MR. CHHITEESH RAI





ITM COLLEGE OF MANAGEMENT

GIDA, Gorakhpur (U.P)

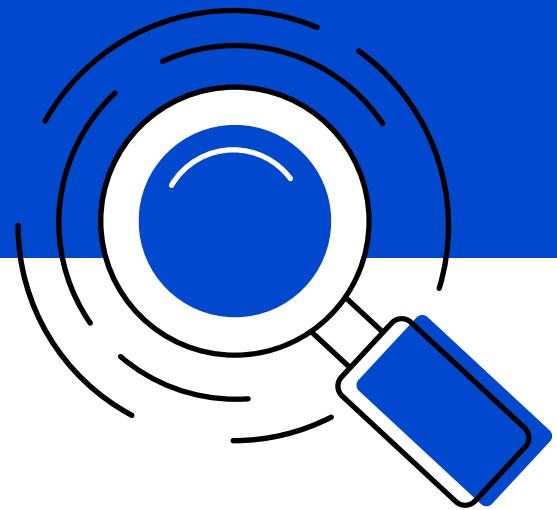
Submitted By:

**Divya Prakash Tripathi
Neeteesh Sharma
Dheeraj Nishad**

Submitted To:

Ratnesh Kumar Pandey

Highlights



- Introduction
- Objectives
- Key Features
- Modules
- User Interface
- Data Flow Diagram
- Security
- Limitations
- Scope
- Summary



PROJECT INTRODUCTION

Understanding Project

University Management System aims at providing the compatibility to simplify the process of information management and handling in Universities. This system consists of a multiple-login page that explicitly authorizes users based on their roles. It is beneficial for the Admin, Students, and Teachers to manage their tasks. The software system allows the Students to view their information along with Interactive classes, assignments, library etc.



PROJECT INTRODUCTION

Understanding Project

The Admin can check each individual records and manage it accordingly. Dynamic Navigations & Controls are used to makes it efficient, fast and scalable. Student and Teachers can access information from anywhere all over the world. Admin has full control over the application, hence guaranteed security. It is a component-based application, splitted into modules for various University Management Section like Transport, Hostel, Accounts, Examination, Library etc.



OBJECTIVES



USER-FRIENDLY GUI

Easy to use user interface with dedicated navigations for modules.

ENHANCED SECURITY

Built at Administrative end and thus only Admin is guaranteed the access.

TO-DO TOOL

Have built-in Task Reminder to make task management easier.



PROJECT FEATURES



✓ Features

- Manages Records and Operation
- Role Based Login System
- Component Based Application
- Print and Export Reports
- Dynamic User Interface
- E-library for Students
- Full Control to Admin
- Automatic Attendance System
- Transport Route Info with fares
- Invoice Printing
- Notification for Assignments
- Disable Students with One Click



MODULES

UNIVERSITY MANAGEMENT SYSTEM

ADMIN DASHBOARD

- Teacher Management
- Student Management
- Transport Management
- Library Management
- Accounts Management
- Attendence Management
- Examination System
- Notice

TEACHER DASHBOARD

- Subjects
- Assign Works
- Students Attendance
- Syllabus Report
- Students Report
- Update Profile
- Apply Leave

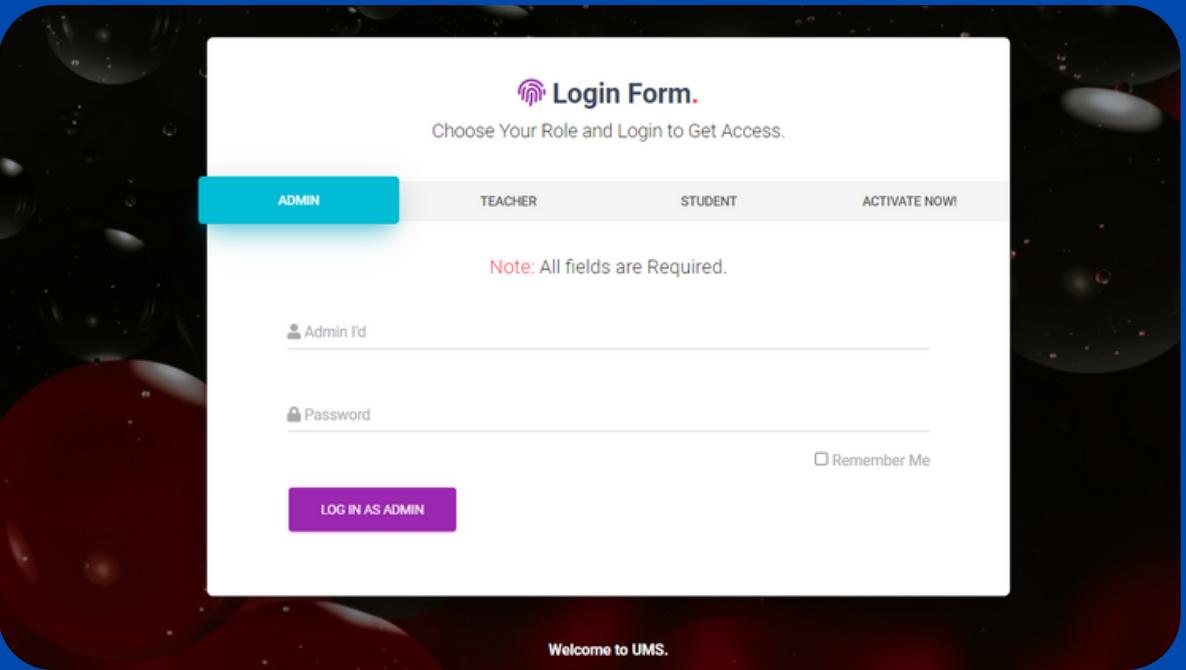
STUDENT DASHBOARD

- E-Library Access
- View Fee Details
- View Profile
- Raise Queries
- View Attendance Reports
- View Syllabus Reports
- Print Invoice
- Apply Leave

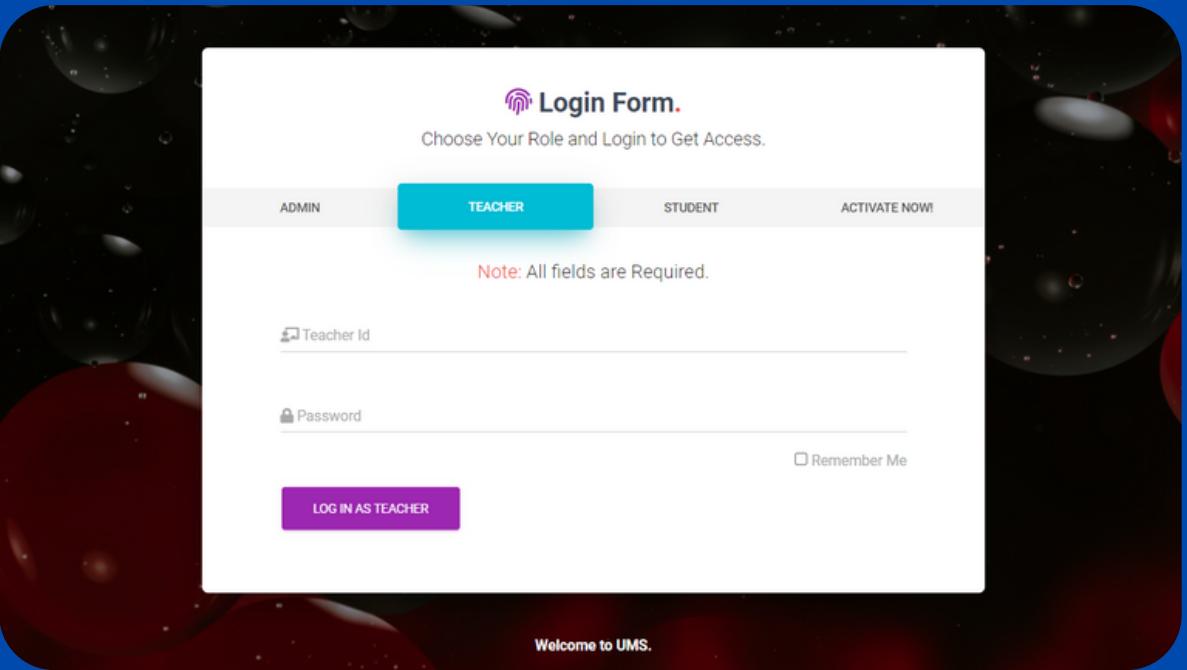


User-Interface : ScreenShots

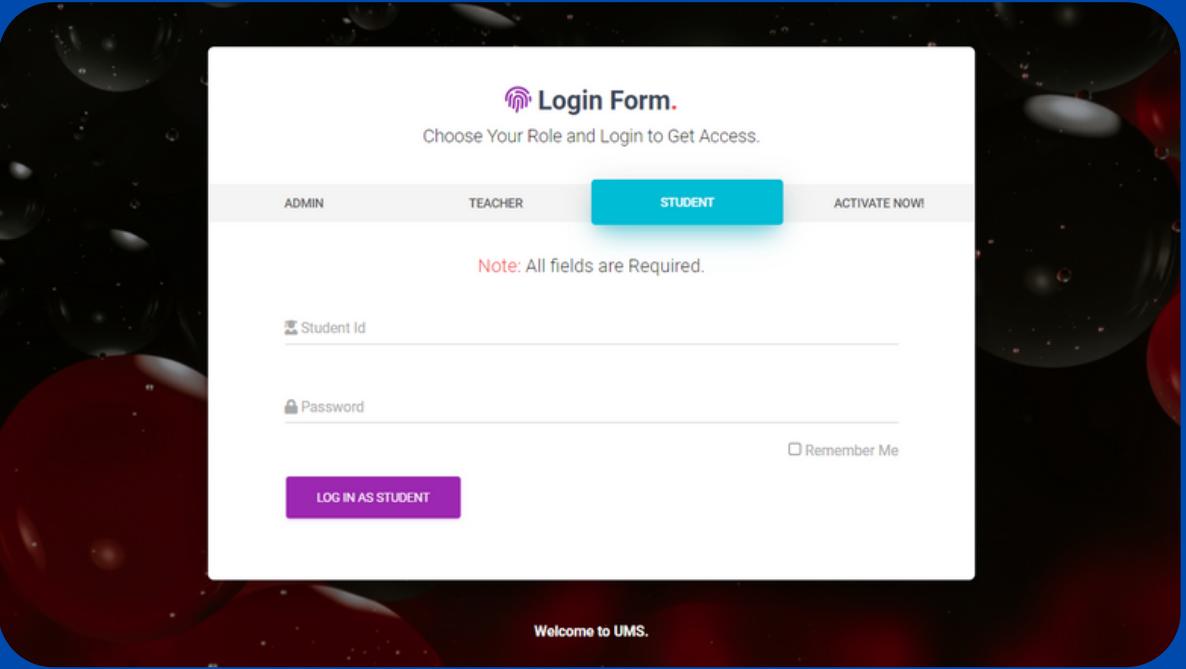
University Management System Login System Screenshot



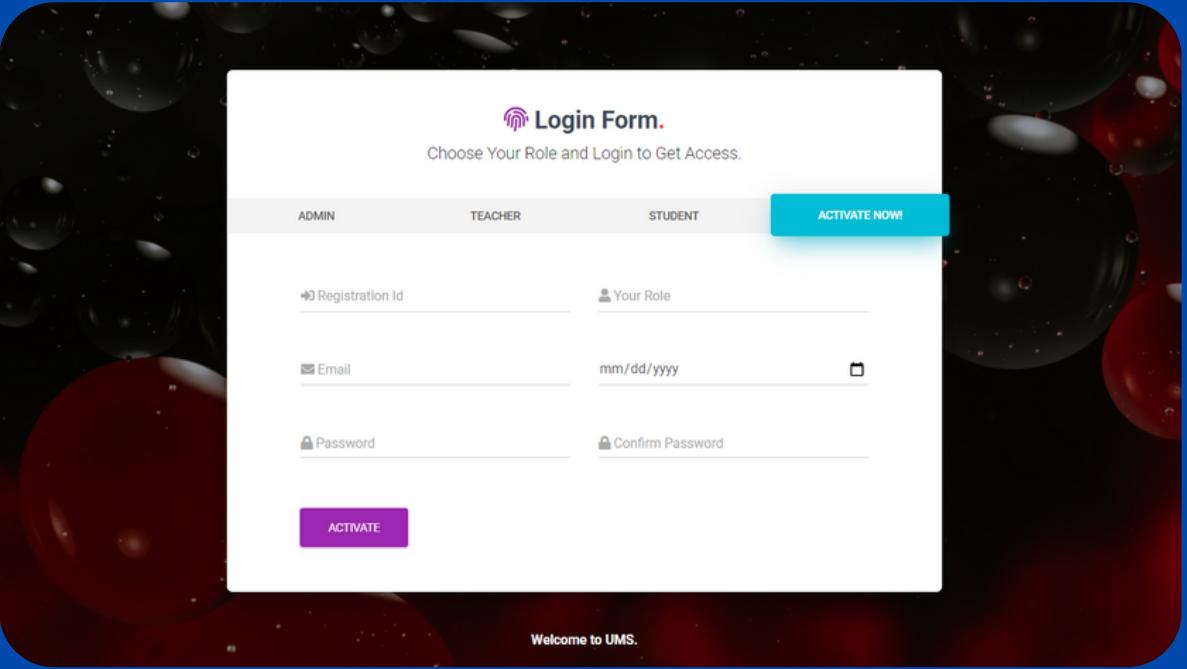
The screenshot shows the login form for the Admin role. The title bar says "Login Form." and "Choose Your Role and Login to Get Access." Below this, there are four tabs: "ADMIN" (which is selected and highlighted in blue), "TEACHER", "STUDENT", and "ACTIVATE NOW!". A note at the top states "Note: All fields are Required." There are two input fields: "Admin Id" and "Password". A "Remember Me" checkbox is present. At the bottom is a purple "LOG IN AS ADMIN" button.



The screenshot shows the login form for the Teacher role. The title bar says "Login Form." and "Choose Your Role and Login to Get Access." Below this, there are four tabs: "ADMIN", "TEACHER" (which is selected and highlighted in blue), "STUDENT", and "ACTIVATE NOW!". A note at the top states "Note: All fields are Required." There are two input fields: "Teacher Id" and "Password". A "Remember Me" checkbox is present. At the bottom is a purple "LOG IN AS TEACHER" button.



The screenshot shows the login form for the Student role. The title bar says "Login Form." and "Choose Your Role and Login to Get Access." Below this, there are four tabs: "ADMIN", "TEACHER", "STUDENT" (which is selected and highlighted in blue), and "ACTIVATE NOW!". A note at the top states "Note: All fields are Required." There are two input fields: "Student Id" and "Password". A "Remember Me" checkbox is present. At the bottom is a purple "LOG IN AS STUDENT" button.



The screenshot shows the activation form. The title bar says "Login Form." and "Choose Your Role and Login to Get Access." Below this, there are four tabs: "ADMIN", "TEACHER", "STUDENT", and "ACTIVATE NOW!" (which is selected and highlighted in blue). There are four input fields: "Registration Id", "Your Role", "Email", and "mm/dd/yyyy". There are also "Password" and "Confirm Password" fields, along with a date picker icon. At the bottom is a purple "ACTIVATE" button.



User-Interface : ScreenShots

University Management System Admin Dashboard Screenshot

This screenshot shows the Admin Dashboard. It features three main summary cards: 'Total Students' (7), 'Total Teachers' (2), and 'Fee Collected' (₹ 480). Below these are sections for 'Team Reports' and 'New Student List'. The 'New Student List' table includes columns for S.No., Profile, Student Id, Name, Course, E-Mail, and Status. The status column contains green buttons labeled 'Active'.

This screenshot shows the Student Management System. It displays four main buttons: 'Add Student', 'Remove Student', 'Update Student', and 'View Student'. The 'Add Student' form is active, requiring fields like Student Name*, Reg. ID*, Gender*, Date of Birth*, Adhaar Number*, Student's Contact*, Father's Name*, Mother's Name*, Email*, Permanent Address*, City*, Pin*, Board, Percentage, and Year of Passing. A placeholder image of a student is shown on the right.

This screenshot shows the Student Management System. It displays four main buttons: 'Add Student', 'Remove Student', 'Update Student', and 'View Student'. The 'Update Student' form is active, requiring fields like Student Name*, Reg. ID*, Gender*, Date of Birth*, Adhaar Number*, Student's Contact*, Father's Name*, Mother's Name*, Email*, Permanent Address*, City*, Pin*, Board, Percentage, and Year of Passing. A placeholder image of a student is shown on the right.

This screenshot shows the Library Management System. It features four main buttons: 'Add Book', 'Remove Book', 'Update Book', and 'View Books'. The 'View Books' section shows a circular thumbnail of an open book. Below it is a search form with fields for Book Name, Book Author Name, Total Pages, Books Quantity, Book Category, and Branch. A large image of a library interior with bookshelves and a quote 'Open a Book to Open Your Mind!' is displayed on the left.

This screenshot shows the Hostel Management System. It features four main buttons: 'Add Room', 'Manage Room', 'Add Student/Alloc Room', and 'Manage Students'. The 'Add Room' form is active, requiring fields for Name, Category, Room Type, Building, Block, and Status. Below it is a table listing rooms with columns for Name, Category, Room Type, Building, Block, and Status. The table shows rows for Room 201, Room 103, Room 104, Room 105, Room 107, and Room 108.

This screenshot shows the Transport Management System. It features four main buttons: 'Add Transport', 'Manage Transport', 'Register Student', and 'Manage Students'. The 'Add Transport' form is active, requiring fields for Vehicle Name, Driver Name, Driver Contact, Route, Start Time, and Type. The 'Type' dropdown is set to 'Bus'. Below it is a table listing vehicles with columns for Vehicle Name, Driver Name, Driver Contact, Route, Start Time, and Seating Capacity. The table shows a single row for a Bus.

User-Interface : ScreenShots

University Management System Admin Dashboard Screenshot

This screenshot shows the 'Teachers Attendance' section of the Admin Dashboard. It includes a search bar for 'Students Details' and a table with columns: Id, Image, Reg. Id, Name, Department, Punch In, Date, Status, and Action. The table lists three entries:

Id	Image	Reg. Id	Name	Department	Punch In	Date	Status	Action
1		AKANB021	Akanksha Tripathi	Dpharma	2021-07-07 03:22:07	07-07-2021	Pending!	<input checked="" type="checkbox"/> <input type="checkbox"/>
2		ADIT7867	Aditya Prakash Tripathi	BTech	2021-07-07 03:22:08	07-07-2022	Pending!	<input checked="" type="checkbox"/> <input type="checkbox"/>
3		ADIT7867	Aditya Prakash Tripathi	BTech	2021-07-07 03:22:09	07-07-2021	Pending!	<input checked="" type="checkbox"/> <input type="checkbox"/>

This screenshot shows the 'Students Attendance' section of the Admin Dashboard. It includes a search bar for 'Students Details' and a table with columns: S. No, Image, Registration No., Name, Father Name, Course, and Status. The table lists seven entries:

S. No	Image	Registration No.	Name	Father Name	Course	Status
1		DIVY4180	Divya prakash tripathi		BI	Absent
2		NIKH4714	nikhil		BCA	Present
3		DIVY7575	Divya Prakash Tripathi	Ravi Prakash Tripathi	Bpharma	Absent
4		ADIT8795	Aditya Prakash Tripathi	R. P Tripathi	Polytechnic Civil	Present
5		DIVY2039	Divya prakash tripathi	dsgsdg	Dpharma	Present
6		SHIV4490	Shivam Singh	SSSS	Dpharma	Select
7		SSS6904	sss	qwdqwd	Bpharma	<input checked="" type="checkbox"/> Present <input type="checkbox"/> Absent

This screenshot shows the 'Weekly Menu' and 'Complaints Register' sections of the Admin Dashboard. The 'Weekly Menu' table lists meals for Monday through Sunday. The 'Complaints Register' section includes fields for Student Id, Complain, Enter Your Message, and Register Complain.

Day	Breakfast	Lunch	Snacks	Dinner
Monday	Banana Milk & Tea Methi Parantha & White Matar	Kofta Arhar Dal Roti Chawal	Tea Samosa	Dum Aloo Palak Urad Dal Roti Chawal
Tuesday	Banana Milk & Tea Methi Parantha & White Matar	Kofta Arhar Dal Roti Chawal	Tea Samosa	Dum Aloo Palak Urad Dal Roti Chawal
Wednesday	Banana Milk & Tea Methi Parantha & White Matar	Kofta Arhar Dal Roti Chawal	Tea Samosa	Dum Aloo Palak Urad Dal Roti Chawal
Thursday	Banana Milk & Tea Methi Parantha & White Matar	Kofta Arhar Dal Roti Chawal	Tea Samosa	Dum Aloo Palak Urad Dal Roti Chawal
Friday	Banana Milk & Tea Methi Parantha & White Matar	Kofta Arhar Dal Roti Chawal	Tea Samosa	Dum Aloo Palak Urad Dal Roti Chawal
Saturday	Banana Milk & Tea Methi Parantha & White Matar	Kofta Arhar Dal Roti Chawal	Tea Samosa	Dum Aloo Palak Urad Dal Roti Chawal
Sunday	Banana Milk & Tea Methi Parantha & White Matar	Kofta Arhar Dal Roti Chawal	Tea Samosa	Dum Aloo Palak Urad Dal Roti Chawal

This screenshot shows the 'In/Out Register' section of the Admin Dashboard. It includes a search bar for 'Student Id' and two buttons: OUT and IN. Below is a table of student check-in and check-out times:

Student Id	Out Time	In Time	Time Spend in Minutes
DIVY4180	2021-06-19 09:42:59pm	2021-06-19 11:23:50pm	1 Hours 40 Minutes 51 Seconds
DIVY4181	2021-06-19 09:42:54pm	2021-06-19 11:23:30pm	1 Hours 40 Minutes 36 Seconds
DIVY4180	2021-06-19 09:42:42pm	2021-06-19 11:23:50pm	1 Hours 41 Minutes 8 Seconds
DIVY4180	2021-06-19 09:38:25pm	2021-06-19 11:23:50pm	1 Hours 45 Minutes 25 Seconds
DIVY4180	2021-06-19 09:31:03pm	2021-06-19 11:23:50pm	1 Hours 52 Minutes 47 Seconds
DIVY4180	21	waiting...	
DIVY4180	2021-06-19 07:06:14pm	2021-06-19 11:23:50pm	4 Hours 17 Minutes 36 Seconds
DIVY4180	2021-06-19 06:10:11pm	2021-06-19 11:23:50pm	5 Hours 13 Minutes 39 Seconds
DIVY4180	2021-06-19 06:10:11pm	2021-06-19 11:23:50pm	5 Hours 13 Minutes 39 Seconds
DIVY4180	2021-06-19 06:10:11pm	2021-06-19 11:23:50pm	5 Hours 13 Minutes 39 Seconds
DIVY4180	2021-06-19 06:10:11pm	2021-06-19 11:23:50pm	5 Hours 13 Minutes 39 Seconds

This screenshot shows the 'Library Management System' section of the Admin Dashboard. It includes buttons for Add Book, Remove Book, Update Book, and View Books. Below is a table of books:

Book Id	Book Name	Edition	Author	Category	Branch	Update	Remove
BOOK2223	Book 1	1st Edition	Author 2	Category 2	45	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BOOK6009	Book 2	2nd Edition	Author 2	Category 2	Branch 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BOOK6066	Book 3	3rd Edition	Author 3	Category 3	Branch 3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BOOK7321	Book 1	1st Edition	Author 1	Category 1	Branch 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>

This screenshot shows the 'E-Library' section of the Admin Dashboard. It features a large image of a library interior, a search bar, and a table with columns for Student Id, Name, and Author. At the bottom, there are buttons for Return and Reset.

div	Student Id	Name	Author
	DIVY4180	Divya prakash tripathi	
	BOOK2223	Author 2	
	05-07-2021(2Days)	Rs. 0	

User-Interface : ScreenShots

University Management System Teachers Dashboard Screenshot

This screenshot shows the E-Library section of the Teacher Dashboard. It features a sidebar with a list of books to read. In the main area, there is a form for asking questions. A recent question is displayed: "Ques.1: What is Science?". Below it, there is a "See Answer" button.

This screenshot shows the "Fine Payment Details" section. It displays a table with a single row for student ID "NIKH4714" with an amount of "605". There is a "Pay Now!" button next to the amount.

This screenshot shows the "Teacher Profile" section. It includes fields for registration number, name, contact number, father's name, city name, and department. It also shows a profile picture of the teacher and their address: "H.no 784b Ravi prakash tripathi Bichhiya saraswatipuram".

This screenshot shows the "Syllabus Update" and "Development Approach" sections. The syllabus update part has fields for course, subject, and year. The development approach part shows progress bars for various subjects like C++, WEB DEVELOPMENT, B LANGUAGE, and C LANGUAGE.

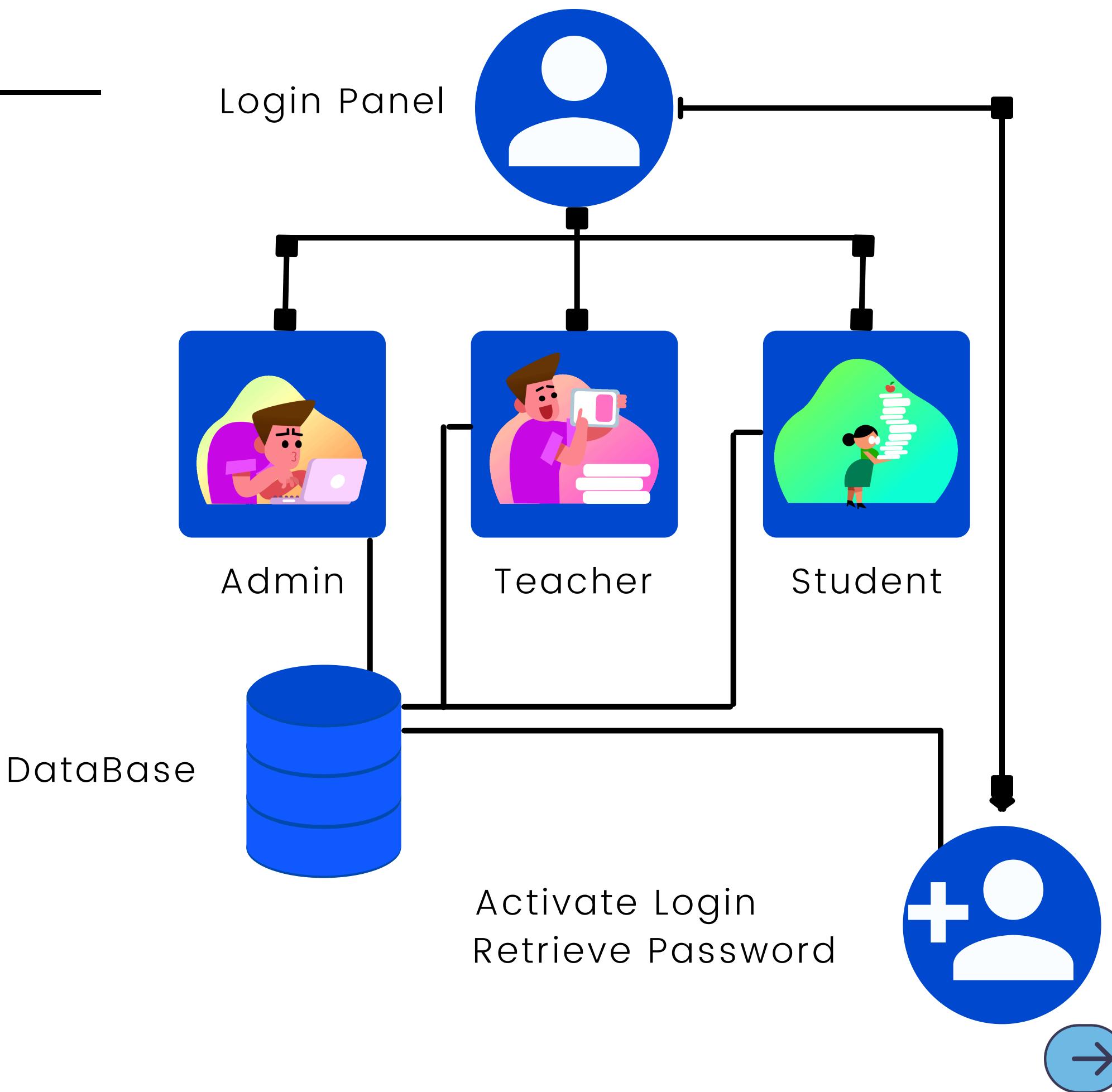
This screenshot shows the "Fee Details" and "Payment Details" sections for student ID DIVY4180. The fee details table shows fees for Course Fee, Hostel Fee, Transport Fee, and Library Fine. The payment details table shows total amount, amount paid, last paid date, and amount left.

This screenshot shows the "Assignment / PHARMACEUTICS" and "Work List / PHARMACEUTICS" sections. It includes fields for assignment type, assignment number, and submission date. The work list section lists various assignments and homework items.

Data Flow Diagram

LOGIN PANEL

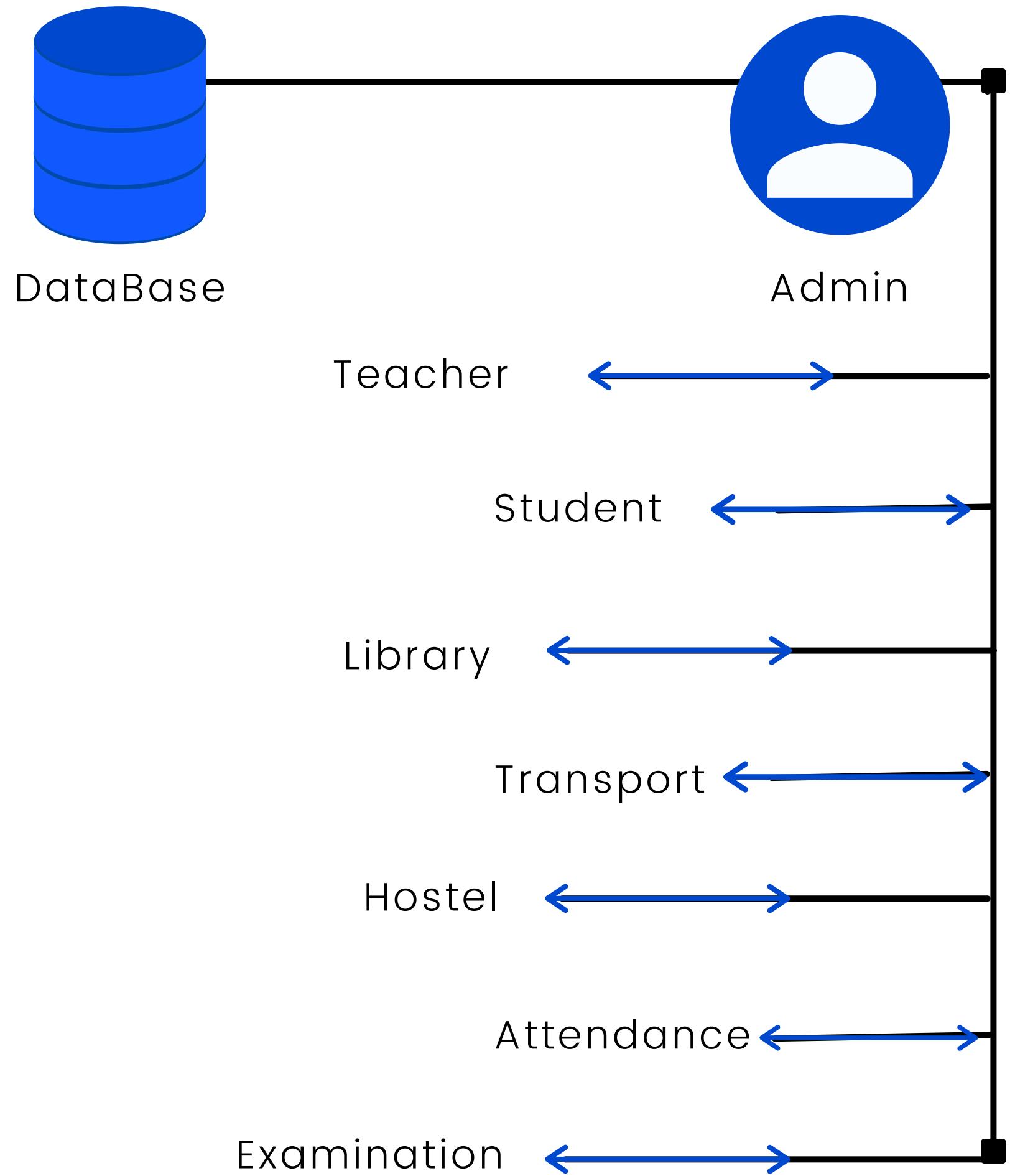
- » Multi-User Login
- » Validation with JavaScript
- » Enhanced Security
- » Good User Interface
- » Register with Details



Data Flow Diagram

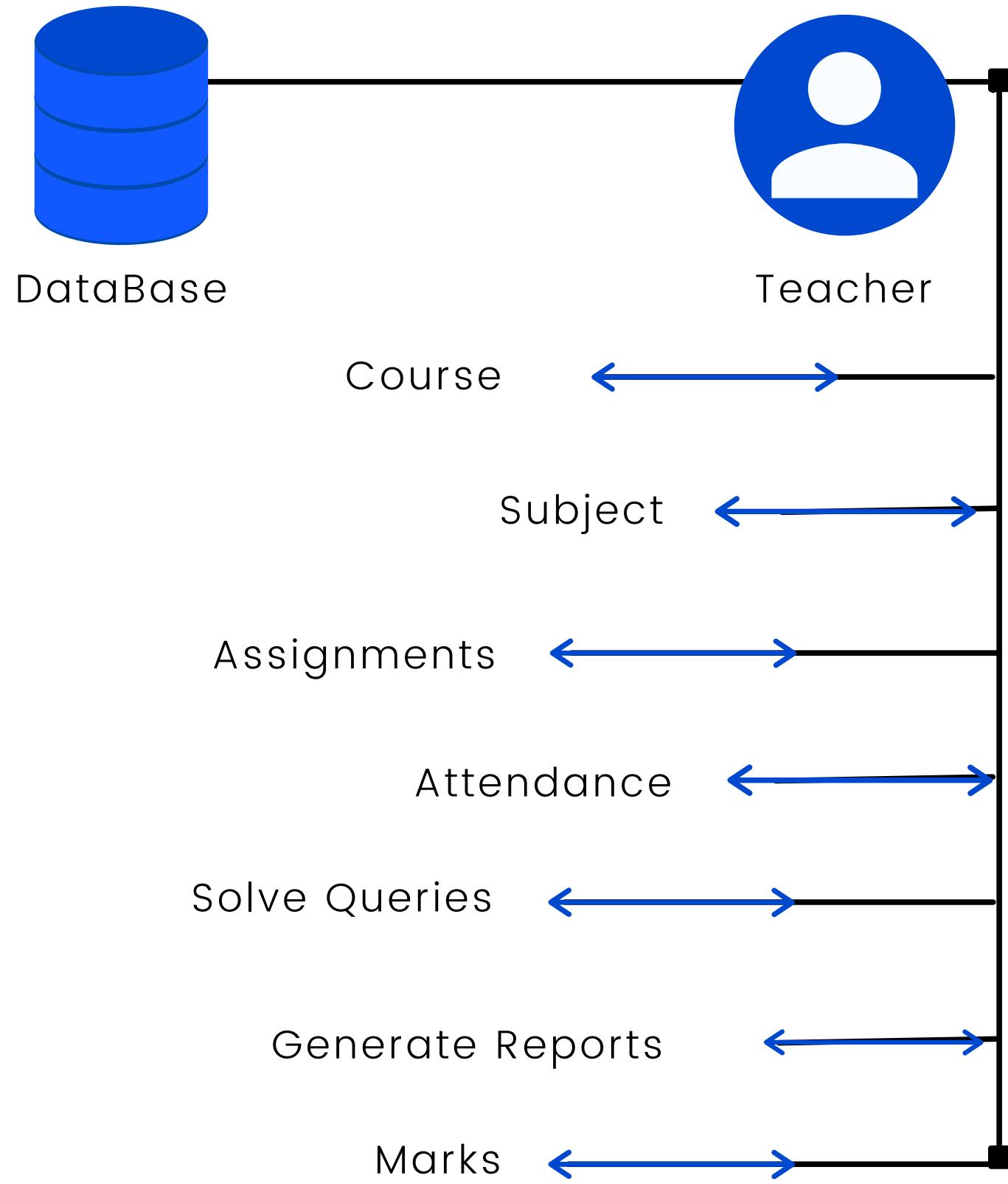
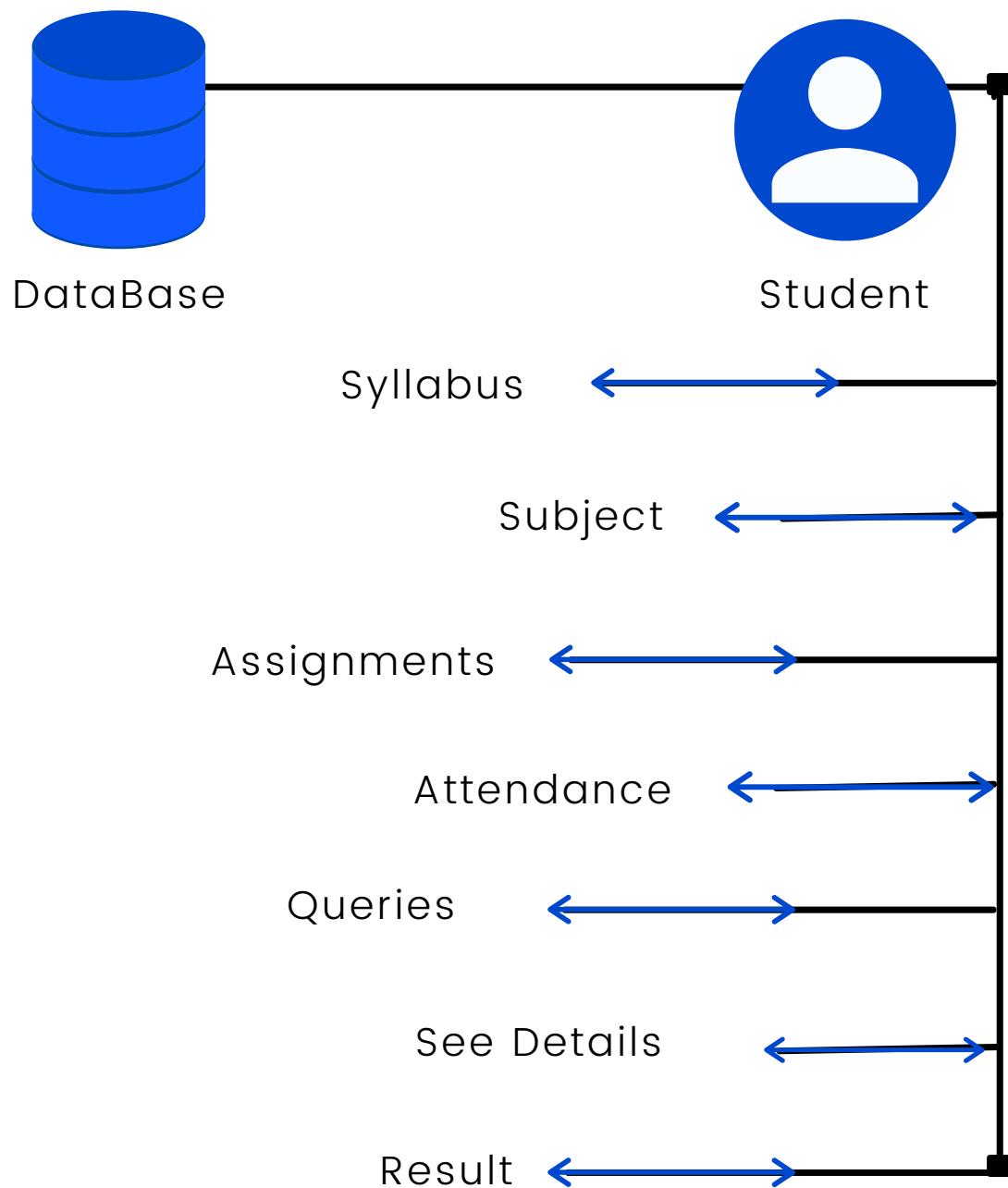
ADMIN PANEL

- »» CRUD Data & Informations
- »» Ensure No Redundancy
- »» Unique Identity
- »» Good User Interface
- »» Document Upload
- »» Full Admin Control



Data Flow Diagram

TEACHER & STUDENT



Security

- USER CREDENTIALS ARE USED TO GET ACCESS ACCOUNTS
- FULL CONTROL TO ADMIN
- DISABLE OPTION FOR USERS
- ACCOUNT ACTIVATION IS DONE BY ENTERING MULTIPLE CREDENTIALS
- EACH USER HAS ITS PERSONAL SPACE AND DEFINED ACCESS



Hardware Requirements

TO RUN PROJECT

HARDWARE	SPECIFICATIONS
Operating System	Pentium IV or Higher 1.5 GHz
RAM/ HardDisk	1GB or Higher / 10 GB or Higher
S/w & DataBase	VS Code, Xampp Server, Chrome Browser / MySQL

PROJECT LIMITATIONS

INTERNET CONNECTION

Internet connection is mandatory to use the application

INFORMATIONS DEPENDENT

Incorrect Entries may confuse Algorithms and Functions

PAYMENT OPTIONS

No Payment Gateway is Installed inorder to make online payments.



FUTURE SCOPE OF PROJECT

■ EXAMINATION

Examination System
Should be Improvise for
Online Exams.

■ DOC UPLOAD

Multiple File upload
option to share study
Materials.

■ LIVE CLASSES

Can be Upgraded with
Live Interactive Classes.

■ E-MAIL & CHAT

Ensure Better Management
with Realtime chat and Email
Support

UNIVERSITY MANAGEMENT SYSTEM



FUTURE SCOPE OF PROJECT

■ SINGLE PAGE

Single Page Application
with Angular JS

■ ANDROID ACCESS

Making Site Fully Responsive
to use in Android platform

■ ENCRYPTION

Storing Passwords in
Encrypted Form

■ BACKUP

Generates DataBase Backup
in a Interval of Time

UNIVERSITY MANAGEMENT SYSTEM



References

- » <https://stackoverflow.com/>
- » <https://www.codegrepper.com/>
- » <https://getbootstrap.com/>
- » <https://www.google.com/>





Summary

- » Introduction
- » Objectives
- » Features
- » Modules
- » User Interface
- » Flow Chart
- » Limitations
- » Scope

University
Management System



UNIVERSITY MANAGEMENT SYSTEM

PRESENTED BY:

DIVYA PRAKASH TRIPATHI

THANKYOU!