



H. J. THIM TRUST'S  
**THEEM COLLEGE OF ENGINEERING**

A CAPSTONE PROJECT

REPORT ON

**“ACADEMIC HUB”**

PROJECT WORK SUBMITTED IN PARTIAL FULFILLMENT OF  
THE REQUIREMENTS FOR THE AWARD OF DIPLOMA.

SUBMITTED BY

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UNDER THE GUIDANCE OF

**“PROF. MOHAMMED RAZA BAIG”**



**DEPARTMENT OF COMPUTER ENGINEERING  
MAHARASHTRA STATE BOARD OF TECHNICAL  
EDUCATION  
ACADEMIC YEAR (2024-2025)**

## **DEPARTMENT OF COMPUTER ENGINEERING**

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(Approved By AICTE New Delhi, Government of Maharashtra & DTE, Affiliated to University of Mumbai & MSBTE)

Awarded ‘B+’ Grade by NAAC



### **Certificate**

**This is to certify that the report has been submitted by the following students.**

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This project work has been completed by Final Year Students Of course Computer Department having title Health Care Management System during the academic year 2024-2025. This project was completed in a group consisting of four people under the guidance of the Faculty Guide.

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#### **Principal**

(Dr. Sayyad Layak)

**Name & Signature of External Examiner**

## **DECLARATION**

We declare that this written submission represents our ideas in our own words and where others' ideas or words have been included. We have adequately cited and referenced the original sources. We also declared that we adhered to all principals of academics honestly and integrity have not misrepresented or fabricated or falsified any idea/data/fact sources in our submission. We understand that any violation of the above will be cause for disciplinary action by the institute and can also evoke penal action from the source which has thus not been properly cited from whom proper permission has not been taken when needed.

MOHD.HUSSAIN SHAIKH  
SHARVIL RAUT  
YUG BARI  
SUJAL CHAMPANERI

## **ACKNOWLEDGEMENT**

The success and final outcome of this project required a lot of guidance and assistance from many people, and we are extremely privileged to have all this along the completion of our project. All that we have accomplished is only due to such supervision and assistance and we would not forget to thank them.

We owe our deep gratitude to our project guide **Prof. Mohammed Raza Baig** who took keen interest in our project work and guided us all along, till the completion of our project by providing all the necessary information for developing a good system.

We respect and thank **Prof. Mohammed Raza Baig** Project Coordinator and **Prof. Mrunali Kokate, HOD, Computer Engineering**, for providing us an opportunity to do the project work on **ACADEMIC HUB** and giving us all support and guidance, which made us complete the project duly. We are extremely thankful to him for providing such guidance support and guidance, although he had a busy schedule managing the corporate affairs.

We would not forget to remember **Dr.Sayyad Layak, Principal, Theem College of Engineering**. Boisar, for his encouragement and more over for his timely support and guidance till the completion of our project work.

We are thankful that we are fortunate enough to get constant encouragement, support and guidance from all teaching staffs which helped us in successfully completing our project work. Also, we would like to extend our sincere esteem to all staff in laboratory for their timely support.

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## **ABSTRACT**

In the era of digital transformation, **Academic Hub** aims to revolutionize the way educational institutions manage administrative tasks, attendance, and student progress. This project introduces a comprehensive platform that enables seamless administration, monitoring, and interaction between students, staff, and administrators. By leveraging web technologies, database management, and a **responsive design**, the system provides a **user-friendly** interface for **managing academic records, tracking student performance, and ensuring efficient communication.**

The core objective of this project is to enhance **institutional efficiency** by providing a **structured, automated, and secure** solution for academic management. The system is designed to address the evolving needs of **schools and colleges**, ensuring **data security, accuracy, and accessibility**. Key features include **role-based access control, real-time attendance updates, student performance tracking, and a feedback system for conflict resolution.**

The Academic Hub project represents a **significant advancement in educational management**, offering an **organized and efficient** solution for handling staff, student records, and class organization. Utilizing **HTML, CSS, JavaScript for frontend development, SQL for database management, and encryption techniques for security**, the project delivers a **robust, scalable, and user-friendly** platform for academic institutions.

The project consists of **three key components**:

1. **Academic Dashboard** – A user-friendly interface for admin, staff, and students to manage and access academic data.
2. **Attendance & Performance Tracker** – A real-time system that records attendance, grades, and progress reports while allowing corrections within a time limit.
3. **Admin Control Panel** – A centralized platform for managing staff roles, class assignments, student records, and academic reports.

By integrating **secure data management, role-based authentication, and a responsive design**, this project ensures a **seamless and intelligent** academic management experience for **educational institutions**.

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# **CHAPTER I :- INTRODUCTION.**

## **Introduction:-**

In today's fast-paced digital world, the need for efficient, accessible, and secure educational management solutions has never been more critical. With the evolution of web technologies and increasing demand for automation in academic environments, traditional manual processes have become outdated and inefficient. Managing student data, attendance, feedback, performance, and staff activities through paperwork or scattered systems leads to errors, delays, and miscommunication.

To address these challenges, we present Academic Hub — a web-based academic management system designed to streamline and automate academic operations in schools, colleges, and institutions. This platform acts as a centralized dashboard for administrators, staff, and students, offering real-time interaction, transparency, and simplified management.

This system is more than just a management tool; it's a step toward digitizing education in a way that is affordable, scalable, and effective for academic institutions of all sizes.

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## **Why We Choose This Topic?**

The choice of developing an academic management system stemmed from a clear observation: educational institutions face numerous administrative challenges due to outdated systems or lack of digital infrastructure. As students ourselves, we've experienced delays in receiving results, confusion in attendance records, miscommunication regarding updates, and difficulty accessing academic performance data — all due to manual or disconnected systems.

We chose this topic because it allowed us to:

- Solve Real-World Problems
- Learn Practical Skills
- Work with Modern Technologies
- Promote Digital Education

## Why We Must Build an Academic Management System?

In today's rapidly digitizing world, educational institutions can no longer rely on traditional, manual processes for handling student records, attendance, performance tracking, and administrative tasks. Building an academic management system like Academic Hub is not just a convenience — it's a necessity.

Here's why:

- ◊ Centralized Management
- ◊ Transparency & Accessibility
- ◊ Error Reduction
- ◊ Time-Saving Automation
- ◊ Improved Communication
- ◊ Scalability

In short, an academic management system is no longer a luxury. It is a fundamental tool for modern education, fostering accountability, convenience, and smart learning.

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## Why We Must Use Web Technologies for Development?

Building Academic Hub as a **web-based application** opens the door to a wide range of advantages that enhance usability, accessibility, and performance.

Web technologies allow cross-platform access, easy updates, and responsive design, making the system accessible anytime, anywhere, on any device.

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## Why We Must Use SQL for Backend Database Management?

SQL is a powerful language used to manage and interact with relational databases. It helps in storing, retrieving, and organizing data such as student records, attendance, and marks with high efficiency. Its structured format ensures data integrity and fast access, making it ideal for academic systems.

## **Why We Must Use HTML, CSS, and JavaScript for Frontend?**

These web technologies are essential for creating responsive, user-friendly, and attractive interfaces. HTML structures the content, CSS styles it for better appearance, and JavaScript adds interactivity. Together, they provide a seamless user experience across various devices like mobiles, tablets, and desktops.

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## **Why We Must Ensure Security in the System?**

Academic data is sensitive and must be protected from breaches or unauthorized access. Security practices like user authentication, input validation, and secure server-side scripting using PHP help ensure that data is safe, private, and only accessible to authorized users.

## **CHAPTER II :- FEATURES.**

## **Features of Academic Hub System**

Academic Hub is built to simplify and streamline the academic management process for institutions. Some of its standout features include:

### ➤ **Key Features:**

- **Role-Based Access Control:** The platform is structured for three distinct roles—Admin, Staff, and Students. Each user sees only the features relevant to their role, improving security and usability.
- **Admin Dashboard:** Allows complete control over managing staff, students, classes, subjects, and reports. Admins can create staff accounts, assign roles, and monitor academic operations.
- **Staff Portal:** Enables staff to manage student attendance, input marks, view class-wise data, and resolve student feedback with a streamlined interface.
- **Student Dashboard:** Students can access their academic records, attendance, leaderboard rankings, and feedback responses through a clean, easy-to-use dashboard.
- **Instant Notifications:** Real-time updates keep students informed of changes in attendance and marks, ensuring transparency.
- **Feedback System:** Allows students to provide feedback on marks or attendance, which can be reviewed and resolved by staff/admin, creating a two-way communication system.

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### ➤ **Advantages of the Academic Hub System**

The Academic Hub system offers numerous advantages that make it an ideal solution for educational institutions:

#### **Advantages:**

- **Centralized Management:** All academic operations—attendance, marks, feedback, and performance—are managed from a single platform, eliminating the need for multiple tools.

- **Error Prevention:** With timestamped updates and a 15–20 minute correction window, the system reduces the chances of mistakes in data entry.
- **Transparency & Accountability:** Role-specific logins ensure that every action is traceable, improving responsibility among users.
- **Offline Sync Capability:** Staff can work in low-connectivity areas, and their updates will automatically sync when the internet is available, ensuring smooth operation.
- **Printable Reports:** Class-wise and subject-wise reports can be easily generated and printed for physical documentation or review meetings.
- **Secure Access:** With encryption and layered authentication, sensitive academic data is protected from unauthorized access.
- **User-Friendly:** The new user on dashboard comes white on boarding so user have a quick guid of Dashboard.
- **User-Friendly UI:** Response and not congested UI easily covert according system small and big screen.

## ➤ Why Our Academic Management System is Better?

Academic Hub stands out due to its balanced integration of simplicity, power, and smart features. Unlike traditional systems that often suffer from complex navigation or outdated design, our platform is built with modern UI/UX principles for seamless user interaction. It offers:

- **Role-Based Dashboards:** Tailored interfaces for admin, staff, and students provide each user with tools and data relevant to their responsibilities.
- **Real-Time Updates:** Any changes in attendance, marks, or feedback reflect instantly, ensuring everyone stays up-to-date.
- **Feedback & Conflict Resolution System:** Students can raise queries about marks or attendance directly within the system, allowing staff to respond and resolve issues transparently.
- **Leaderboard & Motivation Mechanism:** The leaderboard promotes healthy competition by ranking students based on academic performance, encouraging better engagement.

- **Responsive & Cross-Device Access:** Whether using a mobile phone, tablet, or computer, users enjoy a consistent and optimized experience.

With these smart implementations, Academic Hub not only simplifies academic management but also fosters a more interactive and performance-driven educational environment.

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### ➤ Future Potential and Enhancements

Academic Hub is designed to grow and evolve alongside technological advancements and user needs. In the future, the system can be enhanced with:

- **AI-Powered Analytics:** Integration of AI to predict student performance trends and suggest personalized learning strategies.
- **Mobile App Integration:** Developing native apps for Android and iOS to offer more accessibility and push notifications.
- **Chatbot Support:** Implementing smart chatbots to assist users with queries and system navigation 24/7.
- **Cloud-Based Storage:** Moving to a scalable cloud infrastructure for higher performance, security, and global access.
- **Multi-language Support:** Offering regional language options to make the platform inclusive for users from diverse backgrounds.

These enhancements would further improve user engagement, system intelligence, and accessibility, transforming Academic Hub into a complete academic ecosystem.

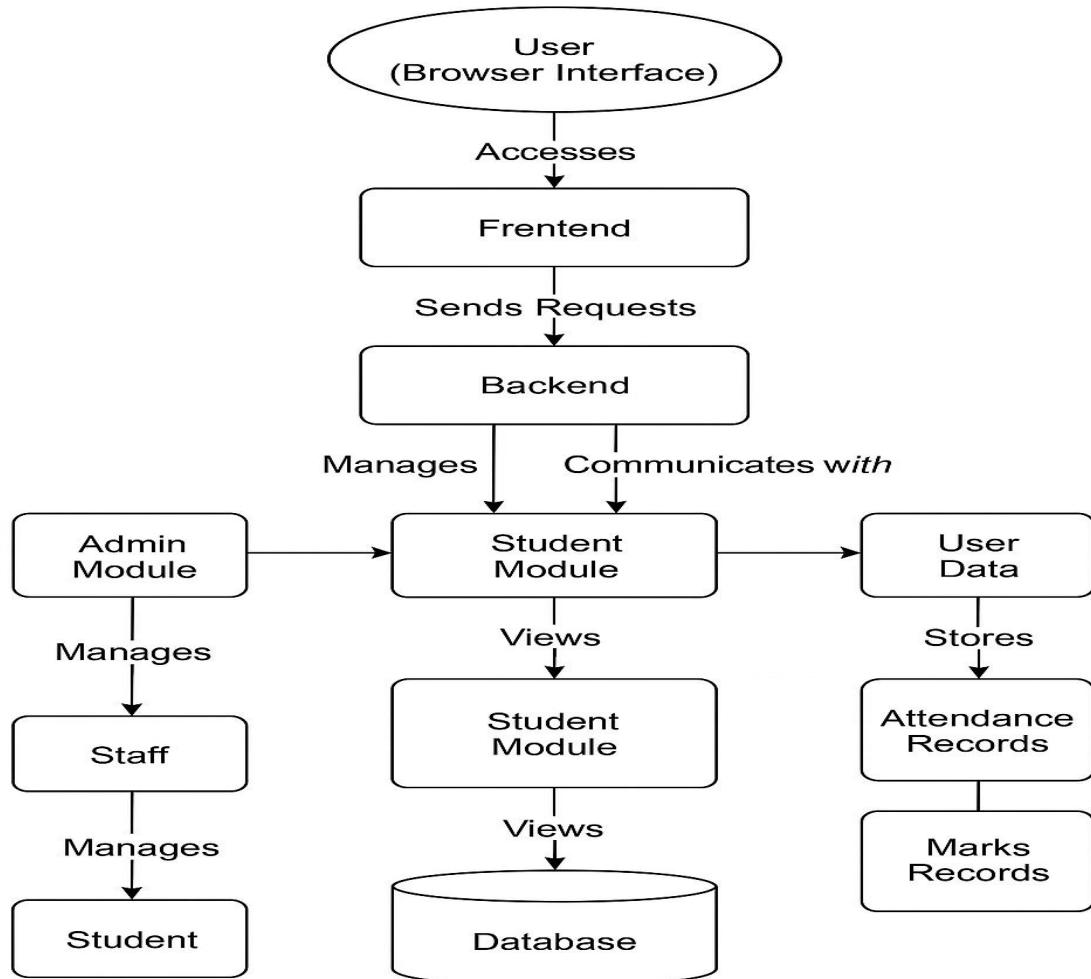
## **CHAPTER III :- PROPOSED SYSTEM.**

## ◇ Introduction

The proposed system, Academic Hub, is a web-based academic management solution that brings together administrators, staff, and students onto a single, secure platform. It addresses the traditional issues of scattered data, manual work, and communication gaps by offering centralized control, real-time updates, and organized academic tracking. The system promotes transparency, accessibility, and efficiency within educational institutions.

## ➤ Architecture Diagram

The architecture of the Academic Hub system follows a **client-server model**, where users interact with the web application through browsers (clients), and all data is processed and stored on the server.



Here's a simplified breakdown:

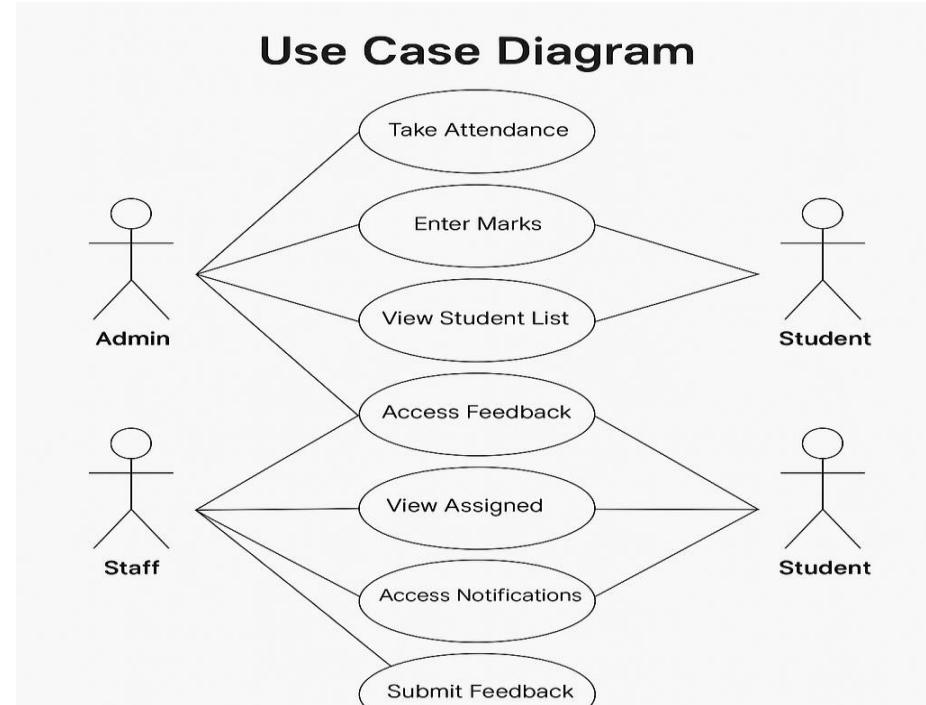
- **Frontend (Client Side):** Built using HTML, CSS, and JavaScript, the user interface is designed to be responsive and accessible across devices. It handles all user interactions and displays real-time updates.
- **Backend (Server Side):** Developed in PHP, this layer manages user authentication, business logic, and interactions with the database. It ensures secure processing of user requests and data handling.
- **Database:** SQL-based relational database stores user data, academic records, attendance, feedback, and more. It ensures data integrity and supports complex queries for reporting and analysis.
- **Hosting & Testing:** The system is hosted locally using XAMPP for development, and Ngrok is used for temporary remote access during testing phases.

This modular architecture allows easy scalability, efficient data management, and a smooth user experience.

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### ➤ Use Case Diagram

The **Use Case Diagram** illustrates the interaction between different types of users and the system. Academic Hub supports three primary roles: **Admin**, **Staff**, and **Student**. Each role has specific access and responsibilities.



#### ❖ Admin

- Create/Manage Staff Accounts
- Create/Manage Student Records
- Assign Staff to Classes
- View Reports
- Access Feedback

#### ❖ Staff

- Take Attendance
- Enter Marks
- View Student List
- Submit Feedback
- View Assigned Classes

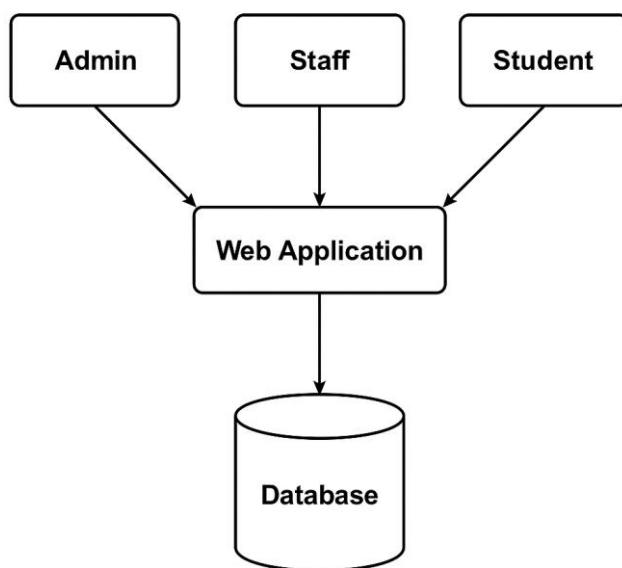
#### ❖ Student

- View Attendance
- View Marks
- Access Notifications
- Submit Feedback
- View Leaderboard

This diagram helps visualize the flow of operations and clearly defines what each user can do, improving both development and user understanding.

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#### ➤ Data Flow Diagram (DFD)



This diagram provides a simplified yet clear overview of how data is collected, processed, and stored within the Academic Hub.

## **CHAPTER IV :- DEVELOPMENT ENVIRONMENT.**

## ❖ System Implementation

To build a secure, scalable, and responsive academic management platform, we carefully selected a tech stack that aligns with modern web development practices. The system architecture supports multiple user roles (admin, staff, student), real-time interactions, and centralized database management. With the help of widely-used and flexible tools, the platform ensures efficient development, ease of testing, and future scalability.

## ❖ Software Requirements

Component	Description
<b>Operating System</b>	Windows / Linux
<b>Web Browser</b>	Chrome, Firefox, or any modern browser
<b>Code Editor</b>	Visual Studio Code
<b>Local Server</b>	XAMPP (Apache + MySQL)
<b>Database Tool</b>	phpMyAdmin (for managing SQL databases)
<b>Hosting Tool</b>	Ngrok (for testing live on different devices)
<b>Frontend Tools</b>	HTML, CSS, JavaScript
<b>Backend Language</b>	PHP (with procedural + functional scripting)

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## ➤ Software Description

The Academic Hub system is built using reliable and widely adopted technologies that ensure flexibility, compatibility, and ease of deployment. Each component plays a vital role in the development workflow:

### 1. HTML, CSS, JavaScript (Frontend Development)

- The visual layout and user interface are created using HTML for structure, CSS for styling (90% customized for a unique and branded look), and JavaScript for interactive elements. This ensures the platform is not only functional but also attractive and responsive across all devices.

## **2. SQL (Database Management)**

- Structured Query Language (SQL) is used to manage and store data securely in the backend. It handles student records, attendance, marks, feedback, and more. phpMyAdmin simplifies database management, providing an intuitive interface for executing queries and managing tables.

## **3. PHP (Server-Side Scripting for Backend)**

- PHP serves as the backend engine that connects the frontend with the database. It processes user input, manages sessions, performs data validation, and handles requests like login, registration, and report generation.

## **4. User Authentication & Security Implementation**

- The system includes secure login/logout modules for Admins, Staff, and Students. Authentication is handled using PHP sessions and database verification. Additional security measures include data validation, restricted access levels, and email feedback via PHPMailer for secure communication.

## **5. XAMPP & Ngrok (Testing and Hosting Tools)**

- XAMPP is used as the local development server that runs Apache and MySQL. Ngrok is used for temporary live hosting, allowing real-time testing on different networks and devices, even without deploying to a live web server.

# **CHAPTER V:- SYSTEM MODULES OVERVIEW – ROLES & FUNCTIONALITIES.**

## **System Modules Overview – Roles & Functionalities:**

The Academic Hub platform is thoughtfully divided into three key modules—Admin Panel, Staff Panel, and Student Dashboard. Each module is tailored to the needs of its respective user role, ensuring streamlined operations, secure access, and real-time academic management.

These panels work in harmony to create a smooth, interactive, and intelligent educational ecosystem. Below is a detailed breakdown of each module:

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### **1. Admin Panel – Summary & Advantages**

#### **◊ Summary**

The Admin Panel is the core control unit of the Academic Hub. It allows the administrator to manage the entire academic system, including class setup, staff and student onboarding, subject and exam management, and report handling. With user-friendly interfaces and dynamic APIs, it ensures efficient, real-time data control and decision-making power in the hands of the administrator.

#### **◊ Key Advantages**

- **Centralized Control** – All academic data and user access can be managed from one place.
- **Real-Time Updates** – Instantly add, update, or delete records with seamless backend integration.
- **Secure Management** – Admin activities are authenticated, protecting sensitive student and staff information.
- **Scalable System** – Easily extendible to handle more users, subjects, or classes in future.
- **Effective Feedback System** – Built-in student feedback module to gather performance insights.
- **Comprehensive Reports** – View performance and attendance data in detailed formats for analysis.

## 2. Staff Panel – Summary & Key Advantages

### ❖ Summary

The Staff Panel in Academic Hub is a powerful suite tailored for teaching and academic staff. It allows educators to manage their responsibilities with ease—from recording attendance and entering marks to generating academic reports and handling feedback. With secure login and responsive UI, it promotes productivity and accuracy in day-to-day academic tasks.

### ❖ Key Advantages

- **Efficient Workflow** – Centralized access to all essential academic functions.
- **Real-Time Attendance & Marks** – Instantly record and update student data.
- **Correction Window** – Allows a 15–20 minute edit window post entry for error-free submissions.
- **Streamlined Student Management** – Manage student details and monitor their progress seamlessly.
- **Collaborative Feedback System** – Enables staff to report issues or suggestions to admins.
- **Secure & Role-Based Access** – Ensures personalized access and prevents unauthorized data manipulation.

### 3. Student Dashboard – Summary & Key Advantages

#### ◊ Summary

The Student Dashboard is a clean and interactive space crafted for learners to track their academic journey. It displays vital information like attendance, marks, and ranks in real-time. With limited yet impactful interactions like one daily feedback submission, the dashboard keeps students informed and connected with the institution's academic ecosystem.

#### ◊ Key Advantages

- **Self-Tracking** – Students can monitor their attendance and academic performance regularly.
- **Motivational Tools** – Leaderboards drive competitive spirit and academic improvement.
- **Daily Feedback Option** – Enhances communication between students and the system (limited to once per day).
- **Live Updates** – Reflects changes in attendance and marks instantly.
- **User-Friendly Design** – Simplified UI ensures ease of use on any device.
- **Secure Access** – Only the logged-in student can view their data, preserving privacy.

# **CHAPTER VI :- CODE REFERENCE WITH PRACTICAL DEMONSTRATION.**

## ❖ Core Reference and folder structure

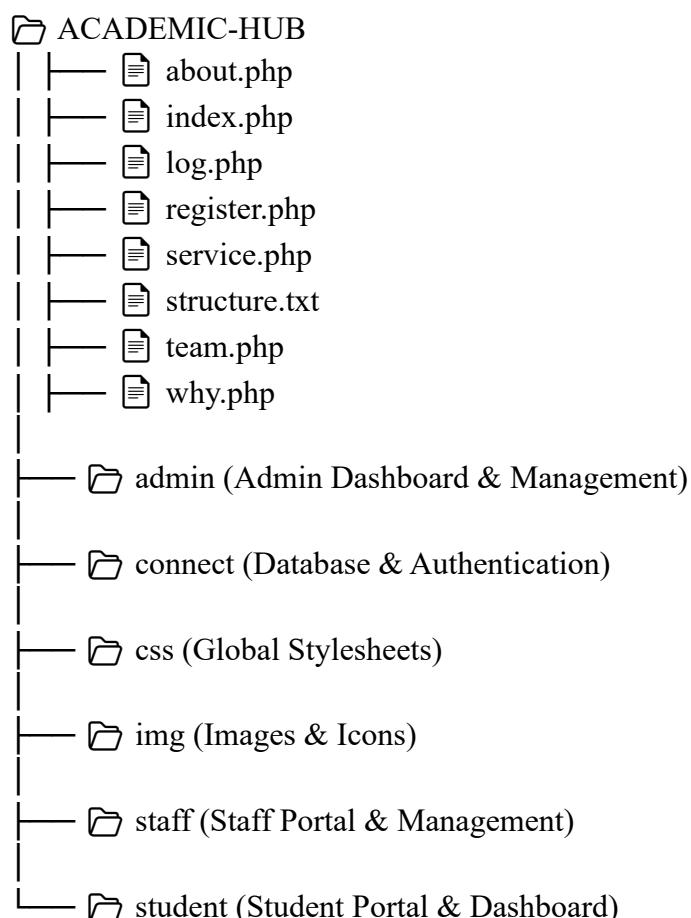
In this chapter, we showcase the real-time functionality of our **Academic Hub** web application. Due to the extensive codebase—where each functional page contains more than 400 lines of code—we've hosted the complete project on GitHub to ensure better accessibility and cleaner documentation. You can explore the entire codebase [here](#):

🔗 **GitHub Repository:** <https://github.com/ShaiKhCode/ACADEMIC-HUB>

This chapter focuses on explaining the system's major components through **core feature breakdowns**, supported by **screenshots and output-based demonstrations**. Each section highlights how specific features work, covering everything from **user authentication** to **performance tracking**, reflecting a complete academic management cycle.

Let's begin by exploring the system's key functionalities with their respective outputs.

### DOWN IS THE FOLDER STRUCTURE

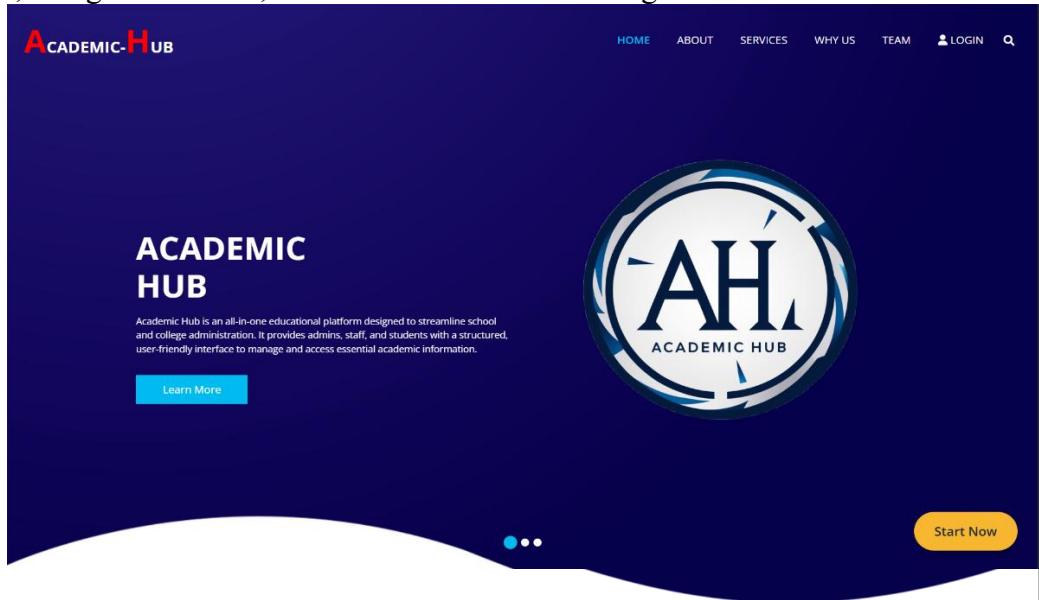


## ❖ Output And description:

### 1. Homepage (index.php)

❖ Description:

This is the landing page of the Academic Hub. It introduces the system with attractive visuals, navigational links, and a clean user interface to guide new visitors.



#### Academic Hub Features

Discover the comprehensive features of Academic Hub, designed to streamline administration, improve accessibility, and enhance educational experiences.



##### RESPONSIVE DESIGN

Our platform adapts seamlessly across devices, from desktops to smartphones, providing easy access to all users.

[Read More](#)



##### ROLE-BASED ACCESS

Tailored access levels for admins, staff, and students ensure each role has the right permissions for efficient management.

[Read More](#)



##### DATA SECURITY

Academic Hub encrypts sensitive data and stores it locally, ensuring access even during connectivity issues.

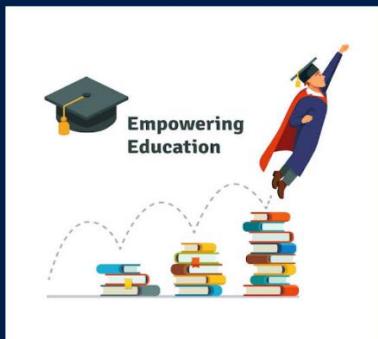
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[View All Features](#)

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#### About Academic Hub

Academic Hub is a comprehensive platform crafted to support school and college administration by streamlining academic, administrative, and student management tasks.



#### Our Mission

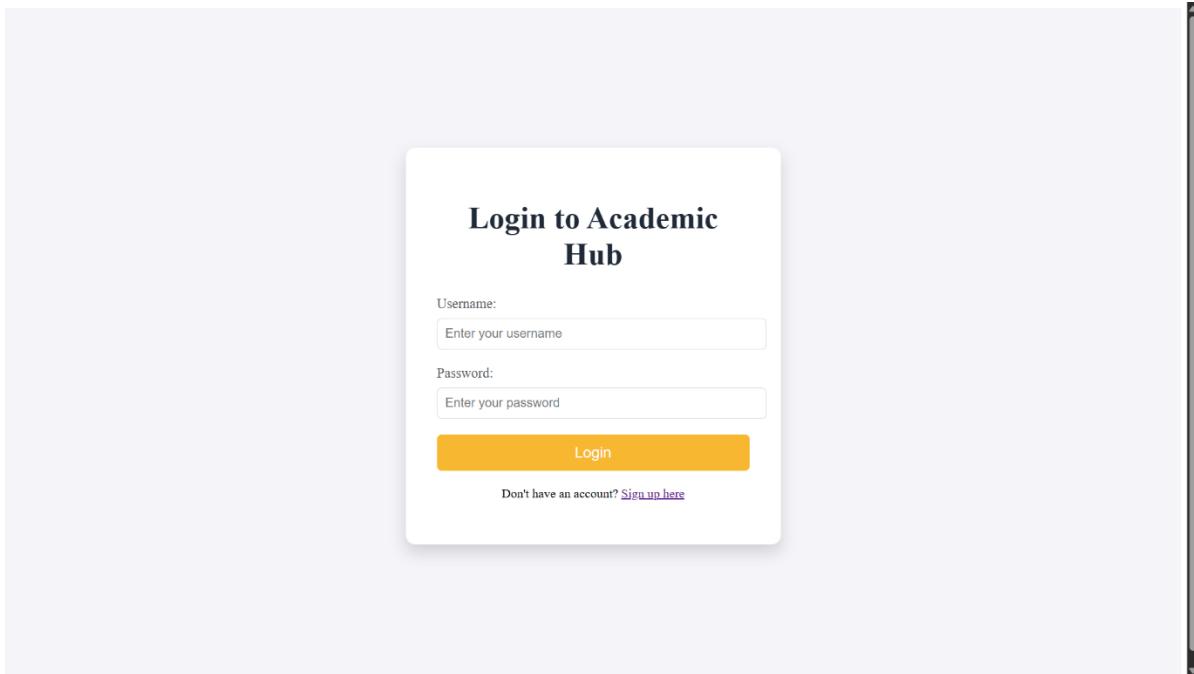
To empower educational institutions by simplifying the management of attendance, grades, notifications, and more. Our goal is to provide a reliable and secure solution that enhances educational experiences for all users.

[Read More](#)

## 2. Login Page (log.php)

### ❖ Description:

Secure login for Admin, Staff, and Students using role-based redirection. Users are verified through session handling and password validation.

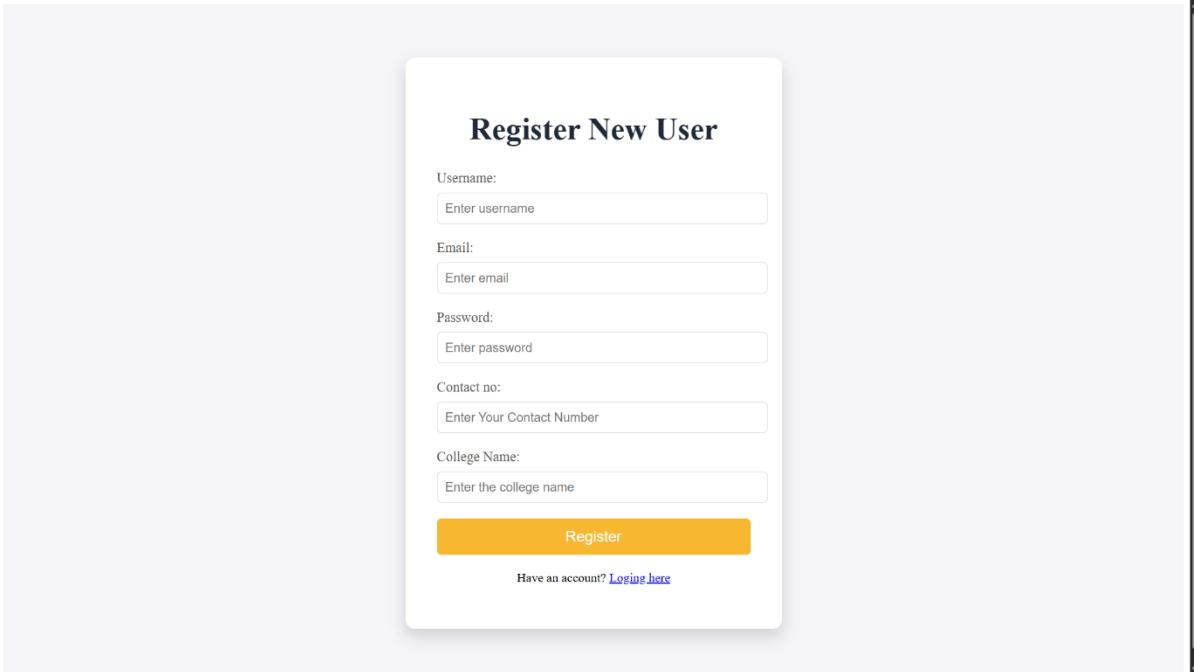


The screenshot shows a login form titled "Login to Academic Hub". It has two input fields: "Username" and "Password", both with placeholder text "Enter your username" and "Enter your password" respectively. Below the fields is a yellow "Login" button. At the bottom, there is a link "Don't have an account? [Sign up here](#)".

## 3. Registration Page (register.php)

### ❖ Description:

New colleges or institutions can register themselves. It stores data in the backend and awaits admin approval.



The screenshot shows a registration form titled "Register New User". It includes six input fields: "Username" (placeholder "Enter username"), "Email" (placeholder "Enter email"), "Password" (placeholder "Enter password"), "Contact no:" (placeholder "Enter Your Contact Number"), "College Name" (placeholder "Enter the college name"), and a "Register" button. At the bottom, there is a link "Have an account? [Log in here](#)".

## 4. Admin Panel (Folder: /admin/)

The **Admin Panel** is the central control system for managing everything within the Academic Hub — from users to feedback, reports, and performance. Admins have full access to monitor, create, and update system data.

### ❖ Description:

The landing page for logged-in admins. It provides an overview of total students, staff, reports, and other essential quick stats using visually styled cards.

The screenshot shows the Admin Panel dashboard. On the left is a sidebar with links: Dashboard, Staff-Manage, Student-Manage, Class-Organization, Subjects/Exams ADD, Reports, and Feedback-Review. The main area has a header "Welcome, dada!" and a "Dashboard" section with three cards: "Total Staff" (4), "Total Students" (7), and "Classes" (3). Below this is a "Staff Management" section with a table of staff members (Ismail, data, data2025) and a "Student Management" section with a table of student data.

## ❖ Subject & Exam Management

Allows admins to add new subjects to the system which are linked to classes and used in exams. Enables admins to set up exams that are common for all students, ensuring uniform assessment and centralized result management.

The screenshot shows the Admin Panel for Subject & Exam Management. The sidebar includes links for Dashboard, Staff-Manage, Student-Manage, Class-Organization, Subjects/Exams ADD, Reports, and Feedback-Review. The main area has two sections: "Add Subjects:" (with a table of subjects MGT and ETI) and "Add Main Exams:" (with a table of exams GAMA). Both sections include "Edit" and "Delete" buttons for each item.

## ❖ Add Staff (addstaff.php) & Add Student (addstud.php)

### ❖ Description:

These pages let the admin create staff and student accounts using dynamic forms. All entries are stored in the SQL database through backend PHP.

**NOTE:** Before Adding/Register Staff or Student U should have to Enter Subject for Faculty to Assign on it.

### Page For Adding Staff

The screenshot shows a dark-themed web application interface titled 'Academic Hub'. On the left, a sidebar menu lists various management options: Dashboard, Staff-Manage, Student-Manage, Class-Organization, Subjects/Exams ADD, Reports, and Feedback-Review. The main content area is titled 'Add Staff And Manage Staff:' and contains a table with four columns: Name, Department, Phone, and Actions. The table lists five staff members: Ismail (TY computer, phone 76494997), data (TY computer, phone 111111112211), data2025 (TY computer, phone 12121111), GAMA (TY computer, phone 4234121), and a blank row. Each row has 'Edit' and 'Delete' buttons in the Actions column.

Name	Department	Phone	Actions
Ismail	TY computer	76494997	<button>Edit</button> <button>Delete</button>
data	TY computer	111111112211	<button>Edit</button> <button>Delete</button>
data2025	TY computer	12121111	<button>Edit</button> <button>Delete</button>
GAMA	TY computer	4234121	<button>Edit</button> <button>Delete</button>

### Page For Adding Student

The screenshot shows a dark-themed web application interface titled 'Academic Hub'. On the left, a sidebar menu lists various management options: Dashboard, Staff-Manage, Student-Manage, Class-Organization, Subjects ADD, Reports, and Feedback-Review. The main content area is titled 'Add Student to Class:' and contains a table with four columns: Class, Name, Phone, and Actions. The table lists eight student records: HONEY (TY computer, phone 7414924064), Samu (TY computer, phone 12312111), alpha (TY computer, phone 112211), Sameer Sayyed (TY computer, phone 1212211121), Rehan (TY computer, phone 65784893), abhay (TY computer, phone 96626632), and Billu badmas (TY computer, phone 17265928). Each row has 'Edit' and 'Delete' buttons in the Actions column.

Class	Name	Phone	Actions
TY computer	HONEY	7414924064	<button>Edit</button> <button>Delete</button>
TY computer	Samu	12312111	<button>Edit</button> <button>Delete</button>
TY computer	alpha	112211	<button>Edit</button> <button>Delete</button>
TY computer	Sameer Sayyed	1212211121	<button>Edit</button> <button>Delete</button>
TY computer	Rehan	65784893	<button>Edit</button> <button>Delete</button>
TY computer	abhay	96626632	<button>Edit</button> <button>Delete</button>
TY computer	Billu badmas	17265928	<button>Edit</button> <button>Delete</button>

## ◊ Reports & Feedback (reports.php, feedback.php)

### ❖ Description:

Admins can view feedback submitted by students and staff and mark it done, and generate or fetch performance reports of a particular class and also base on category.

### Feedback-Review Page

The screenshot shows the 'ALL Complain' section of the Feedback-Review page. It displays four colored boxes representing different complain types:

- student (red box):** Type: general  
Message: I am nice boii
- student (orange box):** Type: complaint  
Message: Class Fan Not Working
- staff (purple box):** Type: suggestion  
Message: There the TY class has a presentation please We can get a projector for the presentation

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### Reports Page

The screenshot shows the 'Generate Student Reports' section of the Reports Page. It includes a search/filter form and a table of student attendance data:

Type: Attendance Only Class: TY computer Min %: 0 Max %: 100 Filter

Roll No	Student Name	Attendance	Phone
1	alpha	70.59%	112211
5	abhay	76.47%	96626632
7	HONEY	85.71%	7414924064
40	Samu	64.71%	12312111
45	Billu badmas	70.59%	17265928
54	Sameer Sayyed	75.00%	121221121
89	Rehan	31.25%	65784893

Print Report Export as PDF Export as Excel

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## 5. Staff Panel – Output & Functionality Overview

The **Staff Panel** is designed for teachers and academic staff to manage their responsibilities efficiently. It provides access to attendance marking, performance evaluations, profile management, and student feedback handling.

### ◊ Staff Dashboard (staff.php)

#### ❖ Description:

Serves as the main hub for staff, offering easy navigation to attendance, marks, reports, and student management features.

The screenshot shows the Staff Dashboard interface. On the left is a dark sidebar with navigation links: Dashboard, Attendance, Marks, Student-Manage, Feedback, Reports, and Profile. The main content area has a header "Dashboard: Welcome, Ismail!" with a "Logout" button. Below it are two boxes: "Total Class" (2 students) and "Total Students" (7 students). A "Student Management" section contains a table with three rows of student data: Billu badmas (Roll No 45, Phone no 17265928), abhay (Roll No 5, Phone no 96626632), and Rehan (Roll No 89, Phone no 65784893). Each row has a "Changes" button. At the bottom is a "Class & Student Overview" section with a "TY computer - MAD" logo.

### ◊ Attendance Management (atten.php)

#### ❖ Description:

Allows staff to mark and update student attendance based on selected class and subject, ensuring real-time data updates.

The screenshot shows the Attendance Management page. The sidebar includes links for Dashboard, Attendance, Marks, Student-Manage, Feedback, Reports, and Profile. The main area has a "Enter Attendance" header and a "Select Class & Subject:" dropdown with options "TY computer - MAD" and "TY computer - MGT". A "Get Students" button is below the dropdown. A table lists student attendance status: Roll No 1 (alpha, Status green), Roll No 5 (abhay, Status green), Roll No 7 (HONEY, Status green), Roll No 40 (Samu, Status red), Roll No 45 (Billu badmas, Status green), Roll No 54 (Sameer Sayyed, Status green), and Roll No 89 (Rehan, Status red). A "Submit" button is at the bottom.

## ◊ Marks Entry (mark.php)

### ❖ Description:

Staff can enter and update students' marks for various exams, which will be reflected in student reports and performance tracking. And they can alter after the marks it put.

The screenshot shows the 'Enter Marks' page of the Academic Hub. On the left is a sidebar with links: Dashboard, Attendance, Marks, Student-Managent, Feedback, Reports, and Profile. The main area has a title 'Enter Marks'. It includes dropdown menus for 'Select Class & Subject' (set to 'TY computer - MAD') and 'Select Exam Type' (set to 'END TERM'). Below these are buttons for 'Get Students' and 'ADD Custom Exams:'. A 'Total Marks:' input field is present. At the bottom is a table header with columns 'Roll No', 'Name', and 'Marks Obtained'. A large blue 'Submit Marks' button is at the bottom center.

## ◊ Student Management (stud\_manage.php)

### ❖ Description:

Like the admin , the staff has ability to add, manage, and track the students, including details like subjects and performance.

The screenshot shows the 'Add Student to Class' page of the Academic Hub. The sidebar contains links: Dashboard, Attendance, Marks, Student-Managent, Feedback, Reports, and Profile. The main area has a title 'Add Student to Class:' and a 'Add New Student' button. Below is a table with columns 'Class', 'Name', 'Phone no', and 'Actions'. The table lists several students from the 'TY computer' class, each with an 'Edit' and a 'Delete' button.

Class	Name	Phone no	Actions
TY computer	HONEY	7414924064	<button>Edit</button> <button>Delete</button>
TY computer	Samu	12312111	<button>Edit</button> <button>Delete</button>
TY computer	alpha	112211	<button>Edit</button> <button>Delete</button>
TY computer	Sameer Sayyed	121221121	<button>Edit</button> <button>Delete</button>
TY computer	Rehan	65784893	<button>Edit</button> <button>Delete</button>
TY computer	abhay	98626632	<button>Edit</button> <button>Delete</button>
TY computer	Billu badmas	17265928	<button>Edit</button> <button>Delete</button>

## ◊ Reports & Feedback (report.php, feedback.php)

### ❖ Description:

Staff can generate academic performance reports and report feedback to the admin for improvement and communication.

### Feedback Page

The screenshot shows the 'Feedback' page within the 'Academic Hub'. The left sidebar includes links for Dashboard, Attendance, Marks, Student-Management, Feedback, Reports, and Profile. The top navigation bar has links for Home, Attendance, Marks, Student-Management, Feedback, Reports, and a user icon. A central modal window titled 'Submit Your Feedback' contains fields for 'Feedback Type' (set to 'Complaint') and 'Your Feedback' (with placeholder text 'Write your feedback here...'). A 'Submit Feedback' button is at the bottom of the modal.

### Report Page

The screenshot shows the 'Reports' page within the 'Academic Hub'. The left sidebar includes links for Dashboard, Attendance, Marks, Student-Management, Feedback, Reports, and Profile. The top navigation bar has links for Home, Attendance, Marks, Student-Management, Feedback, Reports, and a user icon. A central modal window titled 'Generate Student Reports' allows filtering by 'Type' (Marks Only), 'Class' (All Classes), 'Min %' (0), 'Max %' (100), and a 'Filter' button. Below the filter is a table with columns: Roll No, Student Name, Marks (%), and Phone. The table lists student data:

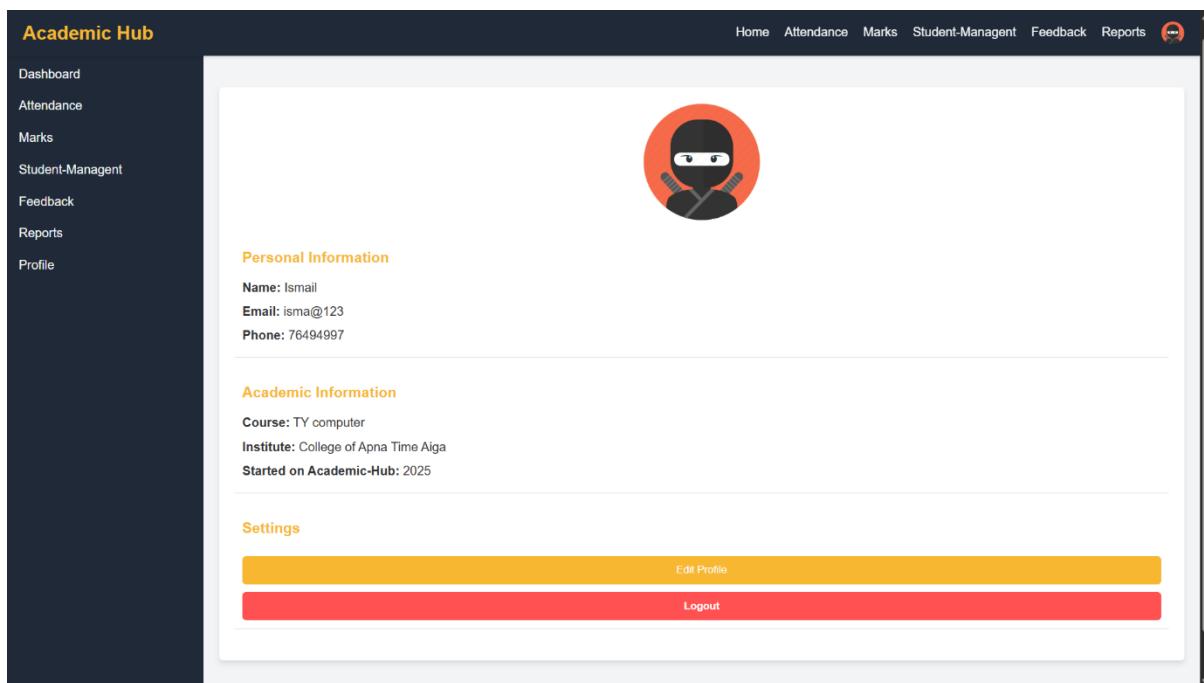
Roll No	Student Name	Marks (%)	Phone
1	alpha	71.25%	112211
5	abhay	83.75%	96626632
7	HONEY	0.00%	7414924064
40	Samu	83.75%	12312111
45	Billu badmas	83.75%	17265928
54	Sameer Sayyed	82.50%	121221121
89	Rehan	87.50%	65784893

At the bottom of the modal are three buttons: 'Print Report' (green), 'Export as PDF' (red), and 'Export as Excel' (yellow).

## ◊ **Profile Management (profile.php)**

### ❖ **Description:**

Enables staff to view and reset the tutorial (On-Boarding) their personal profile details, including contact info and Logout Button For a easy logout.



## 6. Student Panel – Output & Functionality Overview

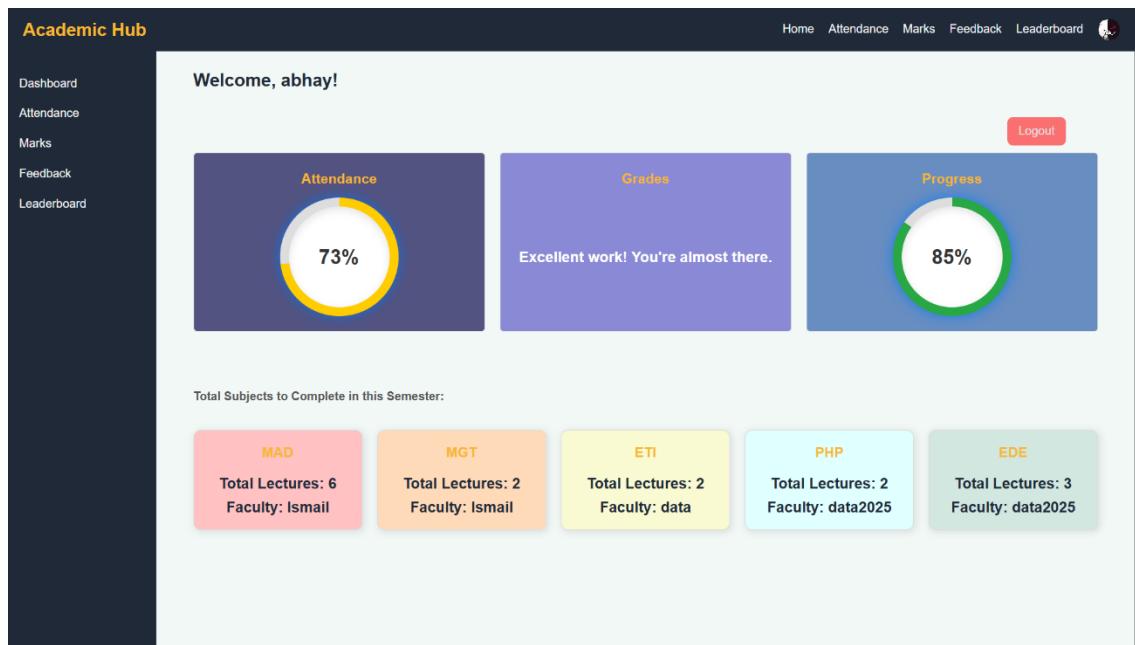
The **Student Panel** is thoughtfully designed to give students direct access to their academic information through a clean and interactive dashboard. It acts as a personalized space where each student can view their attendance, marks, leaderboard rankings, and submit feedback—all in one place. This panel ensures transparency in academic tracking and encourages student engagement by giving them the ability to monitor their own progress in real-time.

The interface is mobile-friendly and styled with modern UI practices, providing a seamless experience whether accessed via a computer or smartphone. With quick access to vital data and reports, students are empowered to take responsibility for their performance and communicate effectively with staff when needed.

## ◊ Student Dashboard (stud.php)

### ❖ Description:

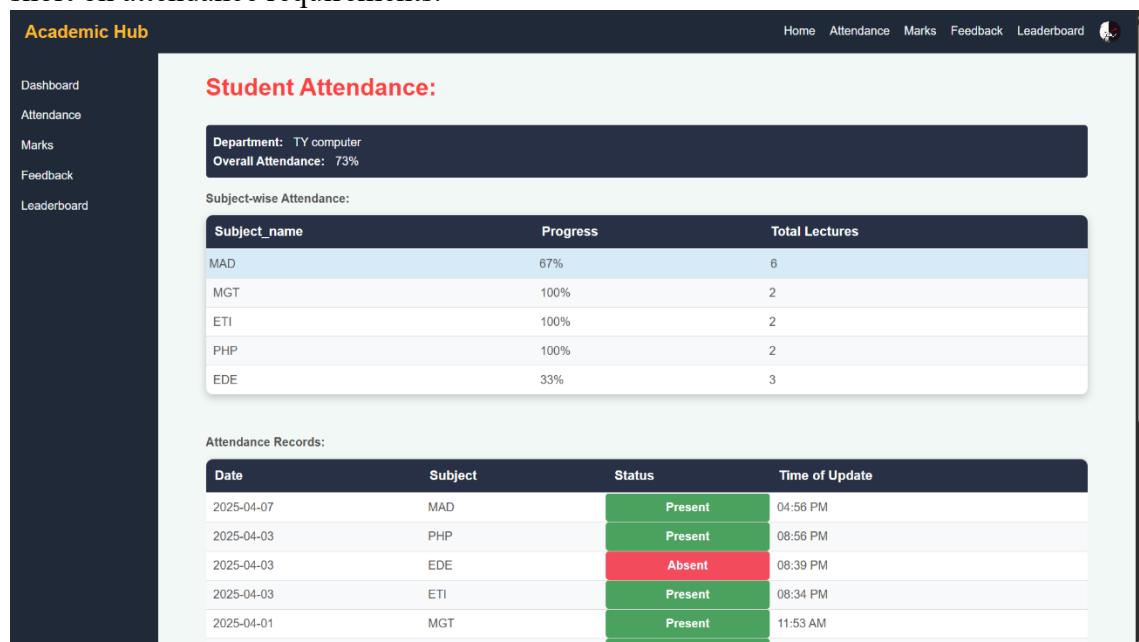
This serves as the student's main hub after login. It summarizes their overall performance, class notifications, and provides navigation to detailed sections like attendance, marks, feedback, and rankings. It's the starting point for everything a student needs.



## ◊ Attendance Overview (attendance.php)

### ❖ Description:

This page allows students to **view their daily and overall attendance records** class-wise and subject-wise. The data is fetched from the backend in real-time, keeping students updated with their presence ratio. This promotes accountability and helps them track if they are falling short on attendance requirements.



## ◊ Marks Overview (marks.php)

### ❖ Description:

Displays all academic marks for the student—unit tests, midterms, and final exams—neatly categorized by subject. Students can check their performance trend and analyze their progress throughout the semester. It syncs with the data entered by staff and updates in real-time after changes (within 15–20 minutes of staff entry to allow modifications if needed).

The screenshot shows the 'Student Marks' section of the Marks Overview page. It displays three subjects: MAD, ETI, and PHP. Each subject has a box showing its name, mid-term mark, end-term mark, and total mark. Below each box is a table showing the exam name, obtained marks, and total marks for both mid-term and end-term.

Exam Name	Obtained Marks	Total Marks
MID TERM	15	20
END TERM	20	20

Exam Name	Obtained Marks	Total Marks
MID TERM	15/20	Total: 15/20

Exam Name	Obtained Marks	Total Marks
MID TERM	17/20	Total: 17/20

## ◊ Leaderboard (leaderboard.php)

### ❖ Description:

A motivational feature where students are ranked based on their performance. It showcases the top scorers, encouraging healthy competition. Students can compare their rank with peers and strive for improvement. It visually tracks improvements and recognizes achievements.

The screenshot shows the 'Overall Leaderboard' section of the Leaderboard page. It displays a table of students ranked by their overall score. Each row includes the student's profile picture, name, and overall score.

Roll Number	Name	Overall Score
	abhay	79.58
	Sameer Sayyed	78.07
	Billu badmas	76.92
	Samu	74.25
	alpha	72.08
	Rehan	63.93
	HONEY	40.00

## ◊ Feedback (feedback.php)

### ❖ Description:

Students can submit their feedback or concerns regarding academics, staff, or any issues they face. **Each student is allowed to submit feedback only once per day** to ensure meaningful inputs and avoid spamming. Feedbacks are reviewed by staff/admin for timely action.

The screenshot shows the 'Submit Your Feedback' form. The 'Feedback Type' dropdown is set to 'Suggestion'. The feedback text area contains the message: 'We can add a news paper in the classes for outside knowledge'. A 'Submit Feedback' button is visible at the bottom of the form.

## ◊ Profile (profile.php)

### ❖ Description:

Displays the student's profile including their name, email, class, roll number, and contact details. From here, students can also view tutorials (if enabled), check academic settings, or log out securely.

The screenshot shows the student profile page. It includes sections for 'Personal Information' (Name: abhay, Email: abhay@112, Phone: 96626632), 'Academic Information' (Roll no: 5, Course: TY computer, Year: 2025, Institute: College of Apna Time Aiga, Started on Academic-Hub: 2025), and 'Settings' (Logout button).

## **CHAPTER VII :- Setup & Installation Guide.**

## ❖ Localhost Installation using XAMPP:

To run ACADEMIC-HUB on your computer (offline), follow these simple steps using XAMPP, which provides Apache (web server) and MySQL (database).

### Step 1: Download Required Tools

- XAMPP – <https://www.apachefriends.org/>
- Project Source Code –  <https://github.com/ShaiKhCode/ACADEMIC-HUB>

Click the green "Code" button and select "**Download ZIP**".

### Step 2: Install XAMPP

1. Open the downloaded XAMPP installer.
2. Install it in the default directory: C:\xampp\
3. Launch the **XAMPP Control Panel**.
4. Start:
  - Apache
  - MySQL

### Step 3: Setup the Project Files

1. Extract the downloaded ZIP file of **ACADEMIC-HUB**.
2. Copy the folder named ACADEMIC-HUB.
3. Paste it inside this directory: C:\xampp\htdocs\

### Step 4: Import the Database

1. Open your browser and go to: <http://localhost/phpmyadmin>
2. Click "New" and create a database named: "**hub**"
3. Click on the "**hub**" database → then click **Import**
4. Upload the file named EMPTYDB.sql (from the folder you extracted)
5. Click **Go**

### Step 5: Run the Website

1. Open your browser.
2. Enter the following URL:  
<http://localhost/ACADEMIC-HUB/>

Your homepage should now be visible! If yes then congresses You can start navigating through login, registration, admin, staff, or student dashboards.

If not then follow the step again...

## ❖ Temporary Hosting using Ngrok :

If you want to **share your project over the internet temporarily** without buying a domain or hosting, **Ngrok** is a perfect solution. It allows you to tunnel your local project and make it accessible to others via a public URL.

### Step 1: Download Ngrok

1. Go to the official site:  
🔗 <https://ngrok.com/download>
2. Download it for your OS (Windows, Linux, etc.)
3. Extract the folder and place it somewhere safe (e.g., C:\ngrok)

### Step 2: Connect Ngrok with Your Account

1. Sign up at <https://ngrok.com>
2. Go to your dashboard → Copy your **auth token**
3. In Command Prompt, run:  
`ngrok config add-authtoken YOUR_TOKEN_HERE`

### Step 3: Start Your Local Server

1. Make sure XAMPP is running with:
  - Apache →
  - MySQL →
2. Check site is available locally at: <http://localhost/ACADEMIC-HUB/>

### Step 4: Launch Ngrok

Now run this command in the folder where Ngrok is extracted: **ngrok http 80**  
Ngrok will generate a temporary public URL like:

<https://d3e4-112-45-13-250.ngrok-free.app>

You can **share this link** with others to test your project from anywhere!

**Note:** Ngrok sessions are **temporary** lasts for about 8 hours.

## **CHAPTER VIII :- CONCLUSION**

## **CONCLUSION**

The Academic Hub project stands as a complete academic management system tailored to streamline and modernize the operations of any educational institution. By integrating admin, staff, and student portals with real-time data handling and user-specific dashboards, the system ensures maximum efficiency, accessibility, and transparency across all academic workflows.

Through the use of modern web technologies like HTML, CSS, JavaScript, PHP, and MySQL, alongside tools like XAMPP and Ngrok for hosting and testing, the project achieves both robustness and flexibility. Every module has been designed with a focus on user experience, functional clarity, and performance monitoring, making it both scalable and adaptable to future needs.

With planned future upgrades like mobile app support, AI analytics, and cloud hosting, Academic Hub sets the foundation for a truly smart academic environment. It is not just a project—it's a potential product that can evolve into a full-fledged educational management platform.

## **CHAPTER IX :- REFERENCES**

## **REFERENCES**

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