

Report by



# Code Weavers

Code Weavers  
SPCAM

## Report

Place: SPCAM

Date: 09-01-2025

Respected Sir/Mam,

Our team, **Code Weavers**, is a dynamic group of four dedicated professionals, consisting of **two frontend developers** and **two backend developers**. We are actively working on web development projects under the esteemed **IOT Research Lab**. With a keen focus on integrating cutting-edge technologies, our goal is to build scalable, innovative, and user-centric web solutions. We combine a deep understanding of user needs with the power of the **Programming languages** to create interactive and engaging platforms.

Our work is driven by **research, collaboration, and creativity**, ensuring we contribute meaningful advancements in the fields of web development and IOT integration. Together, we aim to push the boundaries of what is possible in web development while enhancing user experience through seamless IoT integration.

### Team Details:

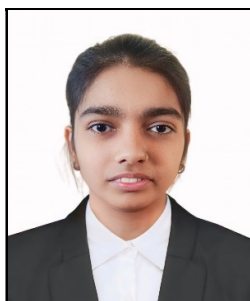
#### Frontend Developers:

1. Pathan Tahir Khan Aarif Khan
2. Dalbanjan Krishna Harish Bhai

#### Backend Developers:

1. Maji Sima Nirmal
2. Pathan TanvirKhan AarifKhan

Recently, we had a productive discussion with our mentors to gather insights on the **required functionalities** for the website. We carefully listened to their suggestions and preferences, ensuring that the features we proposed would resonate with their vision. Our primary objective was to ensure that the features not only aligned with their expectations but also added significant value to the overall design and functionality of the website.



Frontend Developer  
Dalbanjan Krishna



Frontend Developer  
Pathan Tahir Khan



Backend Developer  
Maji Sima



Backend Developer  
Pathan Tanvir Khan

## Empowering SPCAM College with Our User-Centric Solution

Our innovative platform is specifically designed to elevate the comfort and efficiency of students, faculty, and staff at SPCAM College. With easy access to data management, seamless communication, and simplified administrative tasks, this platform makes everything easier, faster, and more effective. Here's how:

---

### 1. Empowering the College Head with Real-Time Insights

The college head will gain **instant access** to comprehensive profiles of all students, teachers, and faculty members. This **data-driven approach** allows for **informed decision-making** on every aspect of the college's operation. From monitoring performance to adjusting permissions, the platform ensures smooth governance with the ability to oversee all academic activities effortlessly.

---

### 2. Streamlining Operations for the Admin Department

For the admin team, data entry becomes a **one-time effort**—after which, all student details are readily available for multiple uses. With **easy-to-access student profiles** and information at their fingertips, admin tasks are transformed into a smooth, efficient workflow that saves time and enhances productivity.

---

### 3. Simplifying Teaching Tasks for Faculty

Teachers can **ditch the hassle of hard copies!** Our platform ensures that teachers can manage class materials, view detailed student profiles, and track marks **all in one place**. The ability to share resources and interact with students directly allows teachers to focus on what matters most—teaching and mentoring.

---

### 4. Revolutionizing the Student Experience

Each student gets a **personalized profile**, providing easy access to marks, materials, and a direct line to interact with teachers. They can also **file complaints**, **update incorrect data**, and stay up-to-date with all college events, offering them a seamless and empowering experience every step of the way.

---

### Built with Input from the SPCAM Community

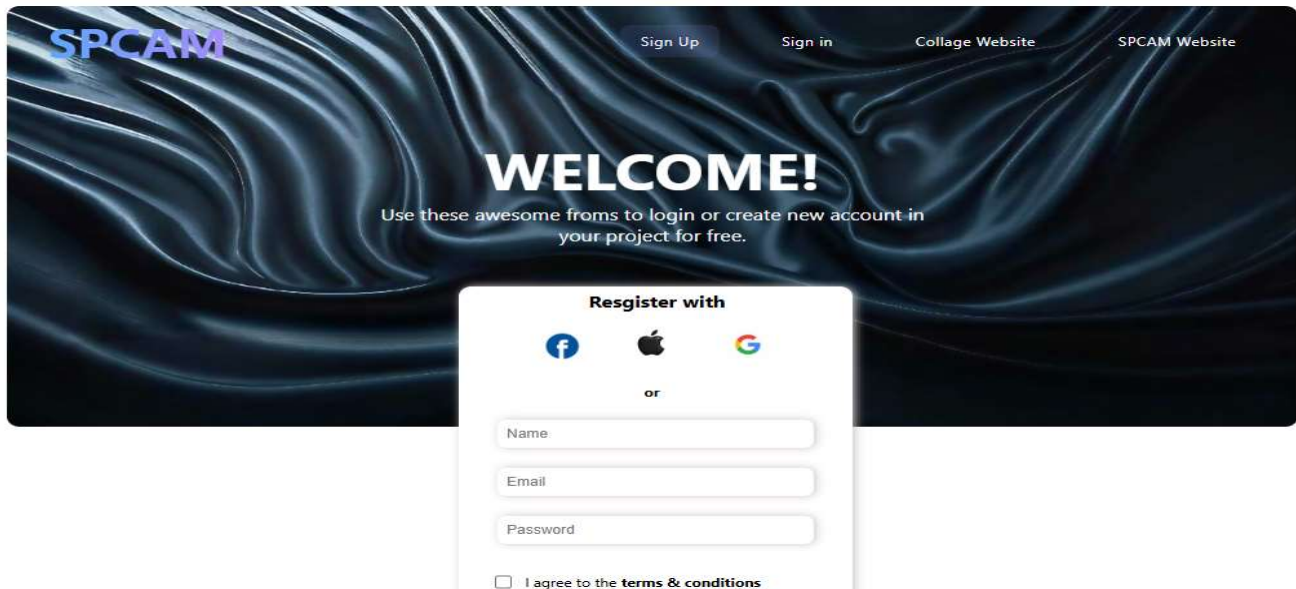
Our platform is not just another tech solution. It is **tailored** to the needs of students, teachers, and the admin department. We personally gathered feedback from each group to ensure the platform fits seamlessly into their daily lives, improving their efficiency and comfort with every use.

---

This version is designed to captivate the reader with bold, engaging language and emphasizes the positive impact of each feature. It presents the solution as both innovative and personalized, making it clear how it will benefit each group within the college.

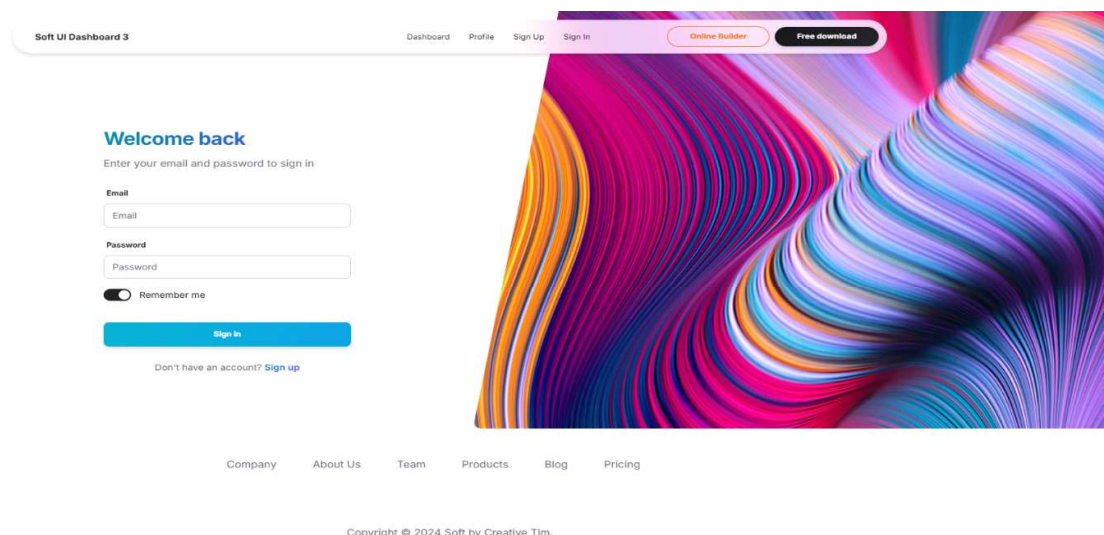
## Samples :

### 1 ) Sign Up Page



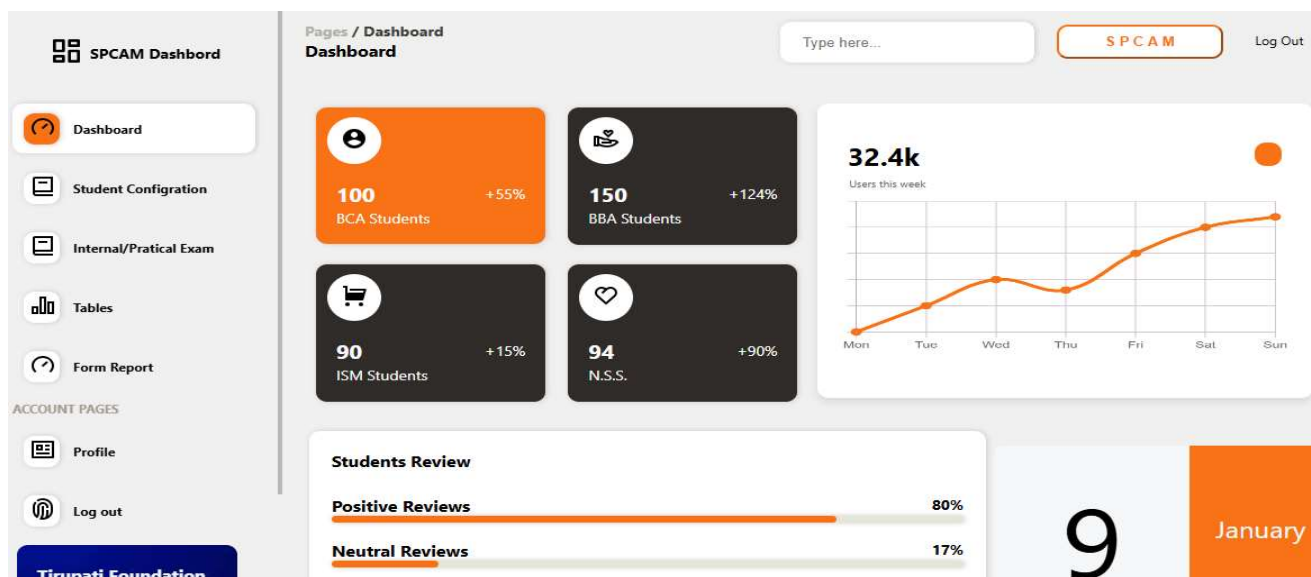
Sign up to access all the features of the SPCAM College Portal! Register now to log in and enjoy personalized services. Note: If you don't register, you won't be able to log in to the portal. Registration is a one-time process, so complete it now to get started!

### 2 )Sign In Page



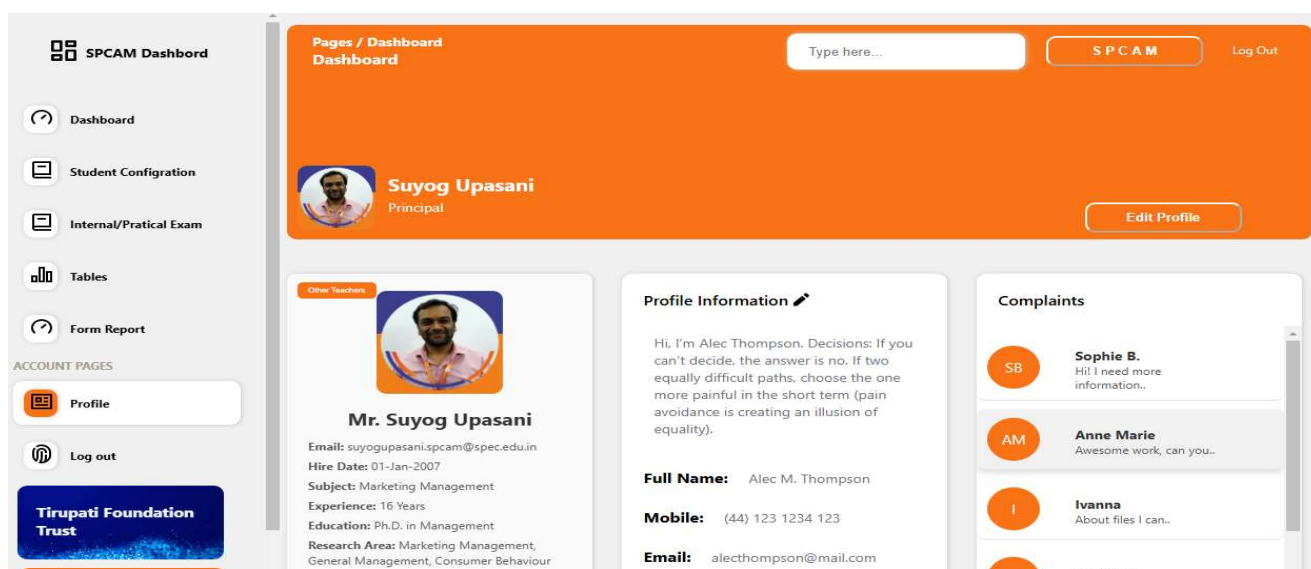
Welcome to the SPCAM College Portal Login page! Once you log in, you won't have to log in again, thanks to our secure session feature. This ensures easy access to all your personalized services without the hassle of repeated logins. Enjoy seamless navigation and stay connected!

### 3 ) SPCAM College Dashboard



The SPCAM College Dashboard is your central hub for all essential information. It provides an intuitive interface to access **faculty details**, **semester-wise class data**, and **real-time analytics**. Track performance, attendance, and progress, making it easier for faculty, admin, and students to stay informed and make data-driven decisions.

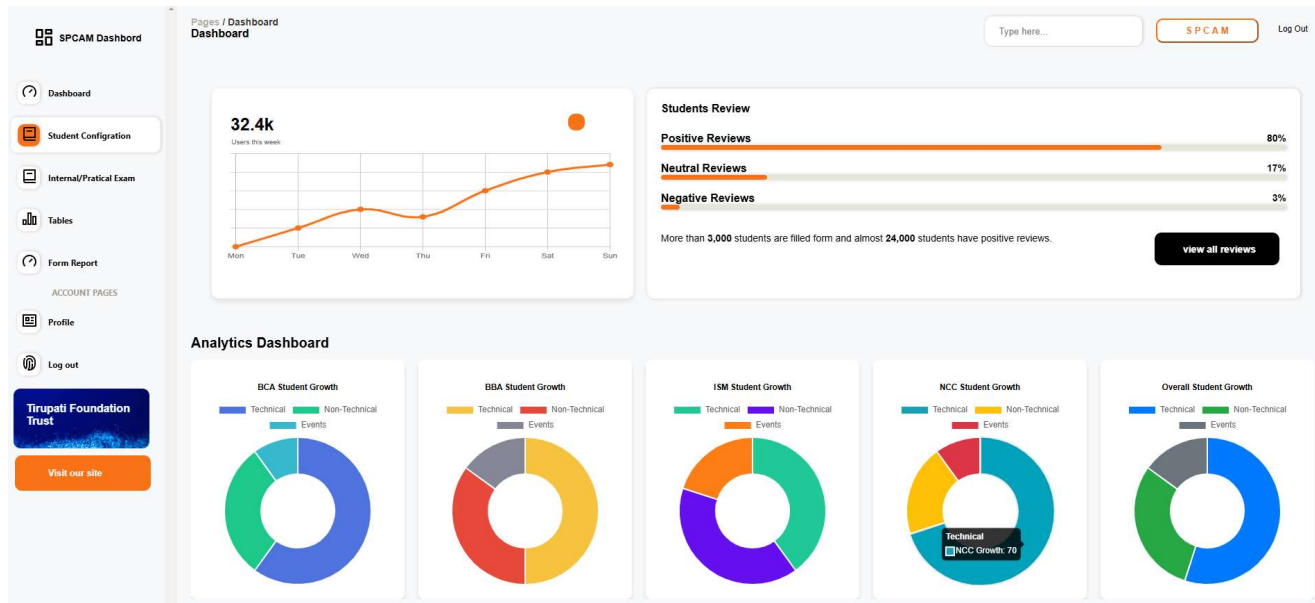
### 4 ) Principal's Profile Page





The Principal's Profile Page on the SPCAM College website is a secure platform designed for the principal and HODs. It provides access to detailed faculty profiles, ongoing project updates, and a dedicated section to review and manage student complaints. The principal can also edit their profile directly. This exclusive page ensures only authorized access, empowering SPCAM's leadership to make informed decisions and manage the institution efficiently and effectively.

## 5 ) Analytics Dashboard



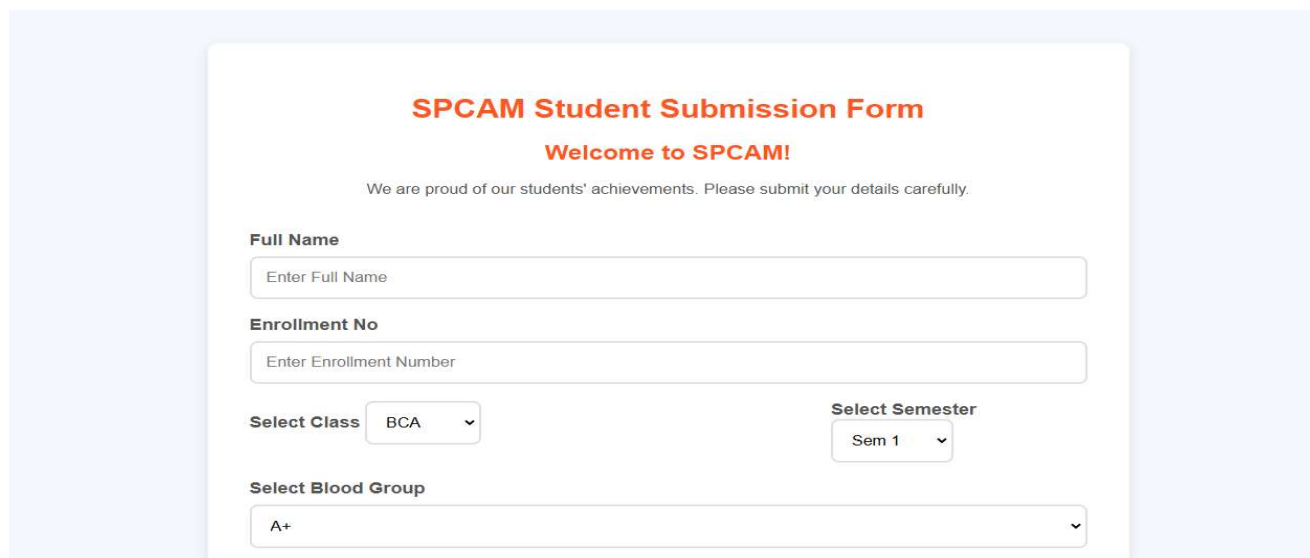
Welcome to the SPCAM College Analytics Dashboard! Here, you can access detailed insights into student, faculty, and administrative data. With real-time analytics, track progress, monitor performance, and make informed decisions with ease. The platform offers a one-time login, so you can focus on insights without constant sign-ins.

## 6 ) Admin Form Page

The screenshot shows the SARDAR PATEL COLLEGE OF ADM. & MGT. Admission Form for the Academic Year 2024-25. The form is divided into sections for personal and contact information. The 'Form No.' field is for entering the form number, and the 'Date' field is for the date in mm/dd/yyyy format. The 'Class' dropdown is set to BBA (General). The 'Student Details' section includes fields for Full Name, Father's / Husband's Name, Father's / Husband's Occupation, Mother's Name, Mother's Occupation, Nationality (set to India), State (Select State), District, and City.

The **Admin Form Page** on the SPCAM College website is specifically designed to assist the admin office in managing student records. This page enables admins to **insert detailed student information**, including educational background, parental occupations, addresses, and other essential details. The form ensures that all necessary data is captured accurately and stored securely. Once entered, the information becomes readily available for future use, simplifying administrative processes and enhancing efficiency across SPCAM College operations.

## 7 ) Student Profile Page



**SPCAM Student Submission Form**

**Welcome to SPCAM!**

We are proud of our students' achievements. Please submit your details carefully.

**Full Name**

Enter Full Name

**Enrollment No**

Enter Enrollment Number

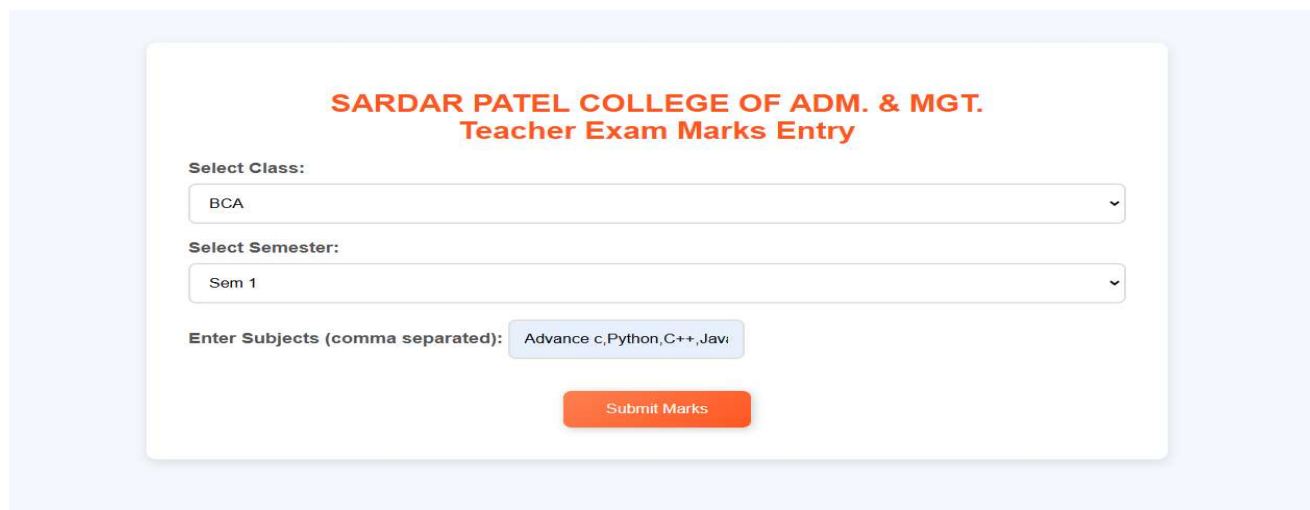
**Select Class** BCA

**Select Semester** Sem 1

**Select Blood Group** A+

The **Student Profile Page** on the SPCAM College website is designed to empower students by allowing them to **create and manage their profiles**. Students can **insert and update their personal information**, ensuring their details are accurate and up-to-date. This data becomes accessible to teachers, enabling them to manage and update marks online. Students can then view their academic progress directly on their profiles, creating a seamless and interactive system for both students and teachers.

## 8 ) Subject Management Page



**SARDAR PATEL COLLEGE OF ADM. & MGT.**

**Teacher Exam Marks Entry**

**Select Class:** BCA

**Select Semester:** Sem 1

**Enter Subjects (comma separated):** Advance c,Python,C++,Java

**Submit Marks**

The **Subject Management Page** on the SPCAM College website is designed to simplify the process of managing subjects for teachers. At the beginning of each academic year, teachers can **easily insert subject names** for their classes directly from this page. This eliminates the need to manually update the database repeatedly. Once subjects are added, all related tasks, such as **entering marks** and **generating internal results**, are dynamically updated, ensuring a seamless and efficient workflow throughout the year.

## 9 ) Marks Entry Page

**SARDAR PATEL COLLEGE OF ADM. & MGT.**  
**Teacher Exam Marks Entry**

Select Class:  
BCA

Select Semester:  
Sem 1

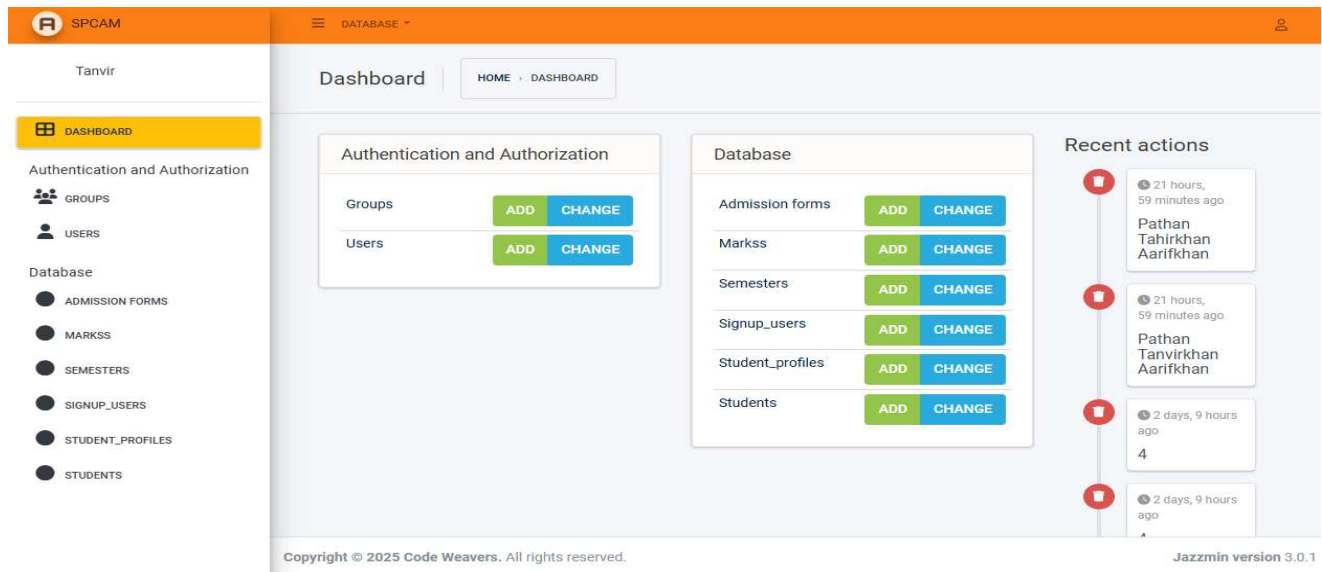
Select Subject:  
Advance c

Student Name	Enrollment No	Marks
Farhan Khan	1111	85
Rehan Khan	2222	85

The **Marks Entry Page** on the SPCAM College website is designed for teachers to easily insert student marks. This page provides a **searchable list of students** based on their **class, semester, and enrollment number**, making it simple to find the right student. Teachers can then **enter marks for any subject** associated with that student. This streamlined process ensures accurate data entry and allows teachers to efficiently manage and update academic records for each student throughout the semester.



## 10 ) MySQL database



The SPCAM College website utilizes a well-organized **MySQL database** to store all data securely and efficiently. By leveraging MySQL, the system ensures **data security** and **flexibility**, allowing for smooth storage and retrieval of information. This robust database structure ensures that student marks, faculty details, and other critical data are managed securely while providing the flexibility to update or modify records as needed. The combination of a structured database and secure data handling practices guarantees that all information remains protected and accessible, enhancing the overall reliability of the system.

### Conclusion:

The SPCAM College Portal is designed to streamline the academic and administrative processes for students, faculty, and staff. By offering personalized dashboards, real-time analytics, and easy data management, the platform enhances overall efficiency and accessibility. With features like one-time login, detailed faculty insights, and semester-wise comparisons, it empowers users to make informed decisions, fostering a more organized and connected campus environment. This user-centric solution not only simplifies tasks but also creates a seamless experience, ensuring everyone in the SPCAM community can work smarter, not harder.