

COLLEGE NOTICE BOARD WEB APPLICATION

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[2nd Year/2nd sem]

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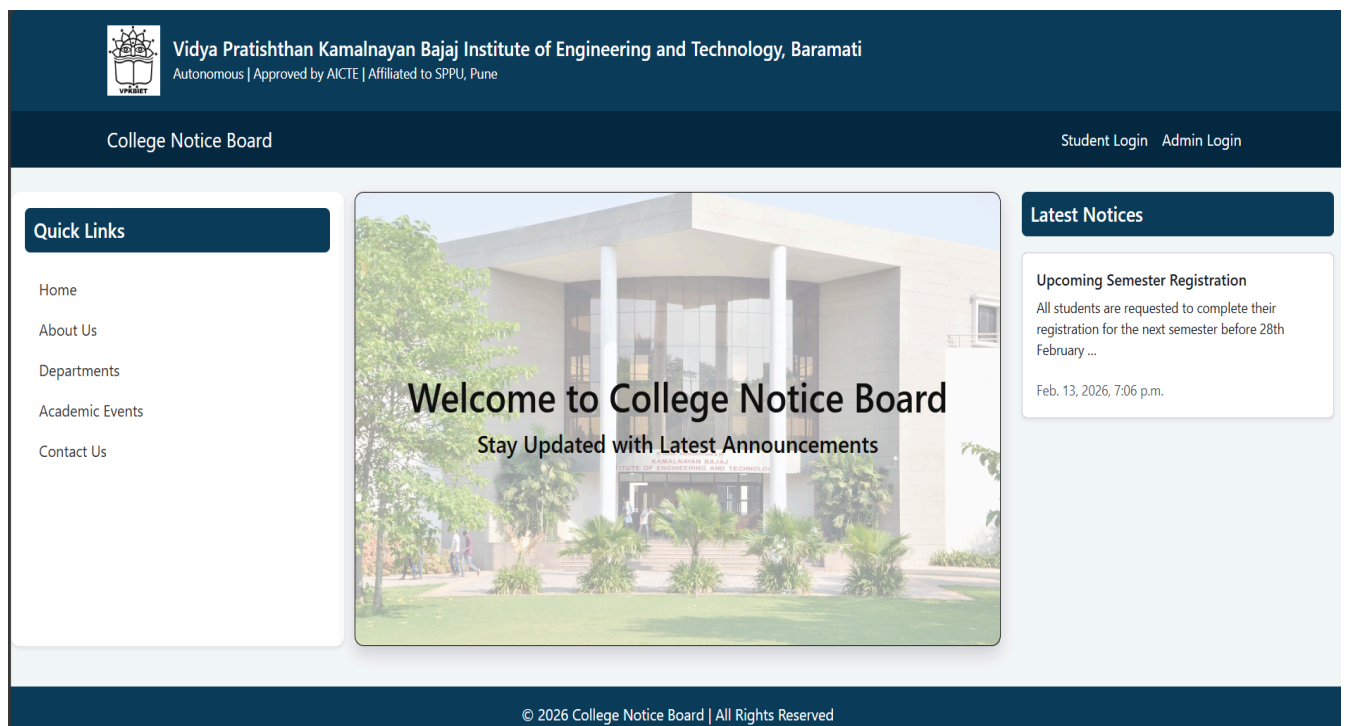
1. Introduction

In modern colleges, effective communication between administration, faculty, and students is essential for smooth functioning. Traditional notice boards are paper-based, prone to delays, and often inaccessible to students not present on campus. Important announcements may be missed, and updating notices manually is time-consuming for staff.

The **College Notice Board Web Application** addresses these issues by providing a digital platform where administrators can post, edit, and delete notices in real-time. Students can access notices instantly from any device, ensuring timely communication. This system is user-friendly, responsive, and environmentally friendly, reducing paper usage while improving accessibility and efficiency.

Key Advantages:

- Faster communication
- Reduced paper usage
- Accessible from anywhere
- Organized and searchable notices



2. Objectives

The main objectives of this project are:

1. To provide a digital platform for posting and managing college notices.
 2. To allow administrators/teachers to add, edit, and delete notices efficiently.
 3. To enable students to view all notices easily from any device.
 4. To implement a responsive design suitable for both mobile and desktop devices.
 5. To ensure secure login and authentication for both admin and students.
 6. To organize notices by categories, dates, or departments for better accessibility.
 7. To reduce paper usage and promote eco-friendly communication.
 8. To maintain a record of notices in a database for future reference and accountability.
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3. Tools and Technologies Used

Tool/Technology	Purpose
HTML	Structure of web pages
CSS	Styling and layout
JavaScript	Dynamic behavior and interactivity
Django	Backend framework for database management
SQLite	Database for storing notices and user data
Bootstrap	Responsive and mobile-friendly design

4. System Design

4.1 User Roles

- **Admin/Teacher:** Can add, edit, and delete notices.
- **Student:** Can view all notices posted by admin.

4.2 Database Design

Notice Table

Column Name	Data Type	Description
id	Integer	Auto-increment primary key
title	Text	Title of the notice
description	Text	Full notice content
date_created	DateTime	Date and time of posting

User Table

Column Name	Data Type	Description
id	Integer	Auto-increment primary key
username	Text	Login username
password	Text	Login password (encrypted)
role	Text	Admin or Student

4.3 System Flow

1. Admin logs in → Access dashboard → Adds/Edits/Deletes notices → Stored in database.
 2. Student logs in → Views all notices → Can search by date or title.
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5. Features of the Application


1. **Admin Authentication:** Secure login and logout functionality for administrators.
 2. **Notice Management:** Admin can add, edit, and delete notices efficiently.
 3. **Student Dashboard:** Students can view notices in a clean and organized layout.
 4. **Responsive Design:** Works smoothly on desktop, tablet, and mobile devices.
 5. **Search and Filter:** Students can search notices by date, title, or keyword.
 6. **Categorized Notices:** Notices can be organized by department, type, or priority.
 7. **Timestamped Notices:** Each notice shows the date and time of posting for reference.
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6. Implementation Screenshots

1. Login Page

The screenshot displays the Admin Login interface. At the top, a dark blue header contains the college logo and name: "Vidya Pratishthan Kamalnayan Bajaj Institute of Engineering and Technology, Baramati", along with accreditation details: "Autonomous | Approved by AICTE | Affiliated to SPPU, Pune". Below the header, a navigation bar shows "College Notice Board" and a "Home" link. The main content area features a central "Admin Login" form with fields for "Username" (containing "Admin1") and "Password" (masked with dots), and a "Login" button. The footer of the page reads "© 2025 College Notice Board | Admin Panel".

2. Admin Dashboard



Vidya Pratishthan Kamalnayan Bajaj Institute of Engineering and Technology, Baramati
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Admin DashboardLogout

Admin Menu

- View Notices
- Add Notice

All Notices

Upcoming Semester Registration


All students are requested to complete their registration for the next semester before 28th February 2026.

Feb. 13, 2026, 7:06 p.m.

Delete

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3. Add Notice Page



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College Notice BoardDashboardLogout

Add Notice

Title

Description

File (optional)

Choose File

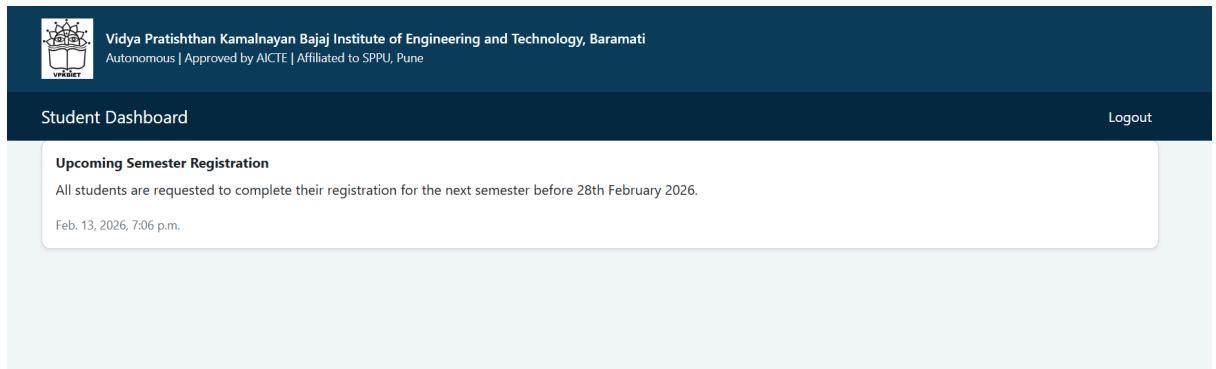
No file chosen

Add Notice

Back to Dashboard

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4. Student View Page



7. Conclusion

The College Notice Board Web Application has successfully digitized notice management for colleges.

It provides:

- Timely access to notices for students
- Easy management of notices for admin
- Paperless and eco-friendly communication
- Scope for future enhancements like notifications, PDF download, and email alerts.

8. References

1. Django Documentation – <https://docs.djangoproject.com>
2. W3Schools – HTML, CSS, JavaScript – <https://www.w3schools.com>
3. Bootstrap Documentation – <https://getbootstrap.com>