

s

University Event Management System

Full Stack Development Project Documentation

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College ID	NP03CS4A240235
Module	Full Stack Development
Module Code	5CS045
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Project Links

College Server: <https://student.heraldcollege.edu.np/~np03cs4a240235/public/welcome.php>

GitHub Repository: <https://github.com/mirajanshrestha-cloud/University-Department-Event-Management.git>

Login Credentials

User Account

Username: mirajan_shrestha

Password: #mirajan12

Admin Account

Username: Deepson Shrestha

Password: #deepson12

Features Implemented

User Management

The system includes a comprehensive user-friendly platform for managing the events conducted in a University with login and register interface, followed by registration system of participants by the user (client) side and creation, view, update and deletion of the data by the admin member (server) side of the system.

University Event Management

The application provides full event management functionality, allowing admins to create, view, edit, and delete events. It also allows the students/teachers to view and register for their events. Events are displayed with detailed information and include search and filtering capabilities for easy navigation. The events have a progress bar embedded in them for the amount of participants/seats allocated in the event. The search bar allows advanced and ajax search by searching keywords, categories and even auto-complete.

Booking System

The user can easily register for the events on a friendly interface that aids to lesser crowds for registering for the events done in a traditional way. The admin can create, read, update and delete the events according to the university requirements. There is a special provision for logsheets where the admin member can have access on what events has the user registered for and at what date and time.

General Features

The website features a responsive design that adapts to different screen sizes, database driven content management, comprehensive form validation for data integrity, and secure XSS attacks SQL queries to protect against injection attacks. The UI is clean and user-friendly, suitable for people of all age-groups.

Known Issues and Planned Improvements

To Be Fixed

Performance optimization for large event lists is planned to improve loading times and user experience. The email notification system and messaging platform has not yet been implemented but is scheduled for future development. The password reset functionality from the Forgot Password option is currently non-functional and requires implementation. Export to CSV feature is planned but not yet available.

Browser Compatibility

The application has been tested and verified to work properly on the latest versions of Google Chrome, Microsoft Edge and Safari browsers.

Application Screenshots

Admin Side:

Main Pannel:

The screenshot shows the 'Event Management System' main pannel. At the top, there is a dark header bar with the title 'Event Management System' on the left and a welcome message 'Welcome, Deepson Shrestha (admin) | Add Event | Log Sheet | Logout' on the right. Below the header is a search bar with a placeholder 'Search events', a dropdown menu set to 'All Categories', and a blue 'Search' button. The main content area is titled 'Event Schedule' and displays eight event cards in a grid. Each card contains the event name, date, location, organiser, and participant count, along with a progress bar and two buttons: 'Edit' and 'Delete'. The events listed are: okay, AIMANIA, BizMela, Holi Fest, Dashain Fest, CODEATHON, Chakra Chitra, and USBHCK.

Event Name	Date	Location	Organiser	Participants
okay	2025-12-12	okay	okay	1/223
AIMANIA	2026-02-02	Bantok	AI Learners	1/45
BizMela	2026-02-24	Gahanapokhari, HCK Block	Bizcore	2/55
Holi Fest	2026-03-12	HCK Basketball Ground	HCK	Everyone can attend
Dashain Fest	2026-04-12	WLV Ground	HCK	Everyone can attend
CODEATHON	2026-05-23	ING Lecture Hall	CODERSMANIA	1/70
Chakra Chitra	2026-09-09	Wolves, WLV Block	UI Visuals	1/45
USBHCK	2026-10-01	SR-04	EthicalHCK	1/20

Hidden cards shown for updating, deleting and registering events:

This screenshot is similar to the previous one, showing the 'Event Management System' main pannel. The layout and event data are identical. However, the hidden edit and delete buttons are now visible below each event card. These buttons are blue with white text and are labeled 'Edit' and 'Delete'. The rest of the interface elements, including the header, search bar, and other event cards, remain the same.

Event Name	Date	Location	Organiser	Participants
AIMANIA	2026-02-02	Bantok	AI Learners	2 / 45
Okay	2026-02-20	okay	okay	0 / 23
BizMela	2026-02-24	Gahanapokhari, HCK Block	Bizcore	2 / 55
Holi Fest	2026-03-12	HCK Basketball Ground	HCK	Everyone can attend
Dashain Fest	2026-04-12	WLV Ground	HCK	Everyone can attend
CODEATHON	2026-05-23	ING Lecture Hall	CODERSMANIA	1 / 70
Chakra Chitra	2026-09-09	Wolves, WLV Block	UI Visuals	2 / 45
USBHCK	2026-10-01	SR-04	EthicalHCK	2 / 20

Add Events Panel:

The screenshot shows a modal dialog box for adding an event. It contains the following fields:

- Title**: An input field.
- Category**: An input field.
- Organiser**: An input field.
- Date**: A date input field with a calendar icon.
- Location**: An input field.
- Max Participants (0 for unlimited)**: An input field containing "0 for unlimited".

At the bottom are two buttons: a blue **Add Event** button and a red **Cancel** button.

Real Time and Category Search:

The screenshot shows a search interface with the following elements:

- A search bar labeled "Search events".
- A dropdown menu showing the selected category "Academic, Fun".
- A blue "Search" button.
- A search result card for an event titled "CODEATHON" with the following details:
 - Date: 2026-05-23
 - Location: ING Lecture Hall
 - Organiser: CODERSMANIA
 - Participants: 1/70

Participants View Sheet:

Participant Log Sheet		
Event	Participant	Registered At
AIMANIA	Deepson Shrestha	2026-02-01 16:41:46
BizMela	Deepson Shrestha	2026-02-01 15:07:46
BizMela	mirajan_shrestha	2026-02-03 00:10:22
Chakra Chitra	Deepson Shrestha	2026-02-01 15:07:52
CODEATHON	Deepson Shrestha	2026-02-01 16:48:43
Dashain Fest	Deepson Shrestha	2026-02-01 15:35:46
DEVFEST	Deepson Shrestha	2026-02-01 15:07:36
FUNkey	Rean	2026-02-01 13:55:22
FUNUS	Deepson Shrestha	2026-02-01 14:00:04
FUNUS	mirajan_shrestha	2026-02-01 14:01:41
Holi Fest	Deepson Shrestha	2026-02-01 15:35:41
okay	mirajan_shrestha	2026-02-02 22:51:23
USBHCK	Deepson Shrestha	2026-02-01 14:29:49

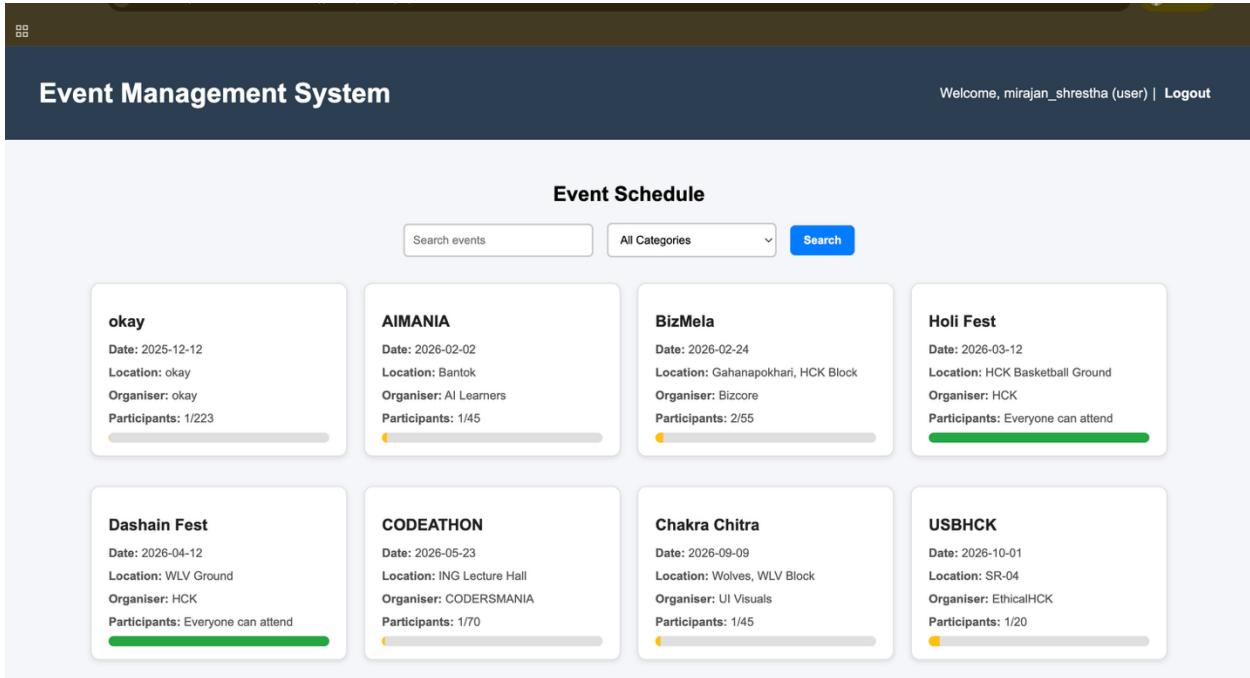
Edit/Update Events:

The screenshot shows a web-based Event Management System interface. At the top, there is a dark header bar with the title "Event Management System" on the left and a "Logout" link on the right. Below the header, the main content area displays a modal dialog for editing an event. The modal has the following fields:

- Title:** Holi Fest
- Category:** Festive
- Organiser:** (empty field)
- Event Date:** 12/03/2026
- Location:** HCK Basketball Ground

At the bottom of the modal are two buttons: a blue "Update Event" button and a red "Cancel" button.

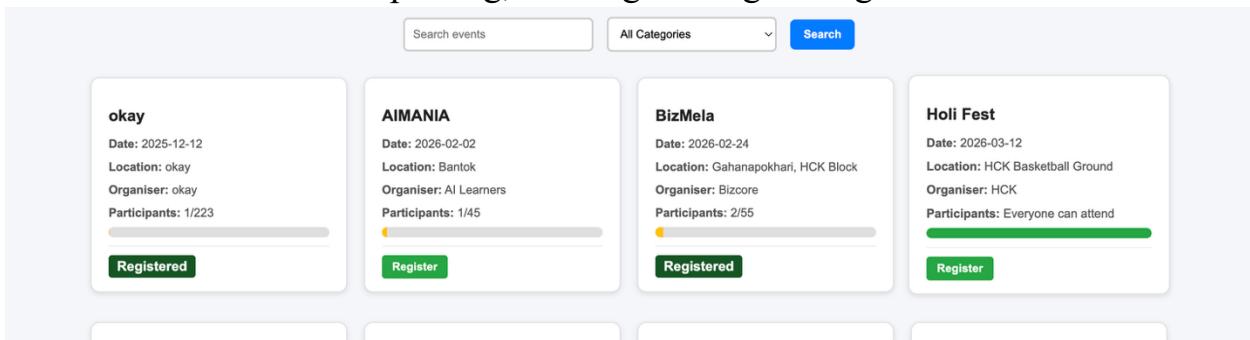
Client Side:
Main Pannel:



The screenshot shows the main interface of the Event Management System. At the top, there is a dark header bar with the text "Event Management System" on the left and "Welcome, mirajan_shrestha (user) | Logout" on the right. Below the header, the page title "Event Schedule" is centered. There are three search/filter components: a "Search events" input field, a "All Categories" dropdown menu, and a blue "Search" button. The main content area displays eight event cards arranged in two rows of four. Each card contains the event name, date, location, organiser, and participant count, followed by a progress bar and a registration button.

Event Name	Date	Location	Organiser	Participants	Status
okay	2025-12-12	okay	Organiser: okay	Participants: 1/223	<div style="width: 5%;">Progress Bar</div>
AIMANIA	2026-02-02	Bantok	Organiser: AI Learners	Participants: 1/45	<div style="width: 5%;">Progress Bar</div>
BizMela	2026-02-24	Gahanapokhari, HCK Block	Organiser: Bizcore	Participants: 2/55	<div style="width: 5%;">Progress Bar</div>
Holi Fest	2026-03-12	HCK Basketball Ground	Organiser: HCK	Participants: Everyone can attend	<div style="width: 100%;">Progress Bar</div>
Dashain Fest	2026-04-12	WLV Ground	Organiser: HCK	Participants: Everyone can attend	<div style="width: 100%;">Progress Bar</div>
CODEATHON	2026-05-23	ING Lecture Hall	Organiser: CODERSMANIA	Participants: 1/70	<div style="width: 5%;">Progress Bar</div>
Chakra Chitra	2026-09-09	Wolves, WLV Block	Organiser: UI Visuals	Participants: 1/45	<div style="width: 5%;">Progress Bar</div>
USBHCK	2026-10-01	SR-04	Organiser: EthicalHCK	Participants: 1/20	<div style="width: 5%;">Progress Bar</div>

Hidden cards shown for updating, deleting and registering events:



This screenshot shows the same main panel as above, but with the event cards from the second row partially hidden. Only the first four cards are fully visible, while the last four are partially obscured at the bottom. Each card includes a "Registered" button below it.

Event Name	Date	Location	Organiser	Participants	Status
okay	2025-12-12	okay	Organiser: okay	Participants: 1/223	<div style="width: 5%;">Progress Bar</div> <button>Registered</button>
AIMANIA	2026-02-02	Bantok	Organiser: AI Learners	Participants: 1/45	<div style="width: 5%;">Progress Bar</div> <button>Register</button>
BizMela	2026-02-24	Gahanapokhari, HCK Block	Organiser: Bizcore	Participants: 2/55	<div style="width: 5%;">Progress Bar</div> <button>Registered</button>
Holi Fest	2026-03-12	HCK Basketball Ground	Organiser: HCK	Participants: Everyone can attend	<div style="width: 100%;">Progress Bar</div> <button>Register</button>
Dashain Fest	2026-04-12	WLV Ground	Organiser: HCK	Participants: Everyone can attend	<div style="width: 100%;">Progress Bar</div> <button>Register</button>
CODEATHON	2026-05-23	ING Lecture Hall	Organiser: CODERSMANIA	Participants: 1/70	<div style="width: 5%;">Progress Bar</div> <button>Register</button>
Chakra Chitra	2026-09-09	Wolves, WLV Block	Organiser: UI Visuals	Participants: 1/45	<div style="width: 5%;">Progress Bar</div> <button>Register</button>
USBHCK	2026-10-01	SR-04	Organiser: EthicalHCK	Participants: 1/20	<div style="width: 5%;">Progress Bar</div> <button>Register</button>