EVENT MANAGEMENT – TECHFEST 2025

Submitted in Partial Fulfillment of the Requirements for the

Award of the Degree of

BACHELOR OF TECHNOLOGY

in

COMPUTER SCIENCE AND ENGINEERING

By

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NOVEMBER, 2025

CERTIFICATE

Student Declaration

I, **Mr. Nitish Kumar**, a student of **B.Tech in Computer Science and Engineering (Artificial Intelligence & Machine Learning)** at **Meerut Institute of Technology**, hereby declare that the project titled **"Event Management– TechFest 2025"** is an original work completed by me during the academic session **2025–2026**. This work has not been submitted to any other University or Institute for the award of any degree or diploma, and all sources used have been duly acknowledged.

(Student Signature)
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Certificate By Guide

This is to certify that the project report entitled **"Event Management– TechFest 2025"** has been completed and submitted by **Mr. Nitish Kumar**, a student of **B.Tech in Computer Science and Engineering (Artificial Intelligence & Machine Learning)**, in partial fulfillment of the requirements for the degree of **Bachelor of Technology** for the academic session **2025–2026**. The project has been carried out under the guidance of **Dr. Praveen Kumar**, Head of the Department of Computer Science and Engineering. This is a bonafide record of the student's work and has not been submitted elsewhere for any degree or diploma.

(Signature of Guide / HOD)
Dr. Praveen Kumar
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DECLARATION

I, Mr. Nitish Kumar**, a student of** B.Tech in **Computer Science And Engineering(Artificial Intelligence & Machine Learning), studying at** Meerut Institute of Technology, Meerut**, hereby declare that the project entitled Event Management – TechFest 2025**

submitted in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology** in **Computer Science And Engineering(Artificial Intelligence & Machine Learning),** is a **bonafide record** of my original work carried out under the supervision and guidance of **Dr. Praveen Kumar**, Department of Computer Science and Engineering, Meerut Institute of Technology, Meerut.

I further declare that this project work has not been submitted to any other University or Institution for the award of any degree, diploma, or certification. The information, data, and results presented in this report are true and authentic to the best of my knowledge and belief.

This work represents my genuine efforts, learning, and understanding of front-end web development, specifically focusing on creating a modern and responsive **Event Management** for promoting and managing college-level technical and cultural events.

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ACKNOWLEDGEMENT

With immense pleasure and deep gratitude, I express my sincere thanks to all who supported me in completing my project **"Event Management – TechFest 2025"**, carried out in partial fulfillment of the requirements for the **B.Tech in Computer Science and Engineering (Artificial Intelligence & Machine Learning)** at **Meerut Institute of Technology, Meerut (U.P.)**.

I extend my heartfelt thanks to **Dr. Praveen Kumar**, Head of the Department of Computer Science and Engineering, for his valuable guidance and continuous encouragement.

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Lastly, I am grateful to my **friends and classmates** for their constant support and helpful discussions during the course of this work.

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ABSTRACT

The project **“Event Management– TechFest 2025”** has been developed to provide a simple, modern, and responsive online platform for promoting college events and managing participant registrations. With the increasing use of digital tools in academic institutions, this landing page serves as an efficient medium to display event details such as the event name, date, schedule, gallery, and registration form.

The website is built using **HTML5, CSS3, and JavaScript**, ensuring a clean UI, smooth user experience, and compatibility across different devices. For handling registrations, **Formspree** is integrated as a secure and lightweight form submission service, eliminating the need for a backend server.

This project, created by **Mr. Nitish Kumar** demonstrates the practical application of web development concepts and UI/UX principles. It fulfills its objective of offering an appealing and functional event management interface, while also laying the foundation for future upgrades like database connectivity, login systems, and automated analytics.

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LIST OF ABBREVIATIONS / SYMBOLS

Abbreviation / Symbol	Full Form / Description
HTML	HyperText Markup Language
CSS	Cascading Style Sheets
JS	JavaScript
UI	User Interface
UX	User Experience
API	Application Programming Interface
HTTP	HyperText Transfer Protocol
URL	Uniform Resource Locator
WWW	World Wide Web
IDE	Integrated Development Environment
W3C	World Wide Web Consortium
DOM	Document Object Model
IP	Internet Protocol
SEO	Search Engine Optimization
DBMS	Database Management System
CMS	Content Management System
MIT	Meerut Institute of Technology
B.Tech	Bachelor of Technology
CSE	Computer Science and Engineering

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CHAPTER 1: INTRODUCTION

1.1 Background

In recent years, the integration of web technology into educational environments has become essential for efficient event coordination. Traditional methods such as printed notices, offline registrations, and manual record-keeping often result in miscommunication, delays, and lack of accessibility. A digital event landing page addresses these challenges by offering real-time access to schedules, guidelines, event categories, updates, and registration facilities. The growing demand for quick and organized event communication inspired the development of this project, which uses standard web technologies like HTML, CSS, and JavaScript to deliver an intuitive interface.

1.2 Problem Statement

Despite the increasing number of events conducted in colleges annually, many institutions still lack a dedicated online platform that consolidates event-related information. Manual registration processes can lead to errors, mismanagement of participant data, and inconvenience for both organizers and students. There is a need for an effective system that can provide transparent communication, seamless registration, and an organized presentation of event details. This project aims to solve these issues by developing a structured and interactive landing page that simplifies event management tasks while improving user experience.

1.3 Objectives

The main objective of this project is to build a fully responsive event landing page that provides comprehensive information about TechFest 2025 in a visually appealing manner. The project aims to offer an easy and efficient registration process using Formspree, ensure compatibility across various devices, and create an attractive interface that engages users. Additionally, the project seeks to demonstrate the practical application of front-end technologies, enhance UI/UX design skills, and develop a solution that can be extended for future event management functionalities.

1.4 Scope of the Project

The scope of this project is limited to the front-end development of the event website, focusing on layout design, navigation flow, content presentation, and form integration. It includes creating sections such as the event introduction, schedule, highlights, gallery, and registration form. The system uses Formspree for form handling, eliminating the need for a backend server in this phase. While the project does not include advanced features like database storage, real-time notifications, or admin dashboards, it establishes a strong foundation that can be expanded in future iterations.

1.5 Chapters Scheme

This project report is organized into several chapters for better understanding and logicalflow.

Chapter 1 provides the introduction, background, problem statement, objectives, scope, and chapter scheme.

Chapter 2 discusses the literature review and system analysis.
Chapter 3 presents the methodology and design approach used in developing the landingpage.

Chapter 4 focuses on implementation details, tools, technologies, and code explanation.

Chapter 5 highlights the results, testing outcomes, and project evaluation. Finally, **Chapter 6** concludes the report with key findings and future enhancement possibilities.

CHAPTER 2: LITERATURE REVIEW

Related Work

Related work in this field includes college event portals, departmental fest websites, and commercial event management tools that offer features such as online registration, event announcements, participant tracking, and communication modules. Many institutions have implemented simple web pages for specific events, while others use more advanced platforms with database integration and automated workflows. These existing systems demonstrate the importance of digital tools in streamlining event-related processes.

Existing Systems

Despite these advancements, **existing systems** often come with limitations. Many institutional event websites are static, outdated, or lack responsive design, making them difficult to use on mobile devices. Some require backend setup and server maintenance, which may not be feasible for small-scale college events. Others involve complex interfaces that may confuse users or do not provide dedicated sections for schedules, galleries, or registration forms. Commercial event management tools, although feature-rich, are often costly and unsuitable for student-level events where simplicity and ease of use are more important.

Research Gaps

This leads to several **research gaps** that justify the development of the present project. There is a lack of lightweight, visually appealing, and easy-to-navigate event landing pages designed specifically for college technical festivals. Many existing solutions do not offer simple third-party form integration like Formspree to manage registrations without a backend. Furthermore, there is limited focus on creating aesthetically pleasing and responsive interfaces tailored for student events. The gap between what colleges need and what current systems provide forms the foundation for creating an efficient, modern front-end solution.

Summary

In **summary**, the literature review highlights that while numerous digital tools exist for event management, many are either too complex, outdated, or not optimized for academic environments. The “Event Management – TechFest 2025” landing page aims to fill these gaps by providing a clean, responsive, interactive, and user-friendly platform designed specifically for college-level event promotions and participant registration. This chapter establishes the need for such a system and supports the rationale behind the chosen design and development approach.

CHAPTER 3: METHODOLOGY

This chapter explains the methodology adopted for designing and developing the "Event Management – TechFest 2025" landing page. The methodological approach ensures that the system meets user expectations, performs efficiently across devices, and provides an engaging and responsive interface for event participants.

3.1 Requirement Analysis (Functional & Non-functional)

The requirement analysis focuses on identifying what the system must do and how it should perform. The functional requirements include providing event information through organized sections such as the event introduction, schedule, gallery, and registration form, along with enabling users to submit their details through an integrated Formspree-based registration system. The non-functional requirements emphasize performance, simplicity, usability, and responsiveness. The system must load quickly, run smoothly across desktops, tablets, and mobile devices, and maintain a clean visual design that enhances user experience. It should also ensure reliability by preventing form failures and offering consistent navigation throughout the site.

3.2 Technology Stack / Tools Used

The project is developed using standard front-end web technologies. HTML5 is used for structuring the content, while CSS3 provides styling, layout design, animations, and responsiveness. JavaScript adds interactivity, smooth navigation effects, and enhanced user engagement. External tools such as Formspree are used for handling form submissions securely without requiring backend code or a database. Text editors like Visual Studio Code aid development, and browser developer tools assist in testing, debugging, and optimizing the website for multiple screen sizes.

3.3 System Workflow

The system workflow begins with the user accessing the landing page, where they are presented with essential event details in a structured manner. Navigation links smoothly guide the user through sections like the event overview, schedule, highlights, and gallery. When the user interacts with the registration form, the data is processed and submitted using the Formspree service, which sends the information directly to the organizer's email. The workflow ensures a simple, linear interaction model where users can easily find information and complete the registration process without technical difficulty.

3.4 Implementation Approach

The implementation follows a step-by-step front-end development approach, beginning with wireframing the layout to visualize the page structure. After finalizing the design, the HTML framework is built to define sections and content placement. CSS is then applied to shape the visual appearance, enhance readability, and ensure responsiveness using media queries. JavaScript is incorporated to add interactivity, such as smooth scrolling, menu effects, or dynamic UI elements. The registration form is integrated last, using Formspree to ensure secure form handling. Throughout implementation, continuous testing was performed on different devices and screen sizes to ensure proper responsiveness and usability.

3.5 Deployment

The deployment process involves hosting the landing page on a publicly accessible platform. The project can be deployed using services such as GitHub Pages, Netlify, or Vercel, which support static websites and offer smooth, free hosting options. Deployment ensures that the website can be accessed by students, faculty, and event participants from any device with an internet connection, making it fully functional for real-world usage.

CHAPTER 4: SYSTEM DESIGN

4.1 Use Case Diagram

The **Use Case Diagram** describes the interaction between the user and the system. In this project, the primary actor is the event participant, who can view event details, browse the gallery, check schedules, and submit the registration form. The system responds by displaying relevant information and forwarding the registration data via Formspree. This interaction highlights a straightforward user journey with minimal complexity, suitable for a static front-end platform.

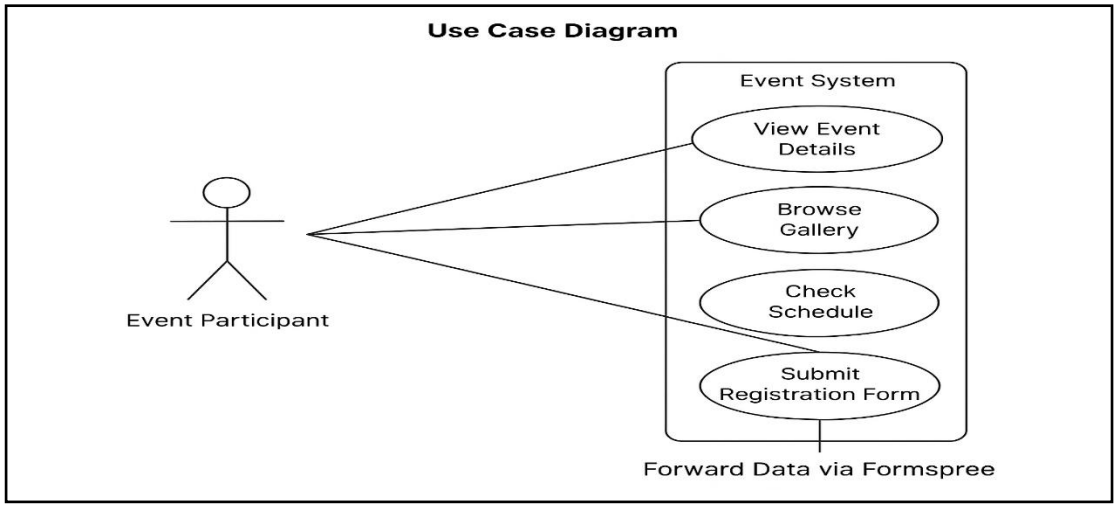

Figure 4.1: Use Case Diagram of the System

4.2 ER Diagram

Although the project does not include a database, the **ER Diagram** can be represented conceptually to illustrate data associated with the registration process. The main entity is the participant, with attributes such as name, email, phone number, and event details being captured through the registration form. Since Formspree handles submission externally, there is no internal relational database, but the conceptual ER model helps in understanding the required data fields and their significance.

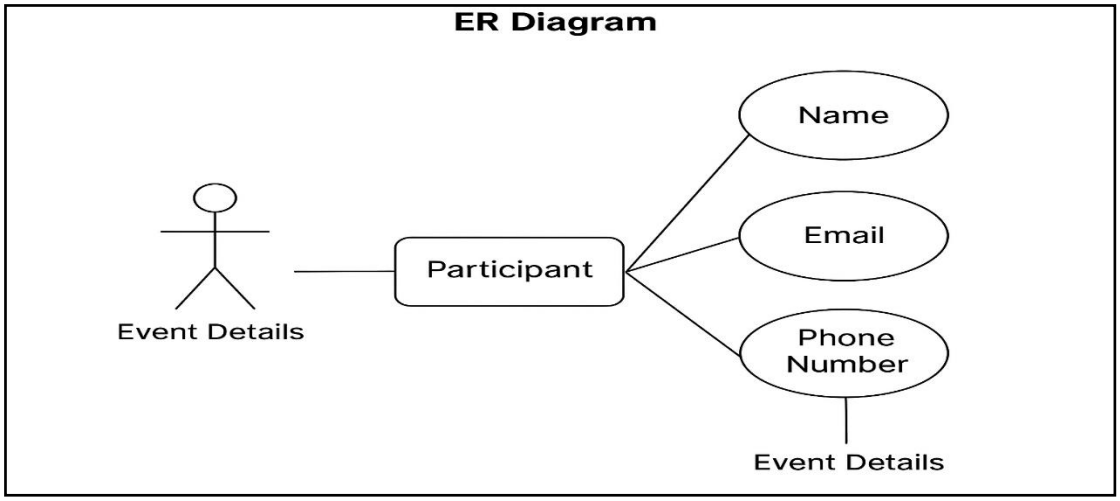

Figure 4.2: ER Diagram of the System

4.3 Data Flow Diagram

The **Data Flow Diagrams (DFDs)** illustrate how information moves through the system. At the basic level, data flows from the user to the registration form and is then sent to Formspree, which processes and forwards the data to the organizer's email. Higher-level DFDs show how users access different sections of the site—such as the homepage, schedule, gallery, and registration—where each section provides static content rendered through HTML, CSS, and JavaScript.

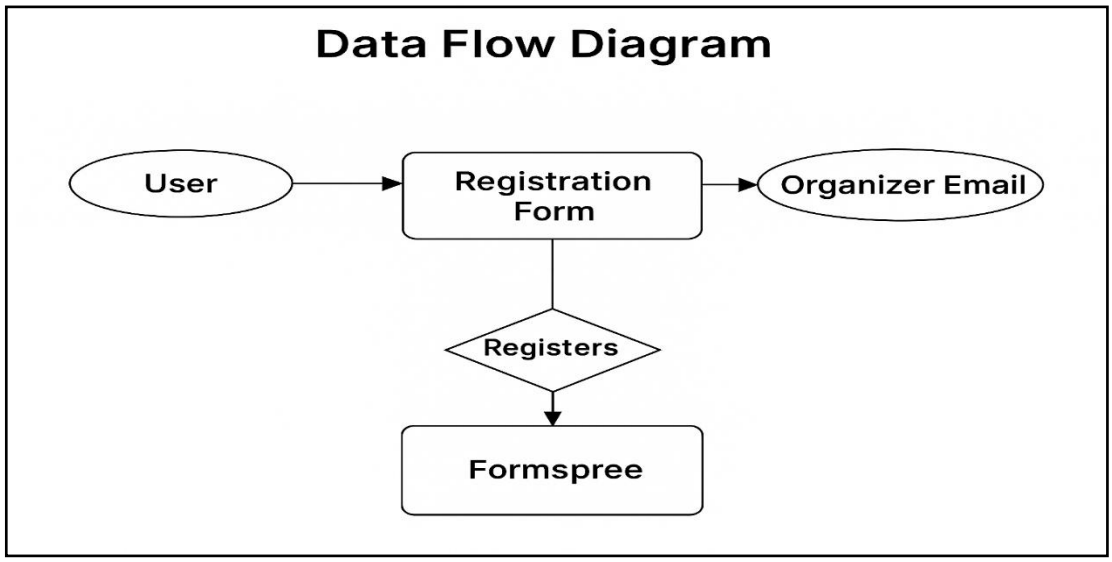

Figure 4.3: Data Flow Diagram of the System

4.4 Activity Diagram

The **Activity Diagram** explains the sequence of actions a user follows while interacting with the landing page. The process begins with the user opening the website, navigating to different event sections, reviewing details, and choosing to register. Once the registration form is filled and submitted, the activity completes with confirmation handled by Formspree. This flow ensures that users experience a smooth and logical navigation pattern.

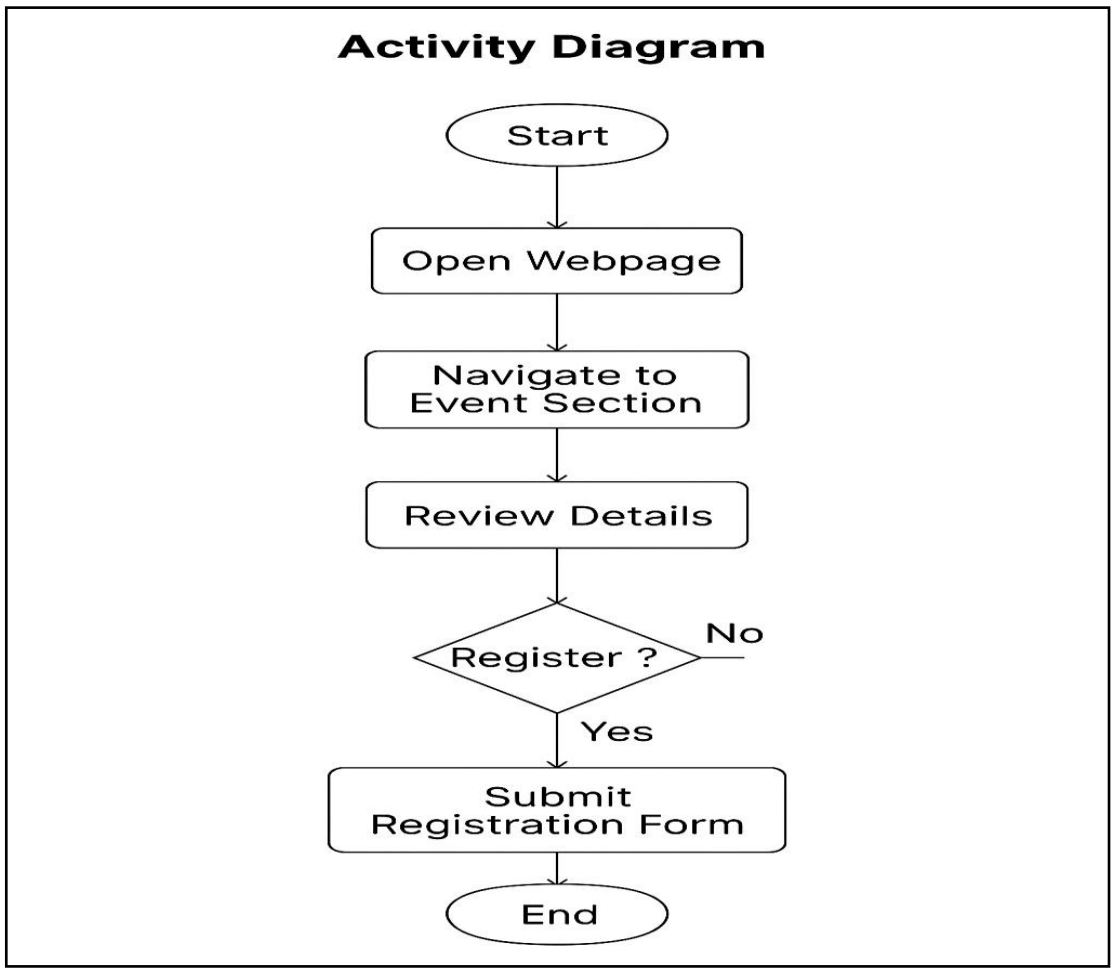

Figure 4.4: Activity Diagram of the System

4.5 Architecture Diagram

The **Architecture Diagram** represents the overall structure of the system as a client-side web application. The architecture includes the browser as the client, which loads the website files stored on a hosting platform such as GitHub Pages or Netlify. HTML provides the structure, CSS shapes the design, JavaScript handles dynamic interactions, and Formspree acts as an external service for managing form submissions. Since there is no backend, the architecture remains lightweight and optimized for fast performance.

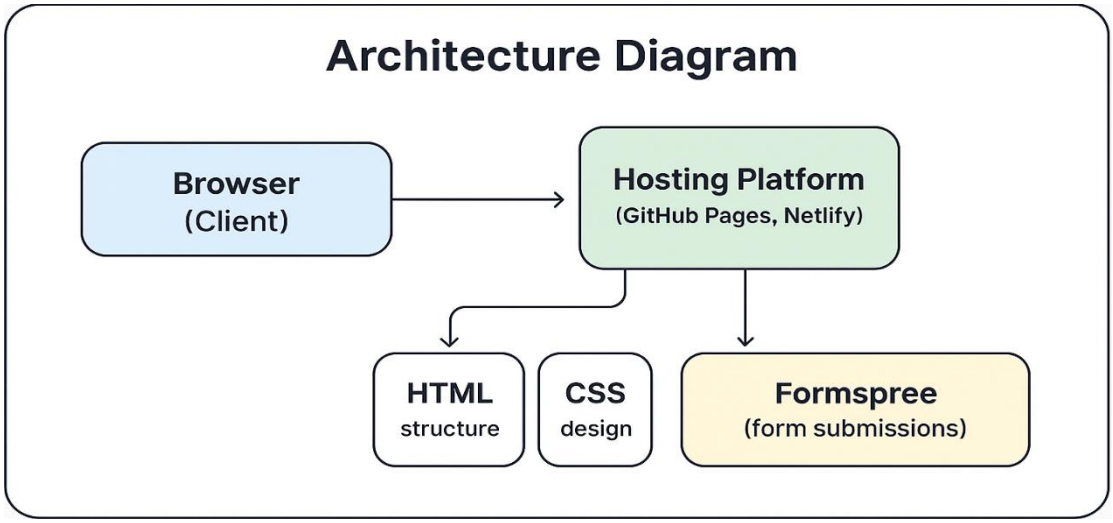

Figure 4.5: Architecture Diagram of the System

4.6 Screens and Module Descriptions

The **Screens and Module Descriptions** outline each interface component of the landing page. The homepage displays the event banner and introduction, while the schedule section provides details about event timings and sessions. The gallery section showcases images or visual highlights of the event. The registration module includes a simple form where users enter their details to participate. Each screen is designed with an emphasis on clarity, modern styling, and responsiveness, ensuring compatibility across devices and making the platform convenient for all users.

CHAPTER 5: RESULT & DISCUSSION

5.1: Navigation Bar and Responsive Menu Layout

The navigation bar provides quick access to key sections such as Home, About, Schedule, Gallery, Testimonials, and Register. On smaller screens, the navigation bar collapses into a hamburger menu for seamless mobile navigation.

Figure 5.1: Navigation Bar and Responsive Menu Layout

5.2: Hero Section – Background Image/Video with CTA Button

This section contains a full-width hero banner with a background image/video, event title, and subtitle. The "Register Now" button directs users to the registration form, improving user engagement and call-to-action effectiveness.

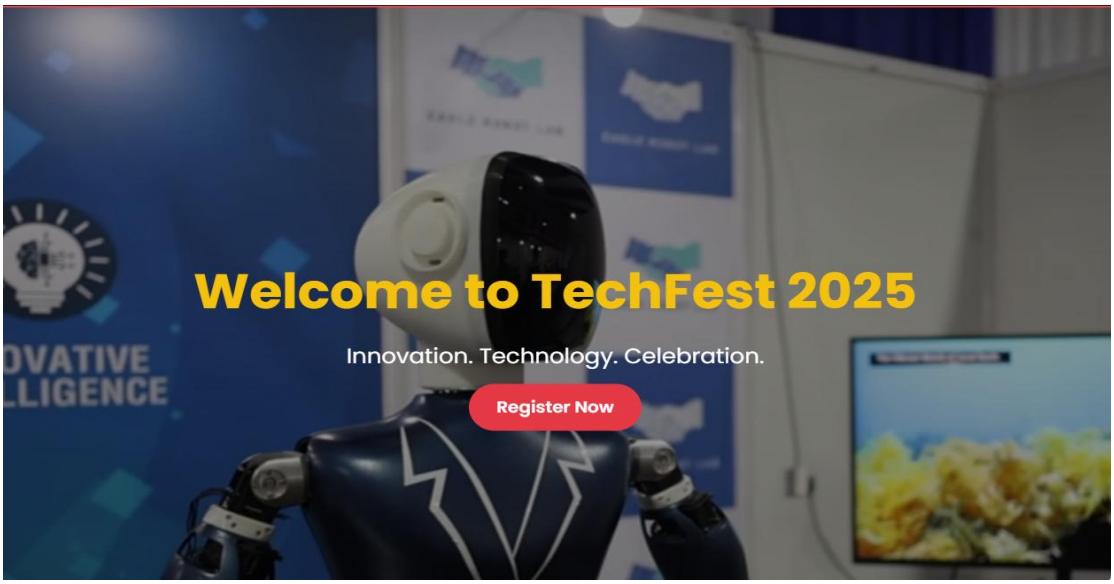

Figure 5.2: Hero Section – Background Image/Video with CTA Button

Figure 5.3: Event Schedule Section (Event Cards)

The event schedule displays event sessions in card format. Each card includes the event title, time, venue, and speaker details. The structure improves readability for attendees planning their participation.

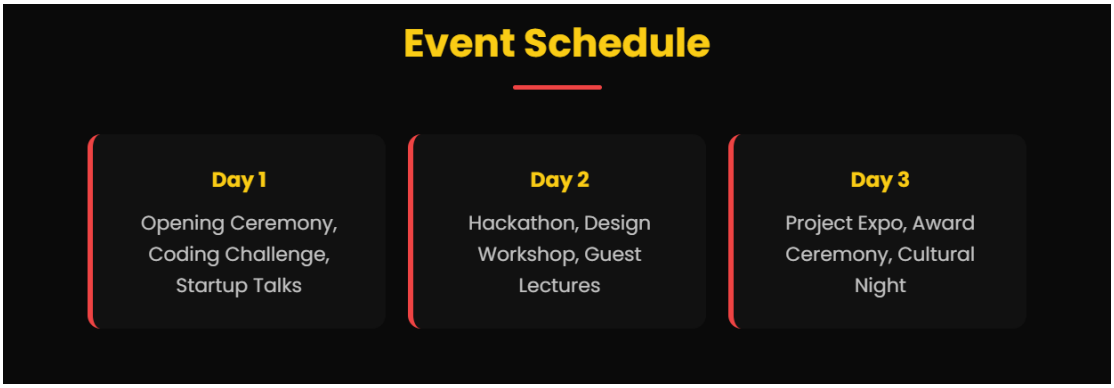

Figure 5.3: Event Schedule Section (Event Cards)

5.4: Gallery Lightbox View

Clicking any image opens a lightbox view for a better visual experience.

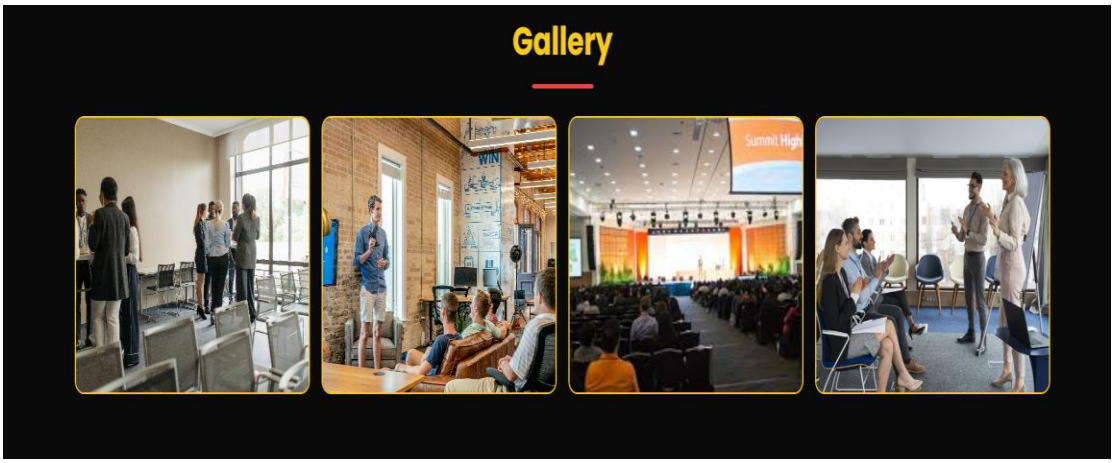

Figure 5.4: Gallery Lightbox View

5.5: Testimonials Section – Participant Feedback

User testimonials are displayed in slider format. Each card includes participant name, photo, and feedback. This builds trust and credibility for the event.

Figure 5.5: Testimonials Section – Participant Feedback

5.6: Registration Form

The registration form captures user details such as name, email, phone, event selection, and message. Submission is handled through Formspree API for secure and reliable data collection.

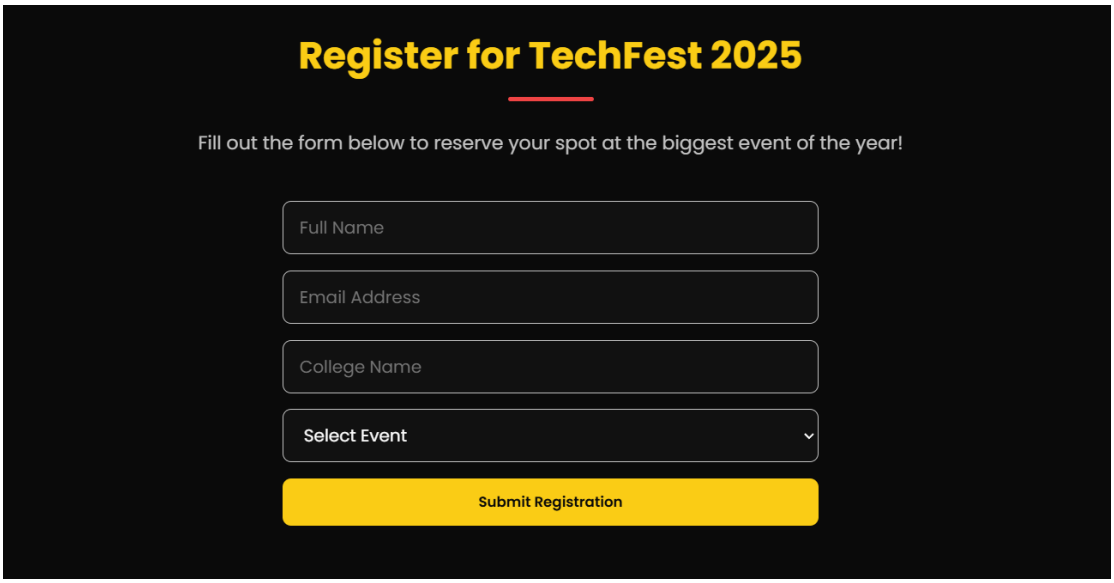

Figure 5.6: Registration Form

5.7: Footer Section – Social Media & Contact Links

The footer includes contact information, social icons, and quick navigation links, ensuring accessibility to all essential information.

Figure 5.7: Footer Section – Social Media & Contact Links

5.8: Desktop Preview – Full Home Page Layout

A full-page screenshot showing how the homepage appears on a wide desktop screen.

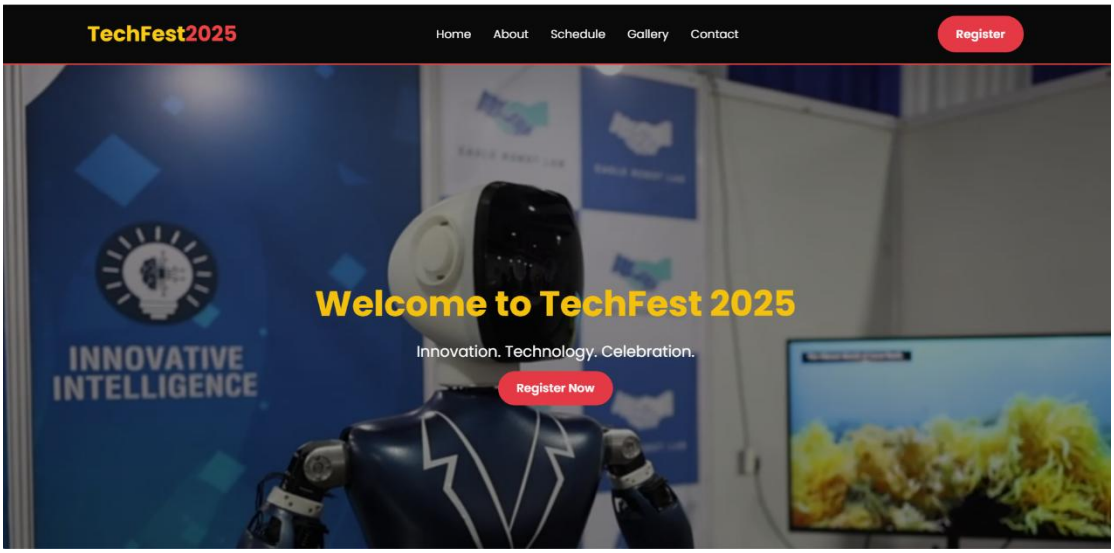

Figure 5.8: Desktop Preview – Full Home Page Layout

5.9: Mobile View – Event Schedule Cards

Event cards stack vertically for mobile, ensuring clean, readable formatting.

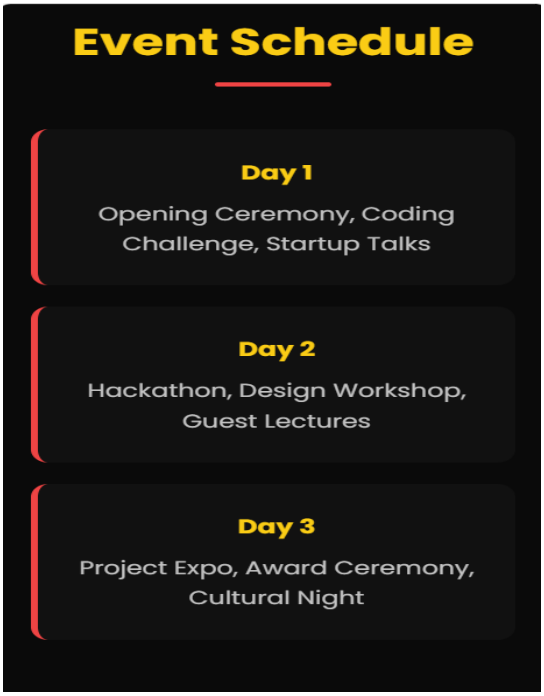

Figure 5.9: Mobile View – Event Schedule Cards

5.10: Mobile View – Registration Form

Form fields stack vertically and resize properly for touch interactions.

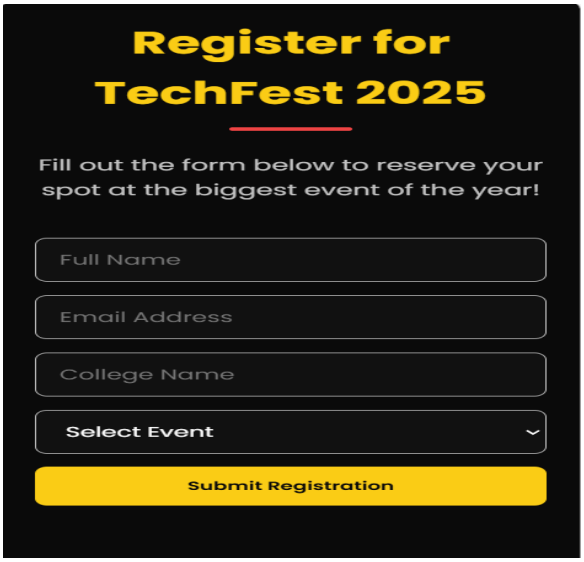

Figure 5.10: Mobile View – Registration Form

CHAPTER 6: CONCLUSION

6.1 Summary of Outcomes

The Web-Based Event Registration System has been developed with the aim of creating a modern, responsive, and user-friendly online platform for promoting college events and managing participant registrations efficiently. The project successfully delivers a clean interface, smooth navigation, and an attractive layout that works well across all devices, including mobile phones, tablets, and desktops. The integration of Formspree ensures that user registrations are collected securely without the need for a complex backend setup. Overall, the system demonstrates the practical application of web development concepts and achieves its primary goal of offering a simple yet effective solution for event-related information and user engagement.

6.2 Limitations

Despite fulfilling its main objectives, the system has certain limitations. Since it does not include a dedicated backend database, the ability to store, retrieve, and manage participant information is limited. The system also lacks administrative controls for updating event details or analyzing registration data. Automated notifications such as confirmation emails or reminders are not built into the platform. Additionally, all content remains static and must be updated manually, and the absence of server-side validation limits advanced security features. These limitations suggest the need for further enhancements to support more complex event management tasks.

6.3 Future Scope

The project has significant scope for future development. Integrating a backend database would allow for more efficient participant management and enable advanced analytics. The addition of an admin dashboard could help organizers update event details, manage registrations, and generate reports easily. Features such as automated emails, payment gateway integration, user login systems, and dynamic content management would further improve functionality. The system could also be expanded into a dedicated mobile application to make the event experience more accessible. With these improvements, the platform can evolve into a complete event management solution capable of supporting large-scale institutional events.

There are several opportunities to enhance and extend the system in future versions:

Integration of a backend database (MySQL, Firebase, MongoDB) for better data storage and analytics.

Admin dashboard: A secure portal for event organizers to add events, view registrations, update content, and download reports.

Automated email notifications: Registration confirmation, payment links, reminder alerts, or QR-based entry passes.

Payment gateway integration: Razorpay, Stripe, or UPI for paid event ticketing.

Advanced search and filtering: Allow users to filter events based on category, date, or location.

User login system: Registered users could track their event history, download badges, or reschedule attendance.

AI-powered recommendation: Suggest events to users based on interests or previous participation.

Mobile App Version: A cross-platform mobile application using Flutter or React Native.

CHAPTER 7: REFERENCES

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