

Event Management System

পরিকল্পনা থেকে বাস্তবায়ন - সাজসজ্জা

Presented By:

Tamanna Sultana
ID: 22201059

Farhana Chowdhury Ety
ID: 22201078

Presented To:

Noor Mairukh Khan Arnob
Lecturer, CSE
University Of Asia Pacific



Welcome

Introduction

Event Management System is a web-based and mobile-responsive platform designed to organize and manage all kinds of events (weddings, birthdays, conferences, concerts, etc)

Our project automates and simplifies the process, saving time, effort, and costs.

Proposed solution

Problem	Proposed Solution
Manual planning takes too much time	Automate scheduling and planning with templates and reminders.
Communication gap between team members	Built-in chat and notifications for instant updates.
No centralized platform for vendors and clients	Single platform to manage vendors, clients, and documents.
Difficult to manage money and budget	Budget tracking, expense reports, and alerts for overspending.
Keeping track of guests is difficult	Digital guest list, RSVP management, and automated invitations.
No single place to manage the whole event	Centralized dashboard for all event activities.
Last-minute changes are hard to handle	Real-time updates and instant notifications for all changes.
No proper way to get feedback from guests	Online feedback forms and surveys after the event.

Features



Admin:

- Controls the whole system.
- Add or remove users



Event Manager:

- Plan and manage events.
- Assigns tasks



Vendors:

Receives tasks and updates services.



User :

- Views event details
- Online Booking & Registration
- Gives feedback.

Event Creation & Scheduling:

- Create new events with date, time, and venue.
- Set reminders and deadlines.

Innovations



End-to-end event lifecycle management in one system.



Modular design allows users to select only the features they need.



Smart vendor matching based on budget and preferences.



AI-based analytics for predicting attendance and suggesting improvements.

Existing Similar Systems

System Name	Key Features	Functionalities	Limitations
Eventbrite	<ul style="list-style-type: none">▪Event creation▪Online ticketing▪Email promotion tools	<ul style="list-style-type: none">▪Real-time registration tracking▪Ticket sales dashboard	<ul style="list-style-type: none">▪High service fees▪Limited customization▪No vendor management
Cvent	<ul style="list-style-type: none">▪Venue sourcing▪Budgeting tools▪Event analytics	<ul style="list-style-type: none">▪End-to-end planning▪Advanced reporting▪Attendee tracking	<ul style="list-style-type: none">▪Complex UI-▪Expensive for small events▪Overloaded for simple use
Whova	<ul style="list-style-type: none">▪Agenda building▪Mobile app support▪Attendee engagement tools	<ul style="list-style-type: none">▪Real-time agenda updates▪Attendee networking▪In-app messaging	<ul style="list-style-type: none">▪No vendor features▪Limited admin control▪Basic feedback collection



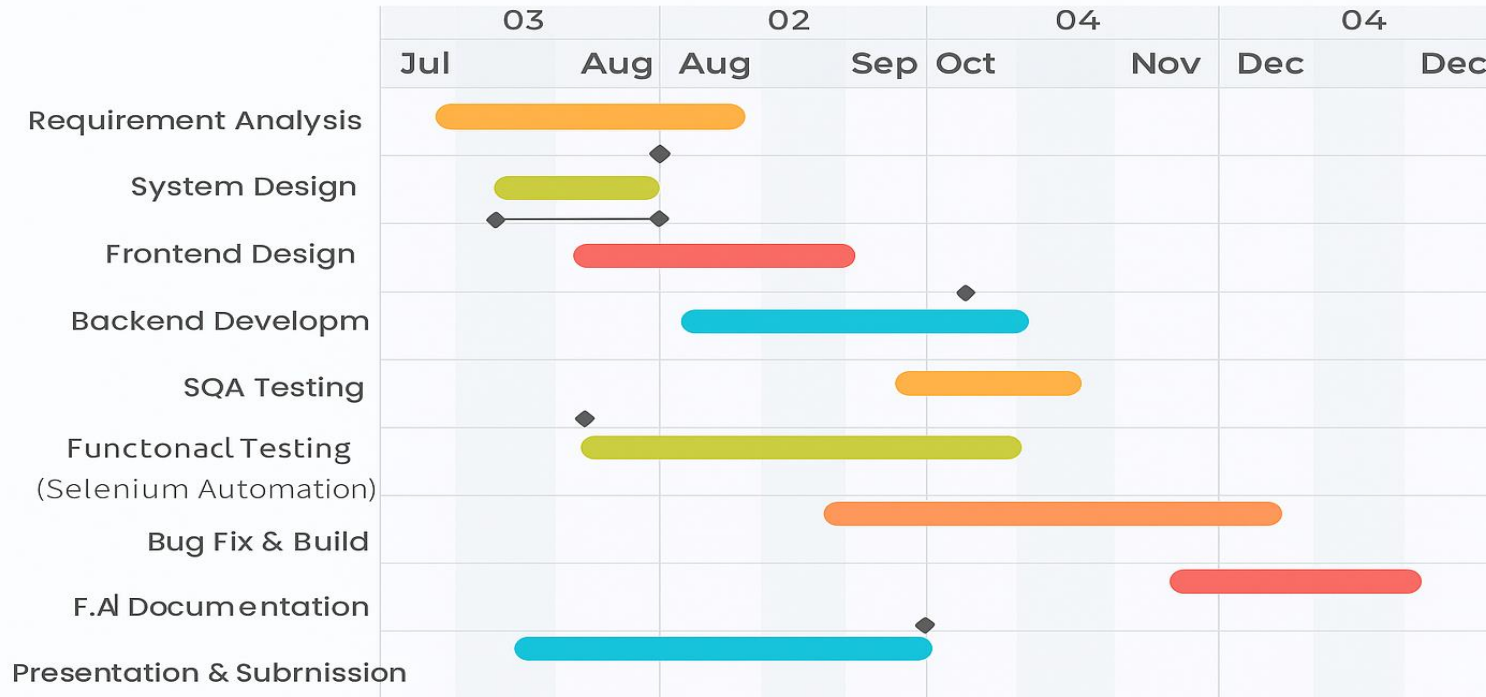
Literature Review

System	Pros	Cons	Potential Improvements in Our System
Eventbrite	<ul style="list-style-type: none">• Simple event setup• Effective ticketing & email campaigns	<ul style="list-style-type: none">• High ticket fees• Limited features for private/custom events	<ul style="list-style-type: none">• Free/low-cost model• More customization• Built-in vendor & budget tools
Cvent	<ul style="list-style-type: none">• Full event lifecycle management• Advanced analytics & reporting	<ul style="list-style-type: none">• Complex interface• High cost for small users	<ul style="list-style-type: none">• User-friendly design• Modular features• Affordable for all organizers
Whova	<ul style="list-style-type: none">• Good for conferences• Attendee networking & agenda tools	<ul style="list-style-type: none">• No vendor management• Basic feedback tools	<ul style="list-style-type: none">• Vendor portal with reviews• Strong feedback system & analytics

Gantt Chart



Gantt Chart Timeline of Event Management System





Gantt Chart Timeline of Event Management System

Phase	Tasks	Timeline	Deliverables	Milestones
1. Planning Phase	Requirement Analysis	July – August	Software Requirement Specification (SRS)	Requirement Freeze (Aug)
2. Design Phase	System Design	July – August	System Architecture & Database Schema	Design Approval (Aug)
	Frontend Design	August – September	Wireframes, UI Prototypes	
3. Development Phase	Backend Development	August – October	Backend Modules, API Implementation	Backend Feature Freeze (Oct)
4. Testing Phase	SQA Testing (Manual)	October – November	Bug Reports, Test Cases, QA Reports	Testing Sign-off (Nov)
	Functional Testing (Selenium Automation)	August – November	Selenium Scripts, Automation Logs	
5. Deployment Phase	Bug Fixing & Final Build	October – December	Stable Final Build	Final Build Release (Dec)
6. Documentation Phase	F.A.I Documentation	November – December	Final Project Report (F.A.I)	Report Approval (Dec)
7. Presentation & Handover	Presentation & Submission	July – October	PowerPoint, Presentation Materials	Project Submission (Oct)

Economic and Technical Feasibility Study

Technical Feasibility

Category	Tools / Technologies
Frontend	HTML, CSS
Backend	Django (Python)
Database	MySQL
Testing Tools	Selenium
Dev Tools	VS Code, GitHub
Hardware	Standard PCs, Internet, Devices

Economic Feasibility

Estimated Costs




Resource	Duration	Estimated Cost (BDT)
Web Developers (2 persons)	3 months	₹220,000 × 2 = ₹440,000
UI/UX Designer (freelance)	Per project	₹60,000
QA Tester (part-time/full-time)	1–2 months	₹25,000 × 2 = ₹50,000
Project Manager (part-time)	3 months	₹20,000/month = ₹60,000
Domain and Hosting	Annual	₹10,000
Tools & Software Licenses	Testing tools, IDEs, plugins	₹10,000
Miscellaneous (marketing, docs)	One-time	₹10,000
▼ Total Estimated Cost		₹710,000

Potential Cost-Effectiveness

- ❖ **Reduced Manual Work:** Automates event registration, ticketing, and notifications, saving time and staffing costs.
- ❖ **Low Operational Cost:** Uses open-source tools and cloud hosting, minimizing infrastructure expenses.
- ❖ **Reusable System:** One-time development can support multiple events without extra cost.
- ❖ **Revenue Opportunities:** Can generate income through subscriptions, ticket commissions, or premium features.
- ❖ **Improved Efficiency:** Real-time tracking and analytics help in better planning and resource utilization.



Conclusion

- ✦ The Event Management System streamlines the entire event planning process by integrating essential features such as registration, scheduling, communication, and task coordination. It reduces manual workload, enhances user experience, and improves overall efficiency. By automating key operations, it ensures timely execution and better resource management. This system not only saves time and cost but also allows organizers to focus on delivering successful and memorable events.
- 
- 
- 



THANK YOU

ANY QUESTIONS?