



# AI Event Organiser

Smart Event Planning and Participation Powered by AI

# Introduction to Event Management

## What is Event Management?

Event management encompasses the strategic planning, coordination, and execution of gatherings ranging from intimate personal celebrations to large-scale corporate functions. It involves meticulous orchestration of multiple components including venues, vendors, budgets, timelines, and guest experiences.

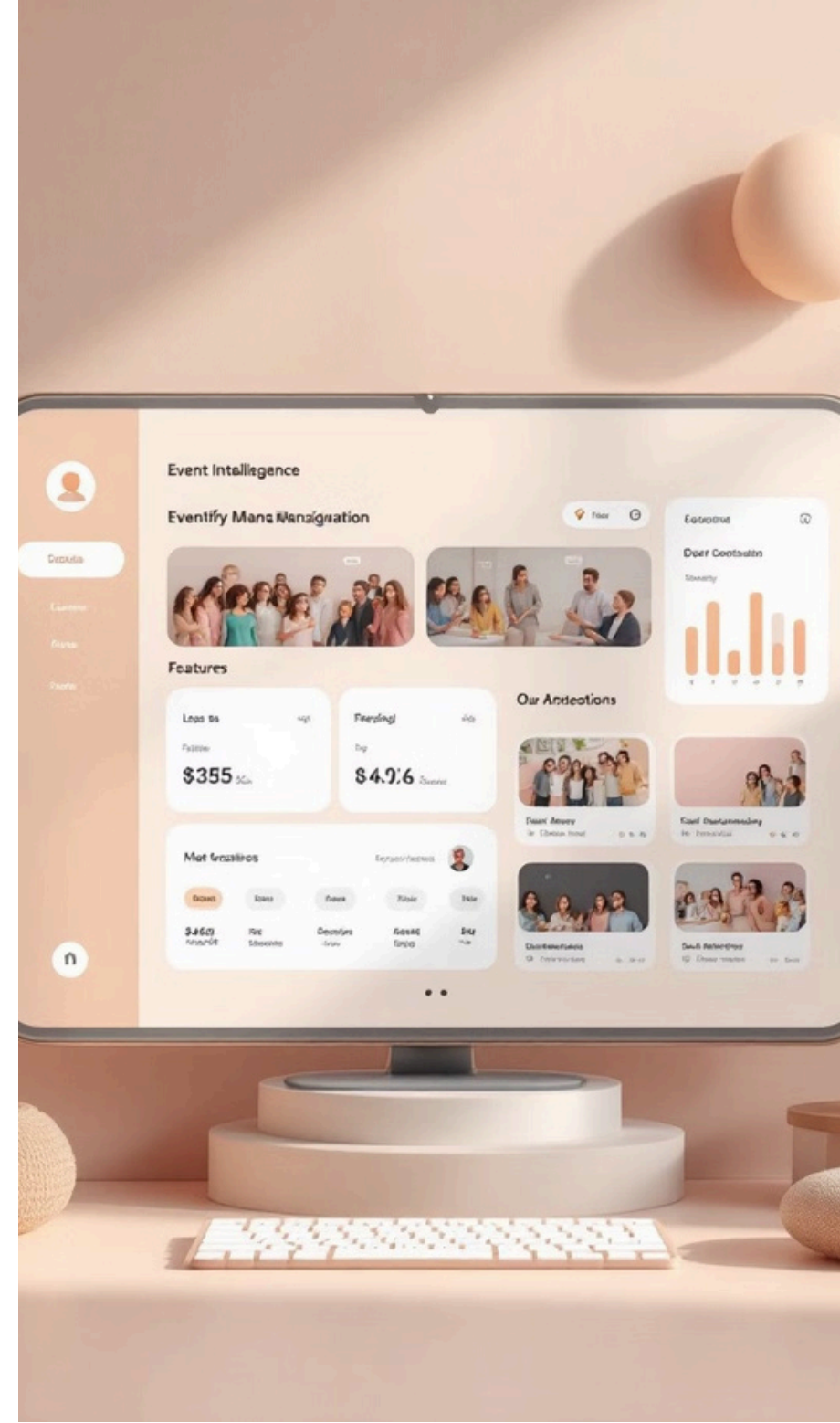
The complexity increases exponentially with event scale and stakeholder expectations.

## The AI Revolution

Artificial intelligence transforms event planning from a time-intensive manual process into an intelligent, automated workflow.

AI algorithms analyse patterns, predict outcomes, optimise resources, and generate personalised recommendations.

This technological advancement democratises professional-grade event planning, making it accessible to everyone regardless of expertise.



# Problem Statement

## Time Constraints

Planning an event requires 50-200+ hours of research, coordination, and follow-up. Most people simply don't have the time whilst managing daily responsibilities.

## Lack of Expertise

Without professional experience, individuals struggle to make informed decisions about venues, vendors, timelines, and budgets, leading to costly mistakes.

## Coordination Chaos

Managing multiple vendors, synchronising schedules, tracking payments, and ensuring seamless communication creates overwhelming complexity and stress.

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Traditional event planning relies on manual processes—spreadsheets, endless emails, phone calls, and fragmented information. This approach is inefficient, error-prone, and mentally exhausting for organisers.

# Real-Life Case Study

## Sarah's Wedding Planning Journey

### 1 — The Challenge

Sarah needed to plan a 150-guest wedding within six months whilst working full-time. She had no prior experience and a fixed budget of £25,000.

### 2 — Traditional Approach Issues

Spent 80+ hours researching venues, contacted 45 vendors individually, created 12 different spreadsheets, missed budget by 18%, experienced vendor conflicts.

### 3 — AI Event Organiser Solution

Inputted preferences and budget. AI generated complete plan in minutes with venue options, pre-vetted vendors, automated scheduling, and real-time budget tracking.

### 4 — Outcome

Planning time reduced to 15 hours. Stayed 5% under budget. Zero scheduling conflicts. Professional coordination without the stress.





# Project Objectives

## Primary Objectives

- Automate end-to-end event planning workflow using AI-driven recommendations
- Reduce planning time by 80% through intelligent automation
- Provide real-time budget tracking and financial optimisation
- Match users with ideal venues and vendors based on intelligent algorithms

## Secondary Objectives

- Create centralised dashboard for managing all event components
- Enable seamless communication between organisers and vendors
- Generate detailed analytics and post-event insights

## Technical Objectives

- Build scalable full-stack SaaS architecture
- Integrate Gemini API for natural language processing and intelligent recommendations
- Implement secure authentication and role-based access control
- Design responsive interface optimised for all devices

## Long-Term Business Objectives

- Establish marketplace ecosystem connecting vendors and clients
- Expand to international markets with localised features
- Develop enterprise-tier solutions for professional planners

# Project Category

## Full-StackSaaS-Based AI-Powered Event Management Web Application

### Software as a Service Model

Cloud-hosted platform accessible via web browser without installation. Users subscribe to access features, with automatic updates and maintenance handled centrally. Multi-tenant architecture serves multiple organisations simultaneously.

### Scalability & Accessibility

Infrastructure scales automatically to handle growing user base. Accessible from any device with internet connectivity. Pay-as-you-grow pricing model reduces barriers to entry for individual users and enterprises alike.

### Continuous Innovation

Regular feature updates deployed seamlessly without user intervention. AI models continuously improve through machine learning from aggregate usage patterns whilst maintaining data privacy.



# System Modules & Components



## UserModule

Profilemanagement, event creation wizard, preference settings, notification centre, and personalised dashboard with event history and saved templates.



## AIPlanning Module

Gemini API integration fornatural language processing, intelligent recommendation engine, budget optimisation algorithms, and automated scheduling with conflict detection.



## Venue & Vendor Module

Searchable databasewith filtering, vendor profiles with ratings and reviews, availability calendars, quote comparison tools, and booking management system.



## Dashboard Module

Real-time eventoverview, budget tracking with visual charts, timeline management, task lists with progress indicators, and communication hub for all stakeholders.



## Admin Module

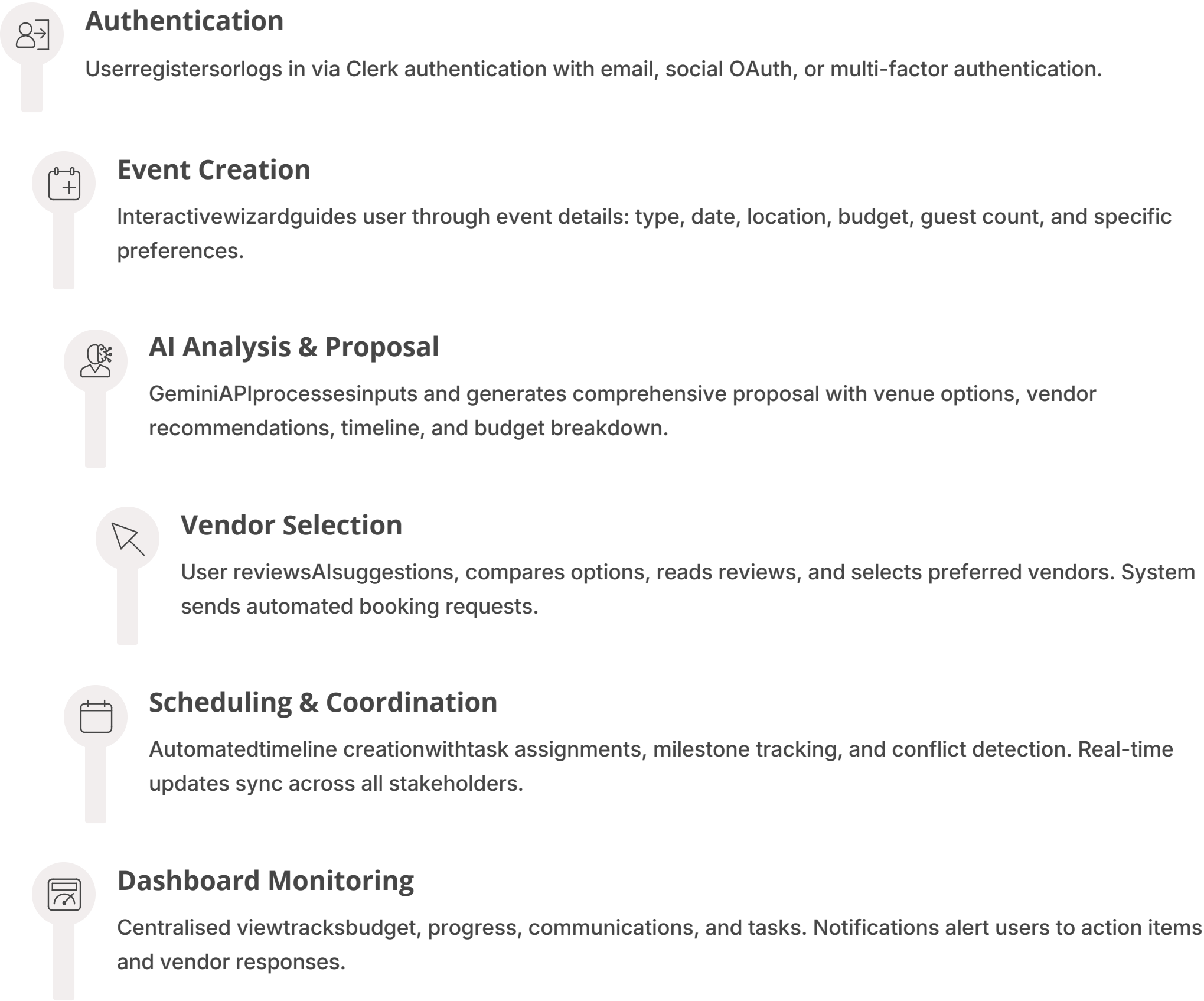
System configuration, vendor verification and approval workflow, user management, analytics and reporting tools, and content moderation capabilities.



## Authentication Module

Clerk-powered securelogin with multi-factor authentication, role-based access control, session management, and OAuth integration for social logins.

# Complete System Workflow



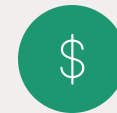


# Advantages



## Streamlined Planning

AI-based event planning dramatically reduces time, effort, and manual decision-making, accelerating the entire process.



## Cost Efficiency

Eliminates dependency on expensive event management companies and middlemen, providing a more cost-efficient solution for all users.



## Data-Driven Decisions

Users receive data-driven suggestions for the best venues, vendors, pricing, and scheduling, ensuring optimal choices.



## Unified Platform

Offers a single, integrated platform for comprehensive planning, booking, management, and tracking of all event aspects.



## Enhanced Coordination

Ensures seamless communication and better coordination between organisers, vendors, and event participants, reducing friction.



## Superior User Experience

Enhances user experience with smart reminders, automated updates, and real-time notifications, keeping everyone informed.












## Versatile Solution

A cost-efficient platform suitable for both individuals planning personal events and businesses organising large-scale functions.



# Future Scope & Enhancements

Our roadmap for the AI Event Organiser includes a range of powerful features designed to further elevate the user experience and expand capabilities, ensuring we remain at the forefront of event technology.

	<div>Payment Integration</div> <div>Seamless online booking and transactions via Razorpay, PayPal, and Stripe.</div>
	<div>QR Entry &amp; Tracking</div> <div>Effortless guest check-in with QR-based passes and automated attendance.</div>
	<div>Integrated Communication</div> <div>Built-in chat and video conferencing for organisers and vendors.</div>
	<div>Native Mobile Apps</div> <div>Dedicated iOS and Android applications for on-the-go accessibility.</div>
	<div>Multi-Event Coordination</div> <div>Tools for large organisations managing multiple concurrent events.</div>
	<div>Advanced Budgeting</div> <div>Expense prediction, cost estimation, and robust financial management tools.</div>
	<div>Sentiment Analysis</div> <div>AI-powered feedback analysis to gauge post-event success and satisfaction.</div>
	<div>AR/VR Previews</div> <div>Immersive augmented and virtual reality experiences for event walkthroughs.</div>
	<div>Global Vendor Network</div> <div>An expanded marketplace connecting users with international suppliers.</div>

# Conclusion

The AI Event Organiser represents a paradigm shift in event management, delivering an intelligent and comprehensive solution for planners worldwide.

## Smart, Automated Platform

Simplifies scheduling, budgeting, vendor selection, and ticket management for a seamless event planning experience.

## Efficiency & Accuracy

Leverages AI, cloud technology, and real-time data analytics to reduce manual burden, save time, and ensure optimal decision-making.

## Future-Proof Innovation

A scalable commercial platform with strong potential to transform and lead the modern event management industry.

# Thank You

We sincerely appreciate your valuable time and interest in the AI Event Organiser.

We are excited about the future of intelligent event management and look forward to partnering with you.