

Chapter-1

INTRODUCTION

1.1 Introduction:

Event management is a process of organizing a professional and focused event, for a particular target audience. It involves visualizing concepts, planning, budgeting, organizing and executing events such as wedding, musical concerts, corporate seminars, exhibitions, birthday celebrations. theme parties, etc.

Event Management is a multi million dollar industry, growing rapidly, with events hosted regularly. Surprisingly, there is formalized research conducted to access the growth of this industry. The industry includes fields such as the MICE (Meetings, Incentives and Events), exhibitions, conferences and seminars as well as live music and sporting events. On the profession side, event management is a glamorous and exciting profession that demands a lot of hard work and dynamism. The logistics side of the industry is paid less than the sales/sponsorship side, though some may say that these are two different industries.

Event management is the application of project management to the creation and development of large scale events. The process of planning and coordinating the event is usually referred to as event planning and which can include scheduling, site selection, acquiring necessary permits, coordinating transportation and parking, arranging for speakers or entertainers, arranging decor, event security, catering, coordinating with third party vendors, and emergency plans.

1.2 Motivation:

One of the most common and important motivations for working in event planning is passion. Passion for creating memorable experiences, for bringing people together, for expressing your vision and style, and for making an impact. Passion is what fuels your enthusiasm, your dedication, and your resilience in the face of obstacles and stress. Passion is also what makes you stand out from other candidates in an interview. To demonstrate your passion, you need to show your knowledge, your curiosity, and your excitement about the industry, the trends, and the specific event you are applying for.

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PROBLEM STATEMENT

2.1 Literature Survey:

We have studied several papers based on event management system.

[1]“Barcode Enabled Event Management System for Logistics and Consumables Management” which was published by Aswin Chandrasekharan, Nikhail Venkat, Aniruddha P.B, and Siva Rama Krishnan Somayaji. In this paper authentication is provided by barcode. Barcode used to ensure smooth and quick registration. It is faster and efficient as well as it is secure .The outcome of this is quick and secured registration.

[2] “Smart Event Management System” which is published by Assistant Prof. Khalil Pinjari and Khan Nur. This paper introduced a system which will be computerized and has been developed using advanced language. It was a web application. Now a day’s, the events such as festivals, wedding etc. have become a core part of life which has resulted in event planning and Management Company to rise. With the customers and events increasing at larger rate, it is difficult to manage using traditional system using spreadsheets, traditional database and more. In order to overcome the drawbacks of traditional Event Managing System, a new Smart Event Management System has been introduced which uses the modern technology of .Net Framework for managing various tasks and planning for employees, customer, location, transport and more.

[3]“ Event Management System” which is published by M. Mahalakshmi, S. Gomathi and S. Krithika,.The main idea of this paper is used to maintain the College Event information and organize the event and to send the Student Registration time through sms with verification code to the student using mobile application based on Android App. The tools constitutes Android SDK development, Java. Aniruddha P.B, and Siva Rama Krishnan Somayaji. In this paper authentication is provided by barcode. Barcode used to ensure smooth and quick registration. It is faster and efficient as well as it is secure

2.2 Need of work:

Certainly! When discussing the need for work in an event management project, essentially highlighting the areas where attention, effort, or improvement is required. Here are some points to consider. By addressing these areas of work in our event management project, we can ensure that the project is well-planned, executed effectively, and aligned with the needs and expectations of stakeholders.

- 1. Growing Demand for Events:** Start by mentioning the increasing demand for events across various sectors, including corporate, social, cultural, and sports. Explain how events serve as platforms for networking, education, entertainment, and brand promotion.
- 2. Complexity of Event Planning:** Highlight the complexities involved in planning and executing successful events. Discuss the numerous factors that need to be considered, such as venue selection, budgeting, marketing, logistics, and risk management.
- 3. Professional Expertise Required:** Emphasize the need for professional expertise in event management to ensure that events are planned and executed effectively. Discuss how trained professionals can navigate challenges and optimize resources to deliver successful outcomes.
- 4. Meeting Stakeholder Expectations:** Explain how events often involve multiple stakeholders, including clients, sponsors, vendors, attendees, and regulatory authorities. Discuss the importance of meeting stakeholder expectations in terms of event objectives, budgetary constraints, timelines, and quality standards.
- 5. Enhancing Brand Image and Reputation:** Highlight the role of events in enhancing brand image and reputation for organizations. Discuss how well-executed events can create positive impressions, strengthen relationships with stakeholders, and differentiate brands from competitors.

2.3 Problem statement:

In today's fast-paced world, organizing and managing events efficiently has become increasingly challenging. Traditional methods of event planning often lack organization, accessibility, and real-time communication, leading to confusion, delays, and ultimately, dissatisfaction among both event organizers and participants. Therefore, there is a growing need for a comprehensive event management website that streamlines the entire process, from planning and promotion to execution and post-event analysis, providing users with a user-friendly platform to create, manage, and promote events seamlessly.

2.4 Objectives:

- To provide a user-friendly website that will organize the data efficiently.
- To Develop a strategic marketing plan to promote the event.
- To create memorable experiences.
- To Coordinate logistical aspects such as seating arrangements, and technical requirements.
- To develop a detailed budget outlining expenses and projected revenue.
- To establish mechanisms for evaluating the success of the event management project.
- To creating and managing event schedules, including sessions, speakers, entertainment.

DESIGN DETAILS

3.1 System Architecture:

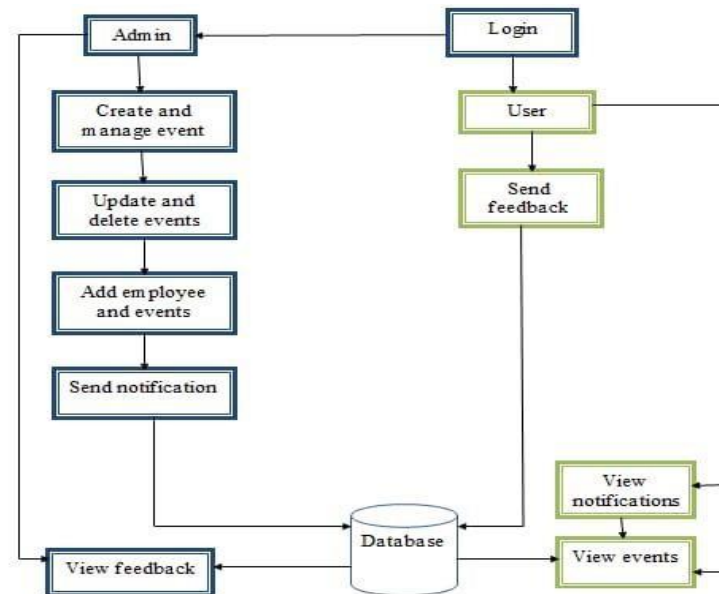


Fig. System Architecture

In above figure, shows the system architecture of proposed system which contains event management. The system allow registered user login and new user are allowed to register on the application. The system helps in the management of events, users and the aspects related to them.

3.2 Modules:

Module-1: Admin Login:

In the Admin login form, the administrator has to enter the username and password to login into the event management system menu form. This module provides a secure authentication mechanism for administrators to access the system. It includes features such as username/password authentication, multi-factor authentication, password encryption, session management, and account management (e.g., password reset).

Module-2: Security & Authentication Module:

Security & Authentication module is main module Which can provide security processing of the system by using username, password. This module encompasses various security measures to protect the system from unauthorized access, data breaches, and other security threats. It includes features such as role-based access control (RBAC), data encryption, secure connections (HTTPS), input validation, firewall protection, and security audits.

Module-3: Main Menu:

In the event management system main menu form, the menus are split into event details, registration, token details and reports. The main menu serves as the navigation hub for users to access different functionalities of the event management system. It provides an intuitive interface with options to navigate to various modules and features within the system, such as event details, management, reporting, decoration cards, Venues.

Module-4: Event Details:

In the event details form, it includes the event id, event name, event organizer, and event fee and event contact number. This module allows administrators to manage the details of events hosted within the system. It includes features such as event creation, editing, and deletion; event scheduling (date, time, duration); venue management (location, capacity, amenities); agenda management (sessions, speakers, topics); attendee registration; and event-specific settings.

3.3 System Design Diagrams:

3.3.1 Data Flow Diagram

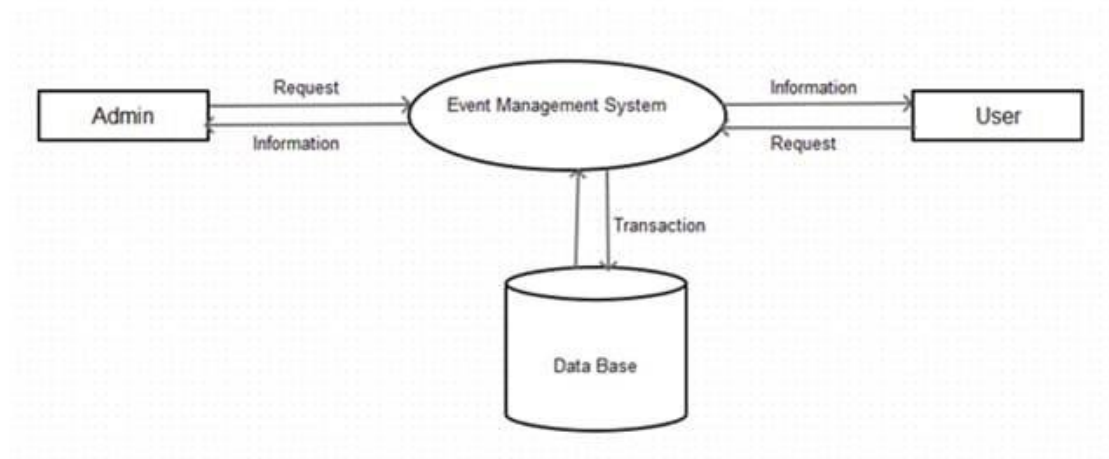


Fig.3.3.1 DFD for exploring event management system

3.3.2 Sequence Diagram

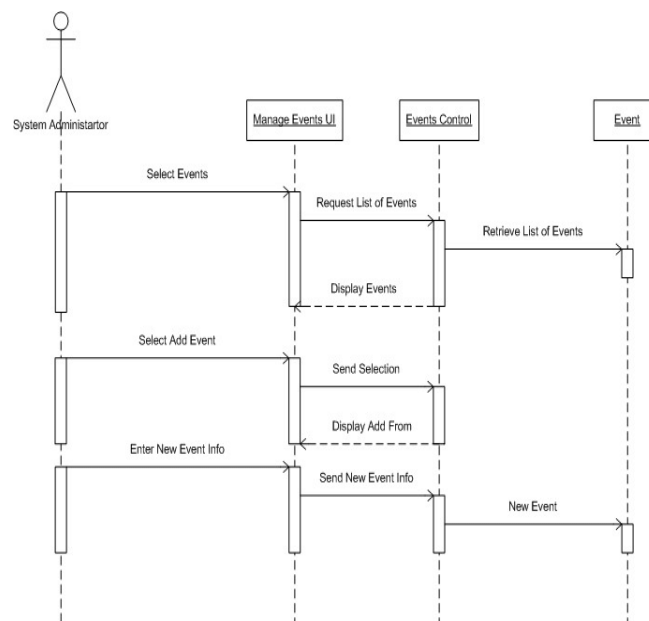


Fig.3.3.2 Sequence Diagram

3.3.3 Use Case Diagram:

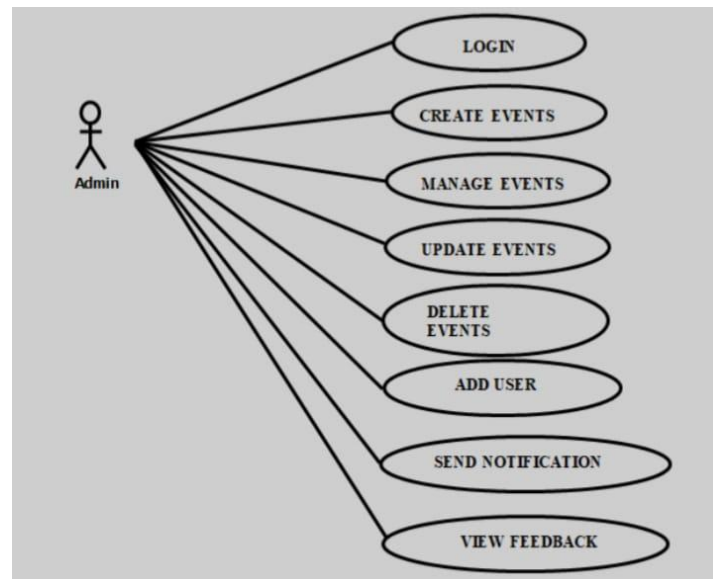


Fig.3.3.3 Use Case Diagram

Chapter-4

IMPLEMENTATION

4.1 System Requirements:

- **Hardware:**

- 1. Processor:**

Model: 11th Gen Intel Core i3-1125G4

Base Frequency: 2.00 GHz

Max Turbo Frequency: Not provided (Turbo Boost capable)

Cores: 4

Threads: 8

Cache: 8 MB Intel Smart Cache

Graphics: Intel Iris Xe Graphics (Integrated)

- 2. Installed RAM:** The amount of installed RAM (Random Access Memory) isn't specified. RAM capacity affects the system's multitasking capabilities and overall performance. For optimal performance, it's recommended to have at least 8GB of RAM for general computing tasks, though higher capacities may be beneficial for more demanding workloads.

- 3. System Type:** The system type typically refers to whether the operating system is 32-bit or 64-bit. It's not provided in the information you provided.

- 4. Version:** The version of what isn't specified in the information provided. It could be referring to the version of the operating system (e.g., Windows 10, Windows 11), BIOS version, or another component.

- 5. Manufacturer:** The laptop is manufactured by HP (Hewlett-Packard), a well-known multinational information technology company specializing in hardware components, software solutions, and services.

This laptop configuration features an 11th Gen Intel Core i3 processor, which offers decent performance for everyday computing tasks such as web browsing, office productivity, multimedia consumption, and light multitasking. The inclusion of Intel Iris Xe Graphics provides improved integrated graphics performance compared to earlier generations, suitable for casual gaming and multimedia editing. However, for more demanding tasks such as gaming, video editing, or software development, users may benefit from a laptop with a higher-tier processor and dedicated graphics.

- **Software:**

For the implementation of our source code we used the below mentioned software. For the frontend we used HTML and CSS programming languages. d. For the backend we used PHP and SQL.

- a) **XAMPP:** XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache Friends. It consists of Apache HTTP Server, MariaDB database (previously MySQL), and interpreters for scripting languages such as PHP and Perl. XAMPP is commonly used for local development and testing of web applications before they are deployed to a live server.
- b) **VS Code (Visual Studio Code):** For the implementation of our code we used the Visual Studio Code. It is a free source-code editor developed by Microsoft for Windows, Linux, and macOS. It provides features such as syntax highlighting, code completion, debugging support, version control integration, and an extensive library of extensions that enhance its functionality for various programming languages and frameworks.

EVENT MANAGEMENT WEBSITE

- c) **HTML and CSS:** HTML (Hypertext Markup Language) and CSS (Cascading Style Sheets) are fundamental programming languages used for creating and styling the structure and presentation of web pages, respectively. HTML is used to define the content and structure of web pages, while CSS is used to specify the visual appearance and layout of elements on the page.

- d) **PHP and SQL:** PHP (Hypertext Preprocessor) is a server-side scripting language commonly used for web development to generate dynamic web pages and interact with databases. SQL (Structured Query Language) is a domain-specific language used for managing and manipulating relational databases. In the context of web development, PHP is often used as the backend programming language to handle server-side logic and process data, while SQL is used to query and manage data stored in databases such as MySQL, MariaDB, PostgreSQL, or SQLite.

EXPERIMENTAL RESULTS

5.1 Experimentations: (Output Screenshots with description)

- For Experimentation of “Event Management Website” following figure, Fig 5.1.1 shows the home page of our project.

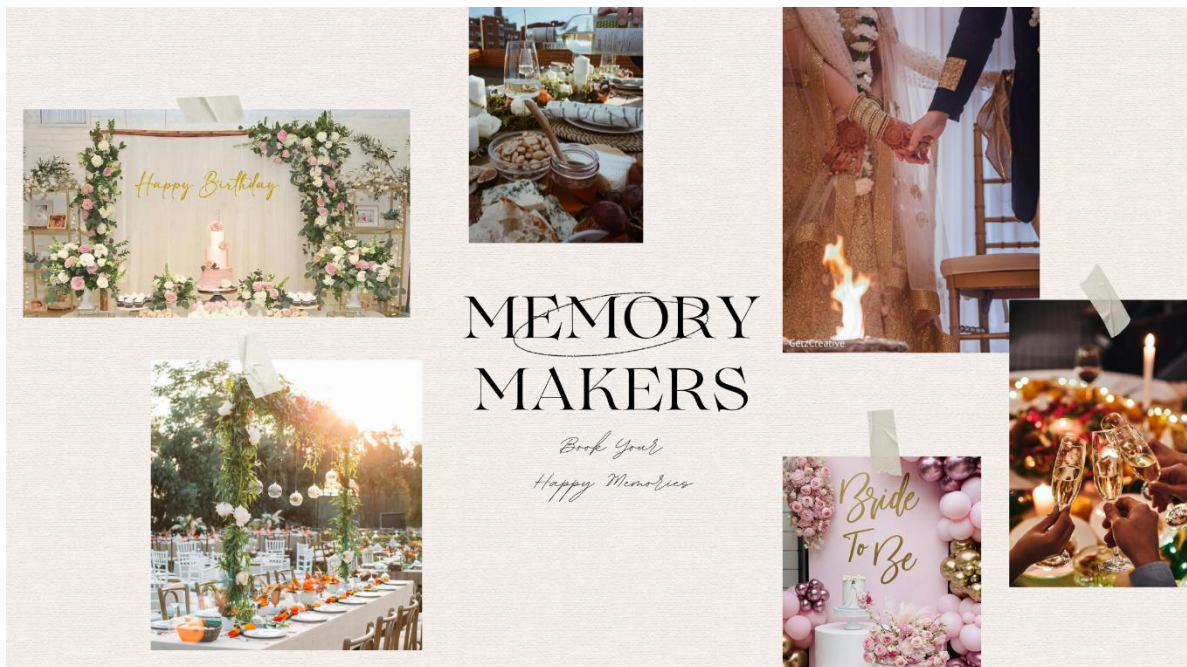


Fig.5.1.1 Home Page of Event Management Website

EVENT MANAGEMENT WEBSITE

- For Experimentation of “Event Management Website” following figure, Fig 5.1.2 shows the login page our project.

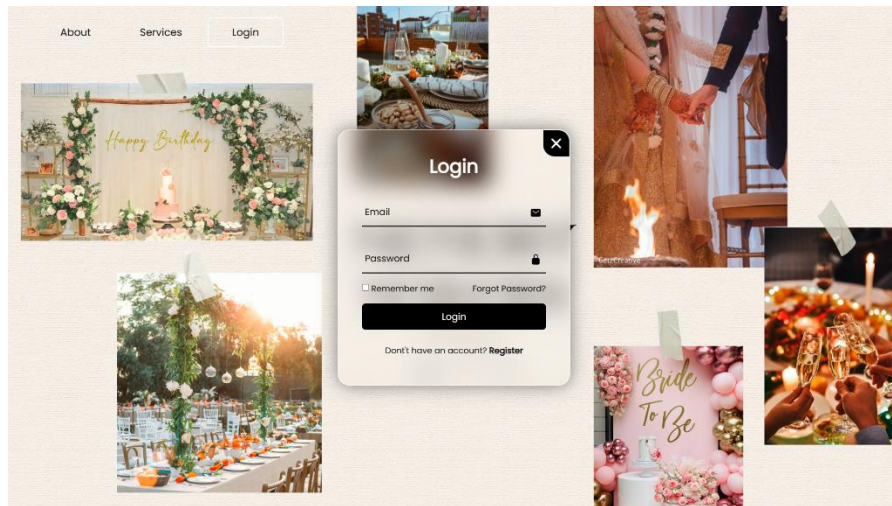


Fig.5.1.2 Login Page of Event Management Website

- For Experimentation of “Event Management Website” following figure, Fig 5.1.3 shows the registration page our project.

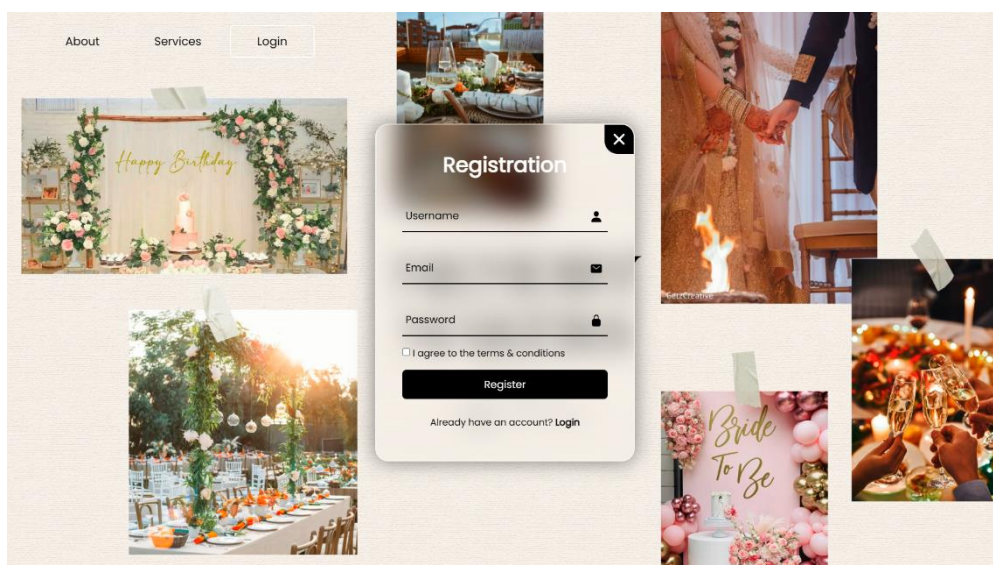


Fig.5.1.3 Registration Page of Event Management Website

EVENT MANAGEMENT WEBSITE

- Following figures are the different events images which is we can book and schedule as per our requirements. We can select different venues, decoration format and book the event as per our choice. Here are some snapshots of the different events and their decorations cards and the venues.

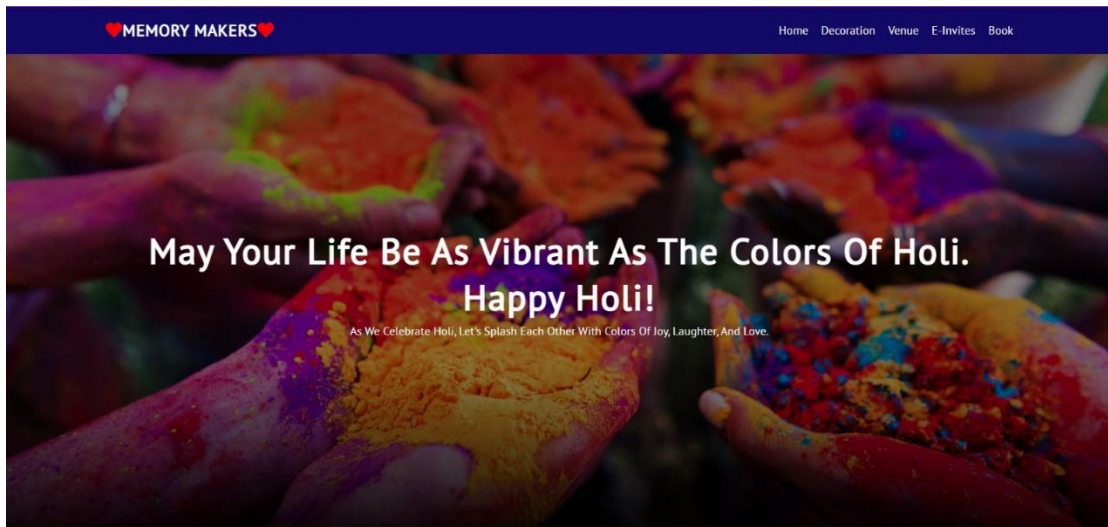


Fig.5.1.4 Holi Event home page

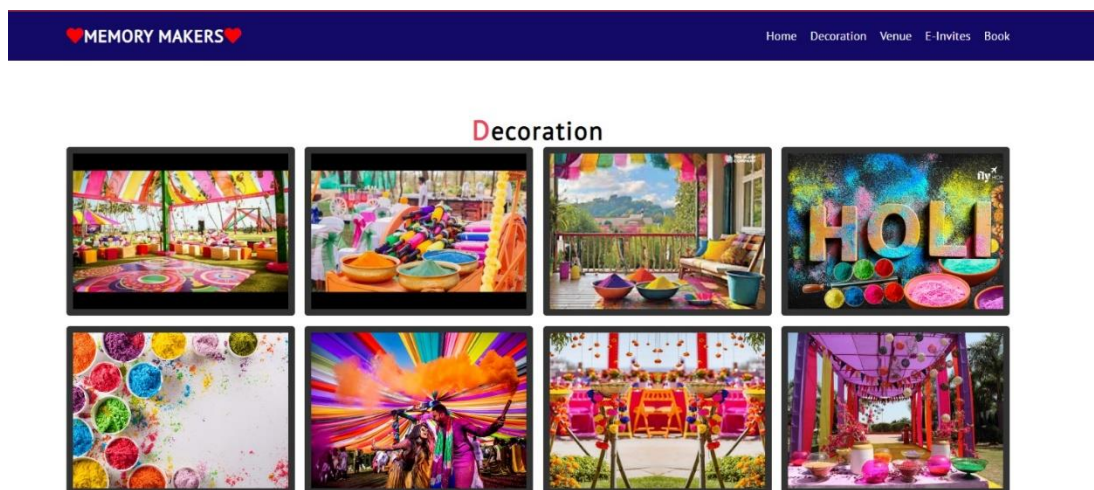


Fig.5.1.5 Holi Event decoration page

EVENT MANAGEMENT WEBSITE



Fig.5.1.6 Holi Event Invitation Card

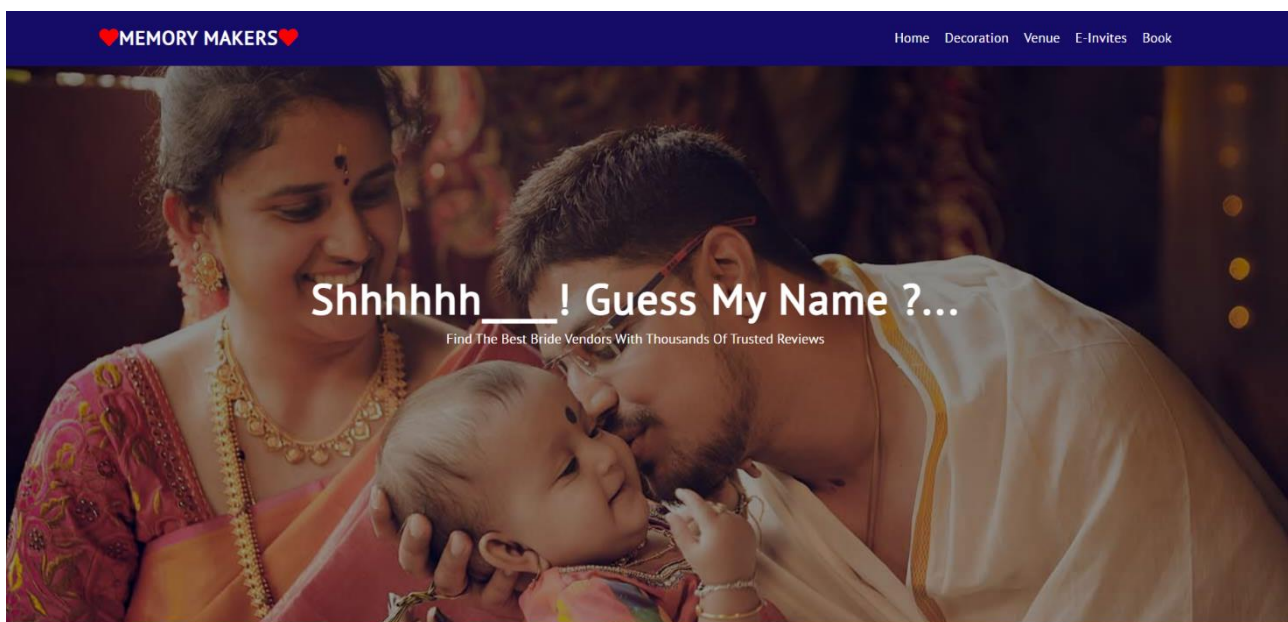


Fig.5.1.7 Naming Ceremony home page

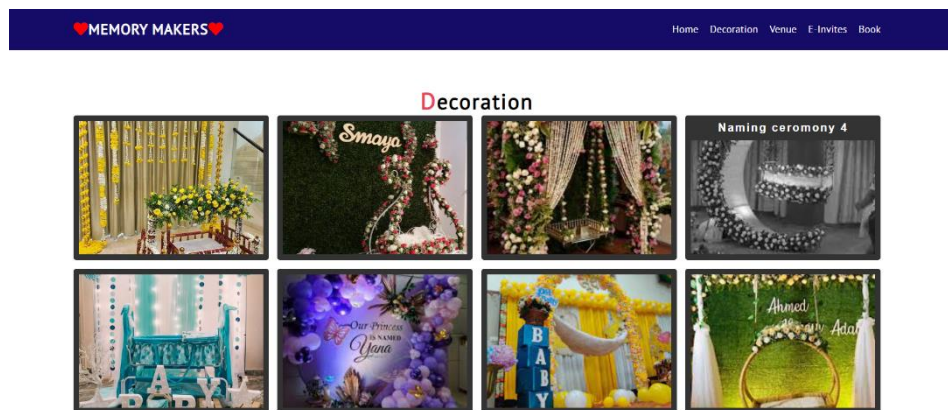


Fig.5.1.8 Naming Ceremony decoration page

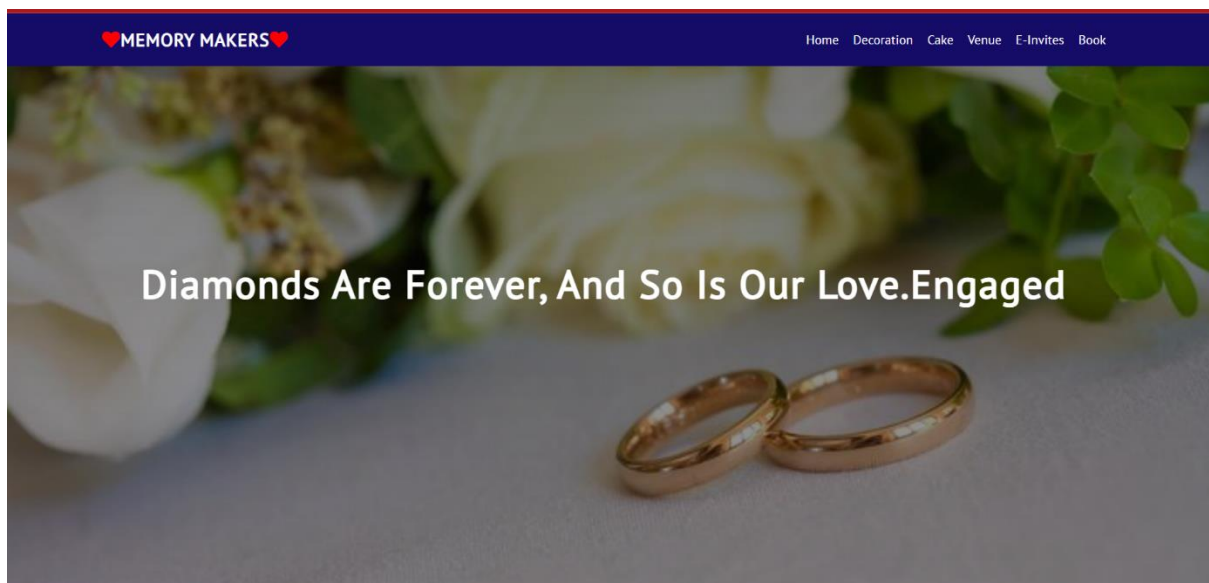


Fig.5.1.9 Naming Ceremony home page

CONCLUSION

6.1 Conclusion:

The successful implementation of the event management system project ensures streamlined event planning, efficient resource allocation, and enhanced participant experiences. Integrating user-friendly interfaces and robust features contributes to seamless coordination, ultimately leading to the overall success of diverse events. Ongoing feedback and continuous improvements will further optimize the system's performance and cater to evolving event management needs.

6.2 Future scope:

The future scope of an event management project is promising, with several potential areas for expansion and enhancement.

Enhanced User Experience, introducing features to enhance the user experience for both organizers and attendees, such as personalized recommendations, interactive event maps, virtual reality (VR) experiences, and mobile applications for seamless interaction and engagement.

Virtual and Hybrid Events with the increasing popularity of virtual and hybrid events, there's a growing demand for event management systems that support virtual event hosting, live streaming, attendee networking, and virtual exhibition spaces. Integration with Emerging Technologies, leveraging emerging technologies such as artificial intelligence (AI).

Data Analytics and Insights, expanding capabilities for data analytics and insights to provide organizers with deeper insights into attendee behaviour, preferences, and engagement metrics.

REFERENCES

7.1 References:

- [1] M. Mahalakshmi, S. Gomathi and, S. Krithika, “Event Management System”, 2016.
- [2] Joe Goldblatt, “Event Management Technology and Global Trends”, 2017.
- [3] Shannon Kilkenny, "The Complete Guide to Successful Event Planning", 2006.
- [4] Nigel Jackson and Bill Davidson, “Strategic Event Creation”, 2011.
- [5] Aswin Chandrasekharan, Nikhail Venkat, Aniruddha P.B, and Siva Rama Krishnan Somayaji. “Barcode Enabled Event Management System for Logistics and Consumables Management”, 2008
- [6] Magazine: John Smith, "Event Management Today"(Published Date: March 2022)
- [7] Magazine: Emily Johnson, " Events World"(Published Date: June 2021)