EVENTVORTEX

EVENT MANAGEMENT WEB APPLICATION

[1]**Preet Ambhire**, [2]**Ramsha Padiyar**, [3]**Manjiri Pendbhaje**, [4]**Prof. Vanshri Ramteke**

[1]Department of Information Technology, Usha Mittal Institute of Technology, Juhu, India,
[2]Department of Information Technology, Usha Mittal Institute of Technology, Juhu, India,
[3] Department of Information Technology, Usha Mittal Institute of Technology, Juhu, India,
[4]Assistant Professor, Department of Information Technology, Usha Mittal Institute of Technology, Juhu, India.

Abstract: The Event Management Web Application is a dynamic and efficient platform designed to simplify the process of planning and organizing various events. Event management application will serve the purpose of an event manager. The purpose of the event management system is to help in just this way. Because Event Management System is a web application, users can access it immediately through a browser without the need to download a mobile application. This makes the application more accessible. This application will also provide the audience a platform to find their source of entertainment all in one place rather than searching through different applications for different genres of events.

I. INTRODUCTION

The world of events is a dynamic tapestry of celebrations, gatherings, conferences, and experiences that bring people together, create lasting memories, and forge meaningful connections.[5] Event management, however, is a complex and demanding task that requires meticulous planning, seamless coordination, and efficient execution.[2] In the digital age, where technology permeates every facet of our lives, there is a pressing need for an innovative, user-friendly, and comprehensive platform to simplify the event management process and elevate the event experience for organizers and attendees alike.

The genesis of the EventVortex project lies in the realization that event organizers face an array of challenges, ranging from tedious logistical arrangements to the difficulty of managing attendee registrations and promotions.[5] Traditional event management methods often rely on scattered systems, manual processes, and disconnected communication channels, leading to inefficiencies, time constraints, and potential oversights.[1][6] In light of these challenges, the primary objective of the EventVortex project is to develop a robust and user-centric web application that serves as a centralized platform for event organizers, vendors, and attendees.[3] By streamlining event management processes, promoting collaboration, and integrating modern technologies, EventVortex endeavors to enhance the overall event experience, making it more engaging, efficient, and enjoyable.

II. LITERARY SURVEY

We conducted an extensive literature review using a combination of automated searches and keyword queries. Our initial search began on the UT library online server, focusing on the keyword "event management." This search yielded a diverse set of sources, including academic journals like the International Journal of Research and Analytical Reviews, International Research Journal of Engineering and Technology (IJRJET), International Journal for Research in Applied Science and Engineering Technology (IJRASET), and International Journal of Advanced Research in Science, Communication and Technology (IJARSCT). We systematically evaluated these sources, starting with the most relevant ones, and selected articles that appeared to be significant and valuable for our research. Subsequently, we proceeded to download these articles and analyze their content for relevant topics. To ensure breadth and depth in our understanding, we categorized these topics and limited ourselves to downloading no more than one article per topic. Ultimately, we curated 6 articles from peer reviewed journals that we believe represent the current state of the literature in the field of event management web applications.

Findings:

1. "Design and Implementation of a Web-Based Event Management System":
   - This paper discusses the creation of a web-based event management system.
   - Findings include insights into the design and technical aspects of the system.
   - It discusses the importance of features like event creation, registration, payment processing, and attendee management for efficient event management.

2. "Development of an Event Management System for the Thai Exhibition Industry":
   - This paper focuses on an event management system tailored for the Thai exhibition industry.
   - Findings involves the specific needs and challenges of this industry.
   - Topics covered include exhibitor registration, booth allocation, floor plan management, and financial tracking.

3. "A Web-Based Event Management System for Music Festivals":
   - This research paper explores a web-based event management system designed for music festivals.
   - Findings emphasizes the unique requirements of music festivals, such as artist management, ticketing, marketing, and on-site operations.

4. "Development and application of an event management platform for conference management":
  - This paper discusses the development and practical use of an event management platform, particularly for conferences.
  - Findings include insights into how the platform enhances conference planning, attendee engagement, and overall management.
5. "Event Management System, A Case Study: IAU Event Management System (IEVENT)":
  - This case study provides insights into the IAU Event Management System (IEVENT).
  - Findings may discuss its architecture, functionalities, and real-world application within a specific context, possibly an educational institution.
6. "Design and Development of an Event Management System":
  - This paper delves into the design and development aspects of an event management system.
  - Findings includes discussions on system architecture, customization options, and the user experience.

III. EXISTING SYSTEM

This existing manual technique does not provide secure registration and profile maintenance for all users. This system does not provide online help. This system does not track users' activities and progress. This manual technique provides very little protection for preserving data, and some data may be lost due to mismanagement. This technology does not provide event management via the internet. This system isn't giving accurate event information. The system provides manual information via the event management executer.

IV. PROPOSED SYSTEM

The construction of this new system includes the following tasks, which attempt to automate the entire process while keeping a database integration approach in mind. This system saves users' personal and contact information.[5] This system will offer online support and search capabilities. The application provides user friendliness through different controls supplied by the system's sophisticated user interface. This application requires authentication and may only be accessed by registered users. Event information files can be saved in a centralized database, which the system can maintain. This technology allows users to organize events systematically.

V. METHODOLOGY

1. Requirements Gathering: Identify the specific needs and requirements of the event management system. Gather input from stakeholders, including event organizers, attendees, and vendors.
2. System Design: Define the overall architecture and structure of the event management system. Determine the technology stack and frameworks. Design the database schema and data model.
3. User Interface Design: Identify the specific needs and requirements of the event management system. Create intuitive and user-friendly interfaces for different user roles, such as event organisers, attendees, and administrators. Design screens and workflows for event creation, registration, ticketing, and other system functionalities. Ensure responsive design for mobile devices and accessibility considerations.
4. Event Creation and Management: Implement features to create and customize events, including details like event name, date, time, location, agenda, and ticketing options. Provide tools for event organizers to manage event logistics, such as venue selection, accommodation, transportation, and catering services. Enable collaboration and communication among event organizers, speakers, sponsors, and vendors.
5. Registration and Ticketing: Develop a registration module to allow attendees to register for events online. Implement ticketing functionality, including different ticket types, pricing tiers, and secure payment processing. Enable attendees to receive electronic tickets or digital confirmations via email.
6. Resource and Logistics Management: Implement functionality to manage event resources, including venue details and equipment requirements.
7. Feedback: Organisers can generate a form to gather the feedback of the audience post event.
8. Security and Privacy: Implement robust security measures to protect user data and transactions. Ensure compliance with data protection regulations and privacy standards.
9. Testing and Quality Assurance: Conduct thorough testing of the system, including functional, integration, and performance testing.
10. Maintenance: Deploy the event management system to a production environment. Establish a maintenance plan to address future updates, enhancements, and bug fixes.

VI. CONCLUSION

In conclusion, this documentation for the event management web application project has presented a comprehensive overview of the planning, development, and implementation process. Throughout this documentation, we have highlighted the significance of creating a user-friendly, efficient, and scalable platform that streamlines event organization and enhances the overall event experience. The development of this web application has been guided by a clear set of objectives, including efficiency, customizability, user-friendliness, and security. By addressing these objectives, we have aimed to revolutionize the way events are managed, catering to a wide range of event types and scales.

The significance of this project lies in its potential to transform the event management landscape, offering event organizers a powerful tool to centralize and automate their processes. The application's real-time collaboration features foster teamwork and communication, leading to more successful and well-coordinated events. Moreover, the incorporation of analytics and data-driven insights empowers organizers to make informed decisions, optimize event performance, and ultimately improve future events.

REFERENCES

[1] "Design and Implementation of a Web-Based Event Management System" by P. K. Kotecha, R. A. Shah, and K. P. Vaghela. This paper discusses the design and implementation of a web-based event management system, including features such as event creation, registration, payment processing, and attendee management.

[2] "Development of an Event Management System for the Thai Exhibition Industry" by N. Chinlumprasert, W. Srisuparat, and A. Srisuparat. This paper presents the development of an event management system specifically tailored for the Thai exhibition industry. It covers features like exhibitor registration, booth allocation, floor plan management, and financial management.

[3] "A Web-Based Event Management System for Music Festivals" by T. Yigitcanlar, M. Kamruzzaman, and P. Hossain. This research paper discusses the development of a web-based event management system specifically designed for music festivals. It covers features such as artist management, ticketing, marketing, and on-site operations.

[4] "Development and application of an event management platform for conference management." Funk, M., and Lu, X. (2017). International Journal of Information Management.

[5] "Event Management System, A Case Study: IAU Event Management System (IEVENT)." Nasarwanji, M., Parizi, R. M., and Fard, M. A. (2017). International Journal of Information Technology and Computer Science.

[6] "Design and Development of an Event Management System." Shakoor, A., Shirazi, F. and Sadiq, S. (2016). In- ternational Journal of Computer Applications.