# Tribhuvan University

## Shanker Dev Campus

EVENT MANAGEMENT SYSTEM

A PROJECT REPORT

Submitted To
Department of BIM
Shanker Dev Campus
Putalisadak, Kathmandu

*In partial fulfillment of the requirement for the Bachelor's Degree in Information Management*

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20th March, 2024

# ABSTRACT

Event Management System is the application that serves the functionality of an event manager. This system provides most of the basic functionality required for an event example: marriage, birthday party etc. This system allows the user to select date and time of event, place, and the event equipment.

The main aim of the event management system is to provide a platform for the users to view information about the events that took place in the past and the ones that are about to take place shortly. The application enables the user to view and book an ongoing or upcoming event in a particular locality. Users should register themselves to log into the account for online booking of tickets. The users can be administrators, event organizers, and customers. They can first log onto the website and see through the information such as details about the events.

Event Management System is used to manage all the activity related to events. In any event any service provider works simultaneously, and it is very hard to manage these providers. It is also important for an event organizer that he has all the contact details of these service providers so that he can contact them any time to plan an event at a given time. To get success in the event management business, user should have strong network of service providers like sound system services, lighting providers, canteen services, stage construction and so on.

# ACKNOWLEDGEMENT

I gratefully acknowledge the assistance, cooperation, guidance, and clarifications provided by Mr. Gopi Prajapati during the development of the EVENT MANAGEMENT SYSTEM project. His constructive suggestions regarding this project work and consistent support are sincerely acknowledged. Without his willing disposition, spirit of accommodation, frankness, timely clarification and above all faith in me, this project could not have been completed in due time.

I would also like to thank whole members of BIM Department of the college for their cooperation and important support.

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# Chapter 1 - Introduction

## 1.1 Introduction to the Project

Event Management System is the application to manage and development of festivals, events, and conferences. It provides most of the basic functionality required for an event. It allows the user to select from a list of events. This system involves study of identifying the target of budget, cost, and analysis.

This system helps to establish better communication between event organizers and users. This system is useful for both organizers and users. In this system, once the user logs into the system, he will be welcomed with recommended events. The user can view different events, book events and payments are also done. After successful login user can send feedback. Event organizers are registered with the system and their details are verified by the administrator. Being an authorized user, he can publish event details and he can view booking details as well.

In this system, every transaction will be recorded into the database using a secured mechanism. Users and event organizers can view previous event booking details. It is a web application in which multiple users can access simultaneously using the internet.

## 1.2 Objectives of the Project

1. To create a centralized system that makes the planning and execution of events more efficient by automating repetitive tasks and processes.
2. To provide a solution that can easily scale according to the size and complexity of different events, from small meetings to large conferences or festivals.
3. To enhance the experience of both the organizers and the attendees by offering user-friendly interfaces, easy registration processes, and effective communication tools.
4. To offer integration capabilities with other tools and platforms (e.g., payment gateways, social media, email marketing software) for a seamless event management process.
5. To ensure the system is accessible to users with diverse needs, including those with disabilities, by adhering to web accessibility standards.
6. To reduce the costs associated with event management by minimizing the need for physical resources, optimizing the use of human resources, and reducing the likelihood of errors and duplications.
7. To ensure that user data is handled securely, with respect to privacy laws and regulations, and that financial transactions are secure and reliable.
8. To enable real-time communication and updates between organizers, attendees, and vendors, ensuring everyone is informed and can adapt to changes swiftly.
9. To provide mechanisms for gathering feedback from participants and stakeholders, which can be used to improve future events.
10. To allow for the customization of events according to specific themes, branding, and organizer preferences, making each event unique.

## 1.3 Scope and Limitation of Project

The scope of an Event Management System project encompasses a wide range of functionalities designed to support the end-to-end process of event planning, execution, and analysis. This includes features for event creation and scheduling, attendee registration and management, ticketing and payment processing, vendor and venue management, and marketing and communication tools. Additionally, the system aims to offer real-time analytics and reporting capabilities to help organizers track event performance and make informed decisions. It also strives to support various types of events, such as corporate meetings, conferences, exhibitions, and public gatherings, making it a versatile tool for different event organizers. The project's scope further extends to ensuring high levels of security for user data and financial transactions, along with providing a mobile-friendly interface to cater to users on-the-go.

However, the project comes with certain limitations. Firstly, the effectiveness of the system heavily depends on the reliability of internet connectivity; disruptions can hinder access to online-based features, affecting both organizers and attendees. Secondly, while efforts will be made to ensure the system's usability, there might be a learning curve for users unfamiliar with digital event management tools, potentially requiring additional support and training. Thirdly, the scope of customization and integration with external platforms or tools might be constrained by technical and budgetary limitations, affecting the system's adaptability to specific user needs. Lastly, the project's ambition to comply with international data protection regulations may face challenges due to varying laws across countries, complicating the deployment of a universally compliant system.

## 1.4 Literature Review

There exist several sites working commercially, providing several features. Some of them are listed below with all there working schema, customer support and services:

Cvent.com:

Cvent offers a comprehensive event management platform that supports both virtual and in-person events. Its features include online registration, venue selection, event marketing, and on-site solutions, making it a versatile tool for event planners. Cvent is designed to cater to various types of events, from corporate meetings to large conferences.

Eventbrite.com:

Eventbrite is a popular platform for event registration and ticketing. It's user-friendly for both event organizers and attendees, providing tools for creating event pages, managing ticket sales, and promoting events through social media and other channels. Eventbrite serves a wide range of event types, including workshops, seminars, and festivals.

Aventri.com:

Aventri is a global event management software that offers end-to-end solutions covering event registration, website creation, event marketing, and analytics. Aventri's platform is designed to streamline the event planning process, enhance attendee engagement, and measure event success through robust analytics.

Whova.com:

Whova provides an award-winning event management software that includes features like attendee networking, agenda management, event marketing, and live polling. Whova's app is particularly noted for enhancing attendee engagement and networking opportunities at events, making it a great choice for conferences and professional gatherings.

Bizzabo.com:

Bizzabo is an event management platform that emphasizes the creation of personalized and engaging experiences for attendees. It offers tools for event marketing, personalized agendas, networking solutions, and event analytics. Bizzabo is suitable for a variety of events, including corporate events, conferences, and trade shows.

# Chapter 2 - System Analysis

## 2.1 Functional Requirement:

The major functional requirements of the system are as follows:

1. User Account Management.
2. Event Creation and Management.
3. Ticketing and Registration.
4. Scheduling and Calendar Integration.
5. Verification and Validation.
6. Communication and Notifications.
7. Reporting and Analytics.

## 2.2 Non-functional requirement:

Some non-Functional requirements of this project are listed below:

Usability: Every user will be able to use this application easily.

Efficiency**:** This application will provide easy and fast access without consuming more cost.

Security: The users will enter the application site only by logging in with username and password, hence making security to the system and network server.

Performance: The users will easily access it without any effort in an organized way and this making the system more reliable.

## 2.3 Feasibility Study

A feasibility study for an Event Management System project assesses the viability of the project from various angles to ensure that it can be successfully developed and deployed. This study typically includes an analysis of economic, technical, and operational feasibilities, each examining different aspects critical to the project's success.

### 2.3.1 Technical Feasibility

Technical feasibility delves into the project's technical requirements and the organization's capacity to meet these demands. This evaluation examines the existing technological infrastructure, the availability of technical expertise, and the compatibility of new technologies with current systems. It considers the challenges involved in developing the Event Management System, such as data security, scalability, and integration with external applications or platforms.

### 2.3.2 Economical Feasibility

The economic feasibility aspect focuses on assessing the financial implications, weighing the initial and ongoing costs against the anticipated benefits. This involves a thorough cost analysis, encompassing development, implementation, maintenance, and training expenses. Alongside, the benefit analysis quantifies both financial gains, such as revenue from ticket sales and sponsorships, and intangible benefits like improved efficiency and attendee satisfaction.

### 2.3.3 Operational Feasibility

Operational feasibility studies the project's alignment with organizational goals, workflows, and the potential impact on stakeholders. It assesses the willingness and ability of the team to adapt to and adopt the new system, evaluating the changes it will bring to existing processes and the learning curve involved. This part of the feasibility study also involves gathering input from potential users to understand their needs and resistance points, ensuring the system's design is user centric. By analyzing how the Event Management System fits into the operational landscape, this assessment ensures the project can be effectively integrated into daily operations, fostering user acceptance, and maximizing the system's utilization and impact.

# Chapter 3 - System Design

This section gives a detailed review on the design on which the system developed is implemented. It includes:

## 3.1 ER Diagram

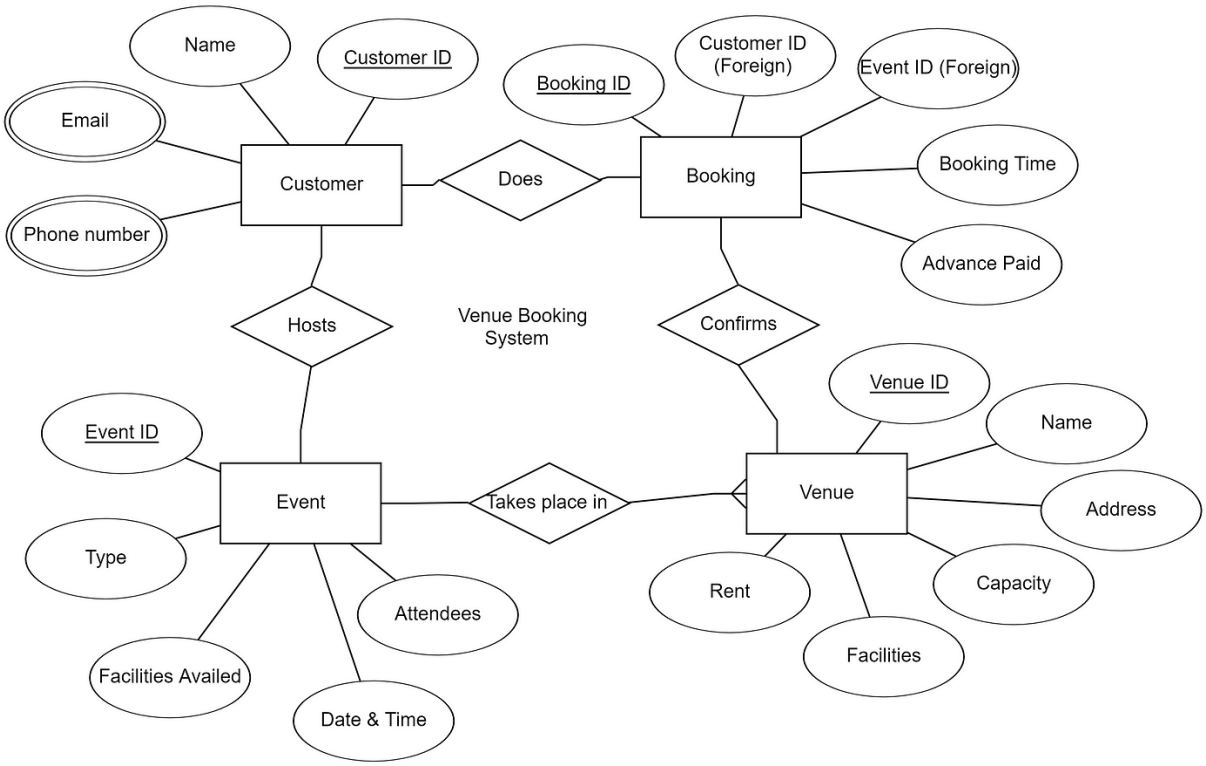


Fig 3.1 ER diagram for Event Management System

# Chapter 4 – Conclusion and Enhancements

## 4.1 Conclusion

Through this software, the respective events will be managed and automated to the entire database in the network. With this project, human effort will definitely reduce and user/customer and the administrator's task will become much easier. It becomes easy to work on this software and it is efficient to use. Thus, by keeping in mind, the advantages and applications; we are developing an Event management software. This software will help the administrator as well as a customer a lot.

## 4.2 Enhancements

There is always room for improvements and enhancements in systems. This Event Management System can be further enhanced by incorporating cutting-edge technologies like artificial intelligence (AI) and machine learning (ML) to provide predictive analytics for more efficient event planning and personalized attendee experiences. Enhancing mobile accessibility and responsiveness will cater to the growing number of users relying on mobile devices for event participation, while the integration of virtual and hybrid event features will address the evolving demand for online engagement. Additionally, embracing blockchain could revolutionize secure ticketing and registrations. By fostering a user community for feedback and collaborative innovation, the system can evolve with the needs of its users, ensuring it remains a pivotal tool in the dynamic landscape of event management. These strategic enhancements will not only improve user satisfaction and system utility but also ensure the platform stays ahead of technological trends and industry demands.

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