**A PROJECT**

**ON THE TOPIC:**

**EVENT MANAGEMENT SYSTEM**

**BY**

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**CHAPTER 1**

**GENERAL INTRODUCTION**

* 1. **Background of the study**

Event management is a multifaceted discipline that involves the planning, organization, and execution of a variety of events, such as conferences, weddings, festivals, and business meetings (Govender, 2021). It is critical to the success and smooth operation of these events, which frequently have complex logistical requirements and require the coordination of multiple stakeholders, such as attendees, vendors, and sponsors.

In recent years, the field of event management has witnessed significant growth and evolution, driven by factors such as advances in technology, changing consumer preferences, and the globalization of business (Ranasinghe *et al.,* 2021). As events become larger in scale and more sophisticated in nature, there is an increasing demand for effective event management systems that can help streamline the planning and execution process.

One of the key challenges faced by event organizers is the need to manage a vast amount of information and coordinate numerous tasks simultaneously (Weerakoon, 2021). This includes everything from setting event objectives and budgeting to marketing and promotion, venue selection, registration, ticketing, and logistics management. Without the right tools and systems in place, organizing an event can be a daunting and time-consuming task.

Effective event management systems can help address these challenges by providing organizers with the tools they need to plan, organize, and execute events more efficiently These systems typically include features such as event registration and ticketing, attendee management, agenda and schedule management, speaker and session management, exhibitor management, and marketing and promotion tools (González-Granadillo et al., 2021).

By automating many of the tasks involved in event planning and management, these systems can help organizers save time, reduce costs, and improve the overall quality of their events (Haleem *et al.,* 2023). They can also provide valuable insights and analytics that can help organizers make informed decisions and improve their future events.

In addition to improving efficiency and effectiveness, event management systems can also enhance the attendee experience. By providing attendees with easy access to information, such as event schedules, speaker bios, and session details, these systems can help attendees make the most of their event experience and ensure that they have a positive impression of the event and the organizer.

Effective event management systems play a crucial role in the success of events of all sizes and types. By helping organizers streamline the planning and execution process, these systems can help ensure that events are well-organized, well-executed, and ultimately successful (Simge *et al.,* 2023). As the field of event management continues to evolve, the importance of these systems is only likely to grow, making them an essential tool for event organizers around the world.

**1.2 Problem statement**

The current manual and paper-based methods of event management are inefficient and prone to errors. There is a need for a comprehensive event management system that can automate various tasks such as registration, ticketing, scheduling, and communication, to improve efficiency and enhance the overall event experience.

* + 1. **Inefficiencies of Manual Event Management:**
* **Source:** *"The Challenges of Manual Event Planning"* by EventMB Studio Team
  + **Citation:** EventMB Studio Team. (2018). The Challenges of Manual Event Planning. Event Manager Blog. Retrieved from [Event Manager Blog](https://www.eventmanagerblog.com/).
    1. **Benefits of Automated Event Management Systems:**
* **Source:** *"How Event Management Software Improves Efficiency"* by Eventbrite
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    1. **Need for Automation in Event Management:**
* **Source:** *"Why You Need Event Management Software"* by Bizzabo
  + **Citation:** Bizzabo. (2020). Why You Need Event Management Software. Bizzabo Blog. Retrieved from Bizzabo Blog.
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* **Source:** *"The Benefits of Digital Tools in Event Management"* by Capterra
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    1. **Efficiency and Error Reduction through Automation:**
* **Source:** *"Reducing Errors with Event Management Software"* by Whova
  + **Citation:** Whova. (2022). Reducing Errors with Event Management Software. Whova Blog. Retrieved from Whova Blog.
  1. **Aims and objectives**

The aim of this project is to develop an Event Management System that will automate and streamline the process of planning and managing events. The specific objectives of the project include:

* To identify and document the requirements of the Event Management System.
* To design the system architecture, including the database schema and user interface components.
* To develop the application using suitable programming languages and technologies.
* To test the system to ensure its functionality and correctness.
  1. **Research questions**
* How to identify and document the requirements of the Event Management System?
* How to design the system architecture, including the database schema and user interface components?
* How to develop the application using suitable programming languages and technologies?
* How to test the system to ensure its functionality and correctness?
  1. **Significance of the study**

This research is significant as it will provide a comprehensive solution for event management, benefiting event organizers, participants, and other stakeholders. It will also contribute to the field of event management by providing insights and best practices for the development and implementation of event management systems.

* 1. **Scope of the study**
* Development and Design: Focus on creating a user-friendly interface and integrating core functionalities such as registration, ticketing, scheduling, and communication.
* Features: Includes online registration, payment processing, event scheduling, attendee management, and reporting tools.
* Implementation: The system will be developed for web and mobile platforms, ensuring accessibility and convenience for users.
* Exclusions: This project will not cover advanced features such as augmented reality integrations or complex event analytics beyond basic reporting.
  1. **Proposed methodology**

1. Requirement Analysis: Identify and document the specific requirements of the Railway pass management system, including user roles, functionalities, and system constraints.
2. System Design: Design the system architecture, including the database schema, application modules, and user interface components.
3. Database Development: Implement the database schema using MySQL, Create tables, and define relationships.
4. Application Development: Develop the application using PHP as the programming language, Implement the server-side logic to handle user authentication, exam scheduling, invigilator assignments, and other system functionalities.
5. User Interface Development: Implement the user interface components using HTML, CSS, and Bootstrap.
6. Testing and Quality Assurance: Conduct testing to ensure the correctness and functionality of individual components, Identify and fix any bugs or issues that arise during testing.
7. Deployment: Deploy the system on a suitable web server with the necessary configurations.
   1. **Expected outcome**

The expected outcome of this project is a fully functional Event Management System that meets the requirements and objectives of the project. The system is expected to automate various tasks related to event management and improve the overall efficiency and effectiveness of event planning and execution.

* 1. **Summary**

This chapter provided an overview of the Event Management System project, including its background, objectives, and significance. It discussed the problems faced in current event management practices and outlined the aim and objectives of the proposed system. The chapter also defined the scope of the study, setting clear boundaries for the project.

* 1. **References**

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