

ONLINE EVENT MANAGEMENT SYSTEM

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ABSTRACT

The Online Event Management System Project in PHP provides a comprehensive solution for efficiently managing events. With its user-friendly interface and robust features, this system helps streamline event management, ensuring successful and memorable experiences for all stakeholders involved.

The system allows organizers to manage resources and vendors associated with events. This includes booking venues, arranging equipment, and coordinating with external service providers such as caterers or decorators. The system facilitates seamless communication between organizers, participants, and vendors. Comprehensive reports and analytics provide event organizers with insights into event performance. The Event Management System is developed using PHP as the server-side scripting language. It incorporates HTML, CSS, and JavaScript for the user interface and interactivity. MySQL or another relational database is used for data storage and retrieval.

1. INTRODUCTION

Organizing an event is not an easy task, especially if the target audience is of a substantial size and if there are many teams involved during the execution phase. For this reason, automating the processes found in the event planning life cycle is a godsend to organizers who are still using old school methods. An online management system practically automates the organizing process and leaves lesser room for human error.

Online event management is an application to manage and celebrating events. Proposed work involves study of identifying the target of budget, cost and analysis. Post event analysis and ensuring a return on investment have become significant drivers for the event industry.

Online event management system serves the functionality of an event manager. User can select event from event list. Event Management System is very helpful for celebrate events. User have to register, after registering, user can login, after login, event details including name, contact, address, venue of the event, date, event conducting time, cost of events etc. these all process should be followed for event booking.

2. LITERATURE SURVEY

Now a day's, the events like festivals, wedding etc. became a core a part of life that has resultedinevent coming up with and Management Company to rise. With the purchasers and

events increasing at larger rate, it's troublesome to manage exploitation ancient system exploitation spreadsheets, ancient info and additional.

So as to beat the drawbacks of ancient Event Managing System, a replacement good Event Management System has been introduced that uses the fashionable technology and Frameworks for managing different tasks and coming up with for workers, customer, location, transport and additional. With the assistance of this technology, the gap between client and management team has reduced with the good internet access.

We have studied various papers related to the event management system.

- **Event Management System Based on Multiple Data Source:** This paper presents the design of the City Event Management System, which integrates the data from public monitoring facilities, social media, and crowdsourcing.
- **Barcode Enabled Event Management System for Logistics and Consumables Management:** This Paper 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.
- **Special Event Management and Event Marketing:** A Case Study of TKBL all-star 2011 which was published by L. McCarthy and K. Michael, Lung Chuang Wang, Roozbeh Derakhshan. In this paper aims to understand the how to manage and market the events successfully satisfied participants.
- **Event Management System Paper:** This was published by Prof. Lee, M. J., & Back, K. J. (2005). This paper is introduced the Event Manage and development of festivals, events and conferences. The system allow registered user login and new user are allowed to register on application.
- **Smart Event Management System:** This paper was published by Assistant Prof Neuendorf, K. A. (2002), and Getz, D. (2012). This paper introduced a system which will be computerized and developed using advanced language as Content Management System.

3. METHODOLOGY

It consists of various modules dealing with managing customer and employee information, managing event information, managing services, e-card creation and website for status check. The first module of the project is customer opens the website and select the which type of event wants to celebrate, then search for venues after selecting venue which type of decoration he wants can select from decoration services and in budget can also select catering package after selecting all the things which are required one by one as selected it added automatically in cart and generate the bill user can pay 40% payment online balance payment can be pay after It can be used for business industry also to celebrate events as conferences.

4. EXISTING SYSTEM

In the current scenario, the existing Event Management System is manual and only accessible to staff. The client has to travel to the company offices in order to schedule, book and organize an event and pay cash to book an event which is inconveniencing when customers are many at the company. It becomes difficult maintaining all details of events, customers and the services. The execution of the event sometimes delays due to some unmanageable obstruction in planning. As far as quality is concerned it is ok and not satisfying but not as good when handled using a computerized system.

Limitations Of Existing System

- It is time consuming as the system is handled manually.
- In long run, it is difficult to maintain records Assurance of data security is not given.
- Manpower requirement is huge.
- It is hectic to handle the huge transaction.
- It does not have the security and authenticity. Any user can access that system.
- The existing system is not user friendly.
- It does not have a menu-based control which can make a system move consistent and user friendly.

5. PROBLEM STATEMENT

Event management involves numerous tasks like planning, registration, payment processing, and communication, which can be cumbersome and prone to errors when handled manually or through disconnected tools. Organizers often struggle with efficiently coordinating these activities, leading to issues like overbooking, missed communications, and difficulties in tracking payments. Attendees, on the other hand, face challenges in discovering relevant events, registering, and staying updated with event-related information.

The lack of a unified platform exacerbates these issues, making the process inefficient and time-consuming for both parties. An online event management system is needed to centralize and automate these tasks, offering a streamlined solution where organizers can easily create and manage events, while attendees can discover, register for, and participate in events with minimal hassle. This system would enhance the overall experience by reducing manual work, improving communication, and ensuring that all event-related processes are handled smoothly in one place.

6. PROPOSED SYSTEM

The proposed system is computerized and has been developed using PHP, HTML, CSS, therefore it gives more facilities than the present system. It provides quick access to any data that is stored in the database. In this system, the user has to enter the data only once and then it will get stored in the database which gets linked with all files. This reduces the workload of the user and it is also a time saving process. The information about any event can be retrieved easily whenever required. The system maintains all records easy.

FUNCTIONALITIES PROVIDED FOR ADMIN:

1. **Dashboard:** In this section, admin can see all detail in brief like listed categories, Sponsors, Total Events, Total Registered Users, Total Booking, Total New Booking, Total Confirmed Booking and Total Cancelled Booking.
2. **Category:** In this section, admin manage event category (add and update).
3. **Manage Sponsors:** In this section, admin can add sponsors and manage sponsors details (Add/Update/Delete).
4. **Events:** In this section, admin manage events (add and update).
5. **Manage Users:** In this section, admin can update details of registered users and also block them.
6. **Manage Booking:** In this section, admin can manage booking by cancel and confirm it.
7. **Website Setting:** In this section, admin can update about us and another general website setting. Admin can also update his profile, change password and recover password.

FUNCTIONALITIES PROVIDED FOR USER:

Register: Users have to register themselves by filling the online forms, with the unique User id and register themselves.

1. Registered users can do the following activity
2. Books the events.
3. Update his/her own profile.
4. Change Password.
5. Users can also cancel booking which is not confirmed.
6. Registered user can also recover his/her own password.

7. PROJECT MODULES**1. User Module**

- User Registration/Login: Handles the registration of new users and login for existing users.
- Profile Management: Allows users to update personal information and manage account settings

2. Admin Module

- User Management: Admins can manage all users, assign roles, and handle permissions.
- Event Oversight: Provides tools for admins to oversee all events, ensuring compliance and quality.

3. Database Module

- Database module consists user details, user activities, events, payment and booking details etc.

4. Services Module

- **Event Creation:** Enables users to create events by providing details like title, description, date, time, and location.
- **Task Management:** Allows organizers to create and assign tasks related to the event, track progress, and set deadlines.
- **Budget Management:** Provides tools for setting and managing event budgets, tracking expenses, and financial reporting.
- **Scheduling:** Helps in planning and scheduling event timelines, sessions, and activities.
- **Vendor Management:** Manages relationships with vendors, including contracts, payments, and communication.
- **Venue Management:** Manages venue details, including booking, layout planning, and logistics.

5. Payment Module

- This module is responsible for processing payments for event booking, managing financial data.

8. PROJECT REQUIREMENTS

Functional Requirements

1. Registration and Ticketing

Allow users to register for events and avail services, send confirmation emails with event details and update user dashboards with registration status.

2. Event Creation and Management: Event organizers should be able to create, edit, and manage events online, including setting event details such as date, time, location, and participant limits and event cancellation notifications.

3. Payment Processing: The system should allow users to securely pay for event registrations online using various payment methods and Payment confirmations should be sent automatically via email.

4. Event Feedback Collection: After an event concludes, the system should prompt attendees to provide feedback through a survey or rating system. The results should be accessible to event organizers for review.

5. Data base Update: The database should include tables for Users (storing user details and roles), Events (holding event information like name, date, and organizer), and Registrations (linking users to events with payment and registration details). Additionally, Payments table for transaction records and a Feedback table for collecting post-event reviews should be included.

Non-functional Requirements

1. Performance: To improve the performance of the system, the computerized system is to be undertaken. The computerized project is fully computerized and user friendly even that any of the members can see the report and status of their enquiries.

2. Efficiency: The basic need of this project is efficiency. The project should be efficient so that whenever a new user submits his/her details the project is updated automatically. This record will be useful for other users instantly.

3. Control: All the control is under the administrator and the other members have the rights to just see the records not to change any transaction or entry.

4. Security: Security is the main criteria for the proposed system. Since illegal access may corrupt the database.

5. Ease of Use: The user interface should be intuitive and user-friendly, requiring minimal training for users to navigate and perform tasks.

6. Scalability: The system should be scalable to handle an increasing number of users and events without performance degradation. It should support the ability to add more resources to accommodate growth.

9. SYSTEM ARCHITECTURE:

- **Admin:** Admin can create, delete, modify an event. Admin can check the employees or volunteers working in an event. Admin can assign new employees.

- **User Login:** Users can login through the login portal of this event management system website, they can gather information of an event. Users will include volunteers who are willing to work for any of the event. They could login through the portal and assign an event to them so that they could work as a volunteer.

- **Registration:** In the registration portal users can register themselves and then can login through the login portal. Every user has to register before login and have to set a password so they could access the event management system wherever or whenever they want.

Registering will save the login credentials in the database and verify every time a user login through the login portal.

- **Users:** Here, users could check availability of an event, book an event, check the venue and timings of an event and various other information such as the guests, available seats, volunteer requirements and any other update regarding an event.
- **Administrator:** The administrator of the portal has the complete access to the data and can always open and close registration of an event as per the number of seats or vacancies or passes available. He or she will be able to set a maximum number of entries that can be accepted. It involves understanding the brand, identifying the target audience, designing the event concept, and coordinating the technical aspects before actually releasing the event.
- **Database:** all the data from the event management system (website) is cache, plus all the processes of the system execute on the data available in this database.

10. DESIGN AND DEVELOPMENT:

Design: The design of the online event management system focuses on making the platform easy to use for both event organizers and participants. The interface is user-friendly, with clear navigation and simple forms for event registration, payment, and communication. The system is designed to handle different types of events, from small meetings to large conferences, with features that can be customized as needed.

Development: The development process involves creating the system using web technologies like HTML, CSS, JavaScript, and a backend language like PHP. A database, such as MySQL, is used to store event details, user information, and transactions. The system is built in stages, starting with basic features like event creation and registration, followed by payment processing, notifications, and reporting tools. Throughout development, testing is done to ensure the system is reliable and free of bugs.

11. RESULTS

The Online Event Management System features a user-centric interface comprising a login page, home page, and registration page, each essential for seamless operation. The login page ensures secure access with role-specific features for organizers and attendees, enhanced by security protocols like password encryption and CAPTCHA. The home page serves as the system's dashboard, enabling organizers to create and manage events while allowing attendees to browse and register for events, all with intuitive navigation and real-time updates. The registration page facilitates new user sign-ups, ensuring data integrity and immediate access to role-specific functionalities upon successful registration. Together, these components create a secure and efficient platform for event management.

12. FUTURE SCOPE:

- **Larger Audience:**

This system can help events reach more people, even those in different locations.

- **More Features:**

You can add new features like event suggestions, real-time tracking, and personalized experiences.

- **Integration with Other Apps:**

This system can work with social media, payment apps, and other popular platforms.

- **Mobile App:**

Creating a mobile app version can make your system easier to use on phones and tablets.

- **Handling Bigger Events:**

This system can grow to manage larger and more complex events in the future.

- **Eco-Friendly Options:**

This system can help reduce waste by using digital tickets and supporting virtual events.

- **Customization and Automation:**

You can allow users to customize their events and automate routine tasks to save time

13. CONCLUSION

This project will help the respective events to manage and automate the entire database in the network. This project will definitely reduce the human efforts and makes the task of user, customer and administrator easier. Thus, keeping in mind the advantages and applications. we are developing an Event management website which has total management control of customer and employee and respective services of different events.

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