

# **EVENT BOOKING SYSTEM.**

**Final project proposal.**



**HIGHER NATIONAL DIPLOMA IN INFORMATION  
TECHNOLOGY.**

**HNDIT.**

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**TAN/IT/2022/F/0039**

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## **1. Introduction.**

An Event Management System is a comprehensive software solution designed to streamline the planning, organization, and execution of events. This system helps event organizers, vendors, and attendees coordinate effectively through digital tools that handle everything from registration to post-event feedback.

## **2. Background.**

Traditional event management relies heavily on manual processes, spreadsheets, and disconnected communication channels. This approach often leads to inefficiencies, miscommunication, and difficulty scaling operations for larger or multiple events. Digital event management systems have emerged as a solution to centralize these processes and improve coordination.

### **3. Problem statement.**

- Event organizers struggle with coordinating multiple vendors, venues, and schedules simultaneously
- Manual tracking of registrations and payments is time-consuming and error-prone
- Attendee experience suffers from disorganized check-in processes and limited access to event information
- Post-event analysis lacks structured data collection for measuring success metrics
- Resource allocation is often inefficient due to poor visibility into overall event requirements

### **4. Aim & object.**

#### **4.1 Aim.**

To develop a comprehensive event management system that simplifies planning, improves coordination, and enhances the experience for all stakeholders.

#### **4.2 Object.**

- Create a centralized platform for event planning and execution
- Automate registration, ticketing, and payment processes
- Implement real-time communication tools for stakeholders
- Develop reporting and analytics capabilities for event performance
- Design a user-friendly interface for both organizers and attendees

### **5. Scope of the project.**

**The system will include:**

- Event creation and configuration

- Registration and ticketing module
- Vendor and resource management
- Attendee management and communication
- Scheduling and calendar integration
- Payment processing
- Reporting and analytics
- Mobile accessibility for on-the-go management

## **6. Expected out- comes.**

- A fully functional event management platform with web and mobile interfaces
- Reduction in planning time by at least 30%
- Improved attendee satisfaction through streamlined processes
- Enhanced data collection for event performance analysis
- Scalable solution capable of handling events of various sizes

## **7. Technologies and tools.**

## Core Technologies

- Backend: PHP
- Database: MySQL
- Frontend: HTML, CSS, JavaScript,
- Server: Apache

## Development Tools

- IDE: Sublime Text
- Version Control: Git and GitHub
- Local Development: XAMPP.
- Database Management: phpMyAdmin.
- API Testing: Postman.

## 8. Timeline

<b>Month</b>	<b>Phase</b>	<b>Activity</b>	<b>Deliverable</b>
Month 1	Planning & Design.	<ul style="list-style-type: none"> <li>.Requirements gathering and analysis</li> <li>• System architecture design</li> <li>• Database schema design</li> <li>• UI/UX wireframing</li> <li>• Project plan finalization</li> </ul>	<ul style="list-style-type: none"> <li>• Requirements gathering and analysis</li> <li>• System architecture design</li> <li>• Database schema design</li> <li>• UI/UX wireframing</li> <li>• Project plan finalization</li> </ul>
Month 2	Core Development	<ul style="list-style-type: none"> <li>• Database implementation in MySQL</li> <li>• PHP environment setup</li> <li>• User authentication system</li> <li>• Event creation and management features</li> <li>• Admin dashboard development</li> </ul>	<ul style="list-style-type: none"> <li>• Database with tables and relationships</li> <li>• Login/registration system</li> <li>• Basic event CRUD functionality</li> <li>• Initial admin controls</li> </ul>
Month 3	Feature Development	<ul style="list-style-type: none"> <li>• Registration and ticketing module</li> <li>• Payment gateway integration</li> <li>• Email notification system</li> <li>• Vendor management system</li> <li>• Calendar and scheduling features</li> </ul>	<ul style="list-style-type: none"> <li>• Registration/ticketing system</li> <li>• Functional payment processing</li> <li>• Automated email notifications</li> <li>• Vendor portal</li> <li>• Event calendar</li> </ul>

Month <b>4</b>	Enhancement & Testing	<ul style="list-style-type: none"> <li>• Report generation and analytics</li> <li>• Mobile responsiveness implementation</li> <li>• System testing and bug fixing</li> <li>• Performance optimization</li> <li>• Security audit</li> </ul>	<ul style="list-style-type: none"> <li>• Analytics dashboard</li> <li>• Mobile-friendly interface</li> <li>• Test reports</li> <li>• Optimized codebase</li> <li>• Security compliance documentation</li> </ul>
Month <b>5</b>	Deployment & Documentation	<ul style="list-style-type: none"> <li>• Deployment to production server</li> <li>• User manual creation</li> <li>• Administrator documentation</li> <li>• Training materials development</li> <li>• Knowledge transfer sessions</li> </ul>	<ul style="list-style-type: none"> <li>• Live production system</li> <li>• User documentation</li> <li>• Admin documentation</li> <li>• Training materials</li> <li>• Handover package</li> </ul>
Month <b>6</b>	Maintenance & Support	<ul style="list-style-type: none"> <li>• Bug fixes and system monitoring</li> <li>• Performance tuning</li> <li>• User feedback collection</li> <li>• Minor feature enhancements</li> <li>• Backup and recovery planning</li> </ul>	<ul style="list-style-type: none"> <li>• Bug fixes and system monitoring</li> <li>• Performance tuning</li> <li>• User feedback collection</li> <li>• Minor feature enhancements</li> <li>• Backup and recovery planning</li> </ul>

## 9. References.

- [\*\*https://1sourcecodr.blogspot.com/2023...\*\*](https://1sourcecodr.blogspot.com/2023...)
-  **Recommended Hosting:**
-  **Best WordPress Hosting:**  
[\*\*https://phpgurukul.com/hosting/wp\*\*](https://phpgurukul.com/hosting/wp)
-  **Best Shared Hosting:** [\*\*https://phpgurukul.com/hosting/sh\*\*](https://phpgurukul.com/hosting/sh)
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-  **Recommended PHP Books:**
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-  **The Joy of PHP:** [\*\*https://amzn.to/36Cuyll\*\*](https://amzn.to/36Cuyll)
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