IJITCE

ISSN 2347- 3657

International Journal of Information Technology & Computer Engineering

Email : ijitce.editor@gmail.com or editor@ijitce.com

International Journal of Information Technology & Computer Engineering

ISSN 2347–3657

Volume 12 , Issue 1, Mar 2024

EVENT MANAGEMENT SYSTEM

Chowdary Medha[1], Mohammad Rehan pasha[2], Dhumale Saikiran[3], Dr I Nagaraju[4]

[1,2,3]B.Tech Student, Department of CSE (Data Science), Malla Reddy College of Engineering and Technology, Hyderabad, India.

[4] Professor, Department of CSE (Data Science), Malla Reddy College of Engineering and Technology, Hyderabad, India.

ABSTRACT :

Event Buddy is an innovative and user-friendly event management platform crafted to simplify the intricacies of planning, organizing, and overseeing diverse events. This website serves as a comprehensive hub connecting event organizers, attendees, and vendors seamlessly. The primary goal of Event Buddy is to offer a streamlined experience, empowering event organizers to effortlessly create, promote, and manage their events through an array of tools and features. By enabling organizers to craft personalized event pages, customize details, oversee registrations, and facilitate ticket sales, Event Buddy transcends the limitations of traditional manual systems. In the absence of automation, event organizers would need to maintain exhaustive records of service providers to ensure efficient communication and event planning. The implementation of an automated system is crucial to meet these demands, allowing colleges to transition their paperwork management online and efficiently handle the myriad activities associated with event planning.

I.INTRODUCTION

Event management is the application of project management to the creation and development of small and/or large-scale personal or corporate events such as festivals, conferences, ceremonies, weddings, formal parties, concerts, or conventions. It involves studying the brand, identifying its target audience, devising the event concept, and coordinating the technical aspects before actually launching the event.[1]

The events industry now includes events of all sizes from the Olympics down to business breakfast meetings. Many industries, celebrities, charitable organizations, and interest groups hold events in order to market their label, build business relationships, raise money, or celebrate achievement.

The process of planning and coordinating the event is usually referred to as **event planning** and which can include budgeting, scheduling, site selection, acquiring necessary permits, coordinating transportation and parking, arranging for speakers or entertainers, arranging decor, event security, catering, coordinating with

ISSN 2347–3657
Volume 12 , Issue 1, Mar 2024

third-party vendors, and emergency plans. Each event is different in its nature so process of planning and execution of each event differs on basis of the type of event.

The **event manager** is the person who plans and executes the event, taking responsibility for the creative, technical, and logistical elements. This includes overall event design, brand building, marketing and communication strategy, audio-visual production, script writing, logistics, budgeting, negotiation, and client service. Due to the complexities involved, the extensive body of knowledge required, and the rapidly changing environment, event management is frequently cited as one of the most stressful career paths, in line next to surgeons.[2]In the dynamic landscape of event organization and management, the need for a sophisticated and user-friendly solution has never been more crucial. The "Event Buddy" project emerges as an innovative and comprehensive Event Management System designed to revolutionize the way events are planned, organized, and executed. Recognizing the challenges faced by event organizers in the manual handling of intricate details, Event Buddy offers a seamless and efficient platform that connects organizers, attendees, and vendors. This project aims to streamline the entire event management process by providing a suite of tools and features that empower organizers to create, promote, and manage events effortlessly.

As we delve into the intricacies of Event Buddy, we discover its multifaceted capabilities, from customizable event pages and detailed event management to streamlined registration processes and ticket sales. The system goes beyond the limitations of traditional manual methods, paving the way for a more efficient and automated approach to event planning. Notably, it addresses the common challenge faced by organizers in maintaining a plethora of details about service providers, ensuring timely communication and effective event coordination.

In this introduction, we embark on a journey into the realm of Event Buddy, recognizing its potential to reshape the event management landscape by introducing automation, user-friendliness, and a holistic platform that caters to the diverse needs of event organizers, attendees, and vendors alike.

II.LITERATURE REVIEW

1.The Research on Sports Events Organization and Management Information System Based on Process Aware, Yunchao Ma; Zhongqiu Ji,The modern Large-scale Sport Events organization and management is a complex system engineering, in the process of Large-scale Sport Events organization and management will produce a large amount of information data, if the information is not timely and accurate collection, it may result in a waste of resources and organizational confusion and other bad results to

ISSN 2347–3657
Volume 12 , Issue 1, Mar 2024

the organization and management of Large-scale Sport Events. In order to improve the efficiency of organization and management of Large-scale Sport Events, this research constructs a Large-scale Sport Event organization and management information system based on process aware technology, realize the goal that Large-scale Sport Events organization and management process information timely, comprehensive and accurate collection, analysis and processing, in order to help the running and management of modern large-scale sports events efficiently.

2.valuation of Campus Event Management Information System Using System Usability Scale Method,Rizka Hadiwiyanti; Tri Lathif Mardi Suryanto; Eristya Maya Safitri,Within a year, universities as educational institutions can organize tens or hundreds of activities or events, such as seminars, workshops, exhibitions, cultural festivals, arts and sports and others. A web-based Campus Event Management Information System was developed and implemented to provide better managerial services in managing campus activities for both internal and external parties. This research is a continuation of previous research and focus on the evaluation of usability system to confirm whether users could approve Campus Event Management Information System using System Usability Scale (SUS). The average value of SUS is 70.80, indicating that the system is classified OK/fair based on the adjective ratings users. The system has not fully accepted and needs improvement in GUI interface since some users have difficulty in navigating the systems.

2. Document and Event Record Management System: A Prototype,Noor Latiffah Adam; Muhammad Akmal Hakim Che Mansor; Muhamad Faliq Pauzi; Shaharuddin Cik Soh,Good record-keeping makes better reports and contributes to exceptional planning for the future. During the Covid-19 pandemic, most offices were operating from home. Having such a system would help to keep track of important documents and events. A small office may find such a system a lifesaver where it can provide a CRUD (create-read-update-delete) function, generate reports, serve as activity logs, and provide feedback. The prototype was developed as a web-based system, combining document and event management records. PHP and MySQL databases were the backbones of the system. A case study consisting of the ABC Department was used to illustrate the usage of the prototype. The prototype could be customized to client requirements.

III.EXISTING SYSTEM

The current event management system relies heavily on manual processes, introducing inefficiencies and challenges in planning and execution. Manual record-keeping and data entry often lead to errors and delays. Accessibility is limited as information is

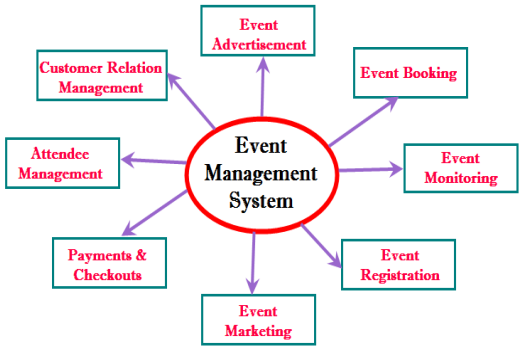
ISSN 2347–3657
Volume 12 , Issue 1, Mar 2024

confined to physical documents or local databases, hindering real-time collaboration among stakeholders. Communication is decentralized, relying on emails and phone calls, which can result in miscommunication and difficulties in coordinating with various stakeholders. The registration process is tedious, involving paper or basic online forms, causing delays for attendees and challenges for organizers. Traditional marketing methods such as flyers and word of mouth are employed, lacking the precision needed for successful event promotion, limiting audience reach, and impact.

IV.PROPOSED SYSTEM

The proposed Event Buddy system aims to revolutionize event management by introducing streamlined automation, centralizing information on a collaborative platform, and enhancing communication channels. Automation reduces manual efforts and minimizes errors, improving overall efficiency. A centralized platform allows organizers, attendees, and vendors to access and update real-time event information, fostering better collaboration. Efficient communication tools, including messaging systems and notifications, are integrated to reduce the risk of miscommunication and enhance coordination. User-friendly and automated registration processes contribute to a smoother event experience. The system also integrates modern digital marketing strategies, enabling organizers to reach a wider audience online, ensuring increased event visibility, higher attendance, and overall success.

International Journal of Information Technology & Computer Engineering
ISSN 2347–3657
Volume 12 , Issue 1, Mar 2024



Event Management System (EMS) Overview

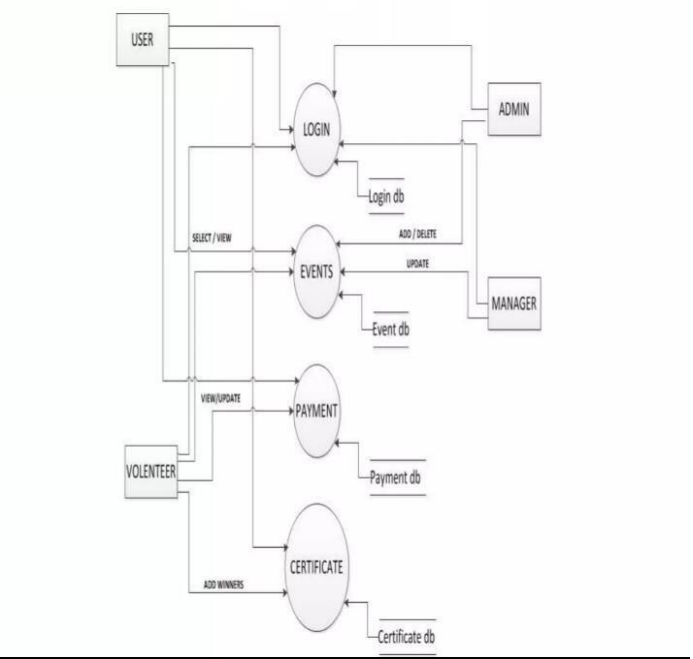


Fig - 1User Flow Chart

The proposed system uses android architecture and builds upon it an application which shall be able to answer some of these questions and provide user interface which is more interactive and responsive for consumers and can seamlessly integrate popular web services like facebook, paypal to use their services for managing an event from scratch. The proposed system shall provide the following features:

A.categorization of services for individuals as well as eventmanagement companies

B.trusted reviews and rating system

C.interactive u.i for easy and quick operations.

D.easy vendor management

E.flexible payment options

F.filters for sorting and customizing search

V.MODULES

- Manage Users: The record of the users is kept for record keeping and analysis.
- Manage Category of Event: Updates or changes related to any event are specified and details about the event and its management for the user need and information.
- Manage Event Packages: Packages cost, style, and behavior can be updated according to the ongoing market analysis and business principles.
- View Event Booking requests from a customer: The request is directly posted from user end to the administrator and the details about the booking (i.e. event day details)
- View Feedback given by customers: The feedback submitted from the customer is taken into consideration and a related action can be thus taken.

VI.CONCLUSION:

In conclusion, the Event Buddy project represents a significant leap forward in the realm of event management, addressing the limitations of the

ISSN 2347–3657
Volume 12 , Issue 1, Mar 2024

existing manual system. By introducing streamlined automation, centralizing information, and enhancing communication channels, this innovative platform offers a comprehensive solution to the challenges faced by event organizers. The user-friendly features, efficient registration processes, and modern marketing strategies contribute to a more effective and enjoyable experience for organizers, attendees, and vendors alike. The proposed system not only streamlines current practices but also sets the stage for a more dynamic and responsive approach to event planning in the digital age.

VII.FUTURE SCOPE:

Looking ahead, the future scope for the Event Buddy project is promising. Continuous improvements can be made to the system by incorporating advanced data analytics to provide valuable insights into attendee preferences and event success metrics. Integration with emerging technologies like augmented reality (AR) and virtual reality (VR) can enhance the overall event experience for attendees. Furthermore, expanding the platform to include features such as live streaming, audience engagement tools, and enhanced vendor management can cater to the evolving needs of the event management landscape. The scalability of Event Buddy opens the door to customization for various event types, making it adaptable for conferences, exhibitions, and social gatherings. Ongoing research and development efforts can further elevate Event Buddy as a benchmark in the domain of event management systems, ensuring its relevance and effectiveness in the years to come.

VIII.REFERENCES

1.Dianne Rahm, *The role of information technology in building public administration theory*, 1999.

2."MESA International MES Explained: A High Level Vision [R]", *White Paper 6 Pittsburgh: Manufacturing Execution Systems Assoc*, 1997.

3.Federal Highway Administration Managing Travel For Planned Special Events, Washington D.C., 2003.

4."NCHRP. Transportation Planning and management for Special Events A synthesis of highway practice" in Transportation research Board, Washington D.C., pp. 32-41, 2003.

5.Nothing better than this (Transport for the Sydney 2000 Olympic and Paralympics Games), Sydney, Australia:OTRA, 2001.

6.*US Olympic Festival 1989 After Action Report: Transportation Planning Coordination and Operations*, 1989.

7. Steven H. Abrams, Moving Crowds in Chicago: Baseball And The 4th Of July Transportation Research Board, Washington, D.C., 2000.

ISSN 2347–3657

Volume 12 , Issue 1, Mar 2024

8.J. Weller, "Records Management: Maintaining Your Organization's Information", *Smartsheets*, Nov. 2021, [online] Available: https://www.smartsheet.com/record-management.

9.M. L. Jones, Sustainable Event Management., Routledge, 2011.

10.D. A. Bearman, "Record-Keeping Systems", *Archivaria*, vol. 36, 1993, [online] Available: https://archivaria.ca/index.php/archivaria/article/view/11932.

11.A. Watt and N. Eng, *Database Design*, 2014, [online] Available: https://opentextbc.ca/dbdesign01/.

12.V. Steadham Charles, D. Boccabella Daniel, B. Jones, A. Fuller Matthew and A. Lyons Jeffrey, "Event management system", *Computer Integrated Manufacturing Systems*, vol. 10, no. 2, pp. 180, May 1997.

13.G. U. Nneji, J. Deng, S. S. Shakher, H. N. Monday, D. Agomuo and I. D. Dike, "An Improved e-Clearance Management System for Graduating Students in a University Environment", *2018 IEEE 9th Annual Information Technology Electronics and Mobile Communication Conference (IEMCON)*, pp. 74-80, Nov. 2018.

14.L. Almukhaizeem, N. Almatar, M. I. Sarfraz and M. Sarfraz, "An Elegant and Efficient Database Design for Home-Based Restaurants", *2018 International Conference on Computing Sciences and Engineering (ICCSE)*, pp. 1-6, Mar. 2018.

15.I. Asghar, J. Cosgrove, W. Warren, O. A. Egaji, M. Griffiths and S. Barratt, "A Smart Transportation Management System for Managing Travel Events", *Proceedings of the 2020 10th International Conference on Information Communication and Management*, pp. 61-65, Aug. 2020.

16.S. Islam, R. Majumder, S. Sultana, S. Nasrin and R. Islam, "Toward a Generic Event Management System for Academia", *2019 5th International Conference on Advances in Electrical Engineering (ICAEE)*, pp. 706-711, Sep. 2019.

17.F. Y. A. Rahman, N. Kasuan, M. R. Dzulkifli, E. H. M. Saat, M. F. Dahari and M. A. Saidi, "Development of FKE UiTM Kampus Pasir Gudang lab equipment web database", *2016 7th IEEE Control and System Graduate Research Colloquium (ICSGRC)*, pp. 57-61, Aug. 2016.

18.S. Jain, R. Garg, V. Bhosle and L. Sah, "Smart university-student information management system", *2017 International Conference On Smart Technologies For Smart Nation (SmartTechCon)*, pp. 1183-1188, Aug. 2017.

19.T. Conolly and C. Begg, Database Systems: A Practical Approach to Design Implementation and Management, 2015.

20.T. Majumder, "Importance of Digitizing Paper Documents", *SARANGSoft*, Aug. 2015, [online] Available: https://sarangsoft.com/blog/importance-of-digitizing-paper-documents/.

ISSN 2347–3657
Volume 12 , Issue 1, Mar 2024

21.S. Voight, "4 Steps to Convert from Paper-Based to Electronic Record Keeping", *InfinityQS*, Jan. 2019, [online] Available: https://www.infinityqs.com/blog/january-2019/4-steps-to-convert-from-paper-based-to-electronic.

22.R. Sherman, "Chapter 18 - Project Management", *Business Intelligence Guidebook*, pp. 449-492, 2015, [online] Available: https://doi.org/10.1016/B978-0-12-411461-6.00018-6.

23.B. W. Boehm, "A Spiral Model of Software Development and Enhancement", 1988, [online] Available: https://doi-org.ezaccess.library.uitm.edu.my/10.1109/2.59.

23.M. Dabbs, *The Fundamentals of Web Application Architecture*, 2019, [online] Available: https://reinvently.com/blog/fundamentals-web-application-architecture.