

A Cloud-Hosted Advanced Event Management System for Secure Event Organization & Management around the North-East Part of India

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Abstract - With the growing world, technology is getting better and advanced every single day. Because of this progressive technology the physical human effort is decreased and the overall man-per-hour calculation has been optimized. So, in this paper, we proposed to develop an online event management system that serves the functionality of an event manager in a sophisticated & digital manner. We concentrated on the problems faced by the people of Guwahati city, the business capital of Seven Sister States, that there is no proper event management platform is available for organizing social events in a proper manner. People face difficulties when using the old fashioned, traditional & analogous system of event management. Because of this reason, we are proposing a digital & cloud-based solution for resolving the awful situation. We have developed an online event management system which provides all the basic software functionalities required for a physical & social event and user can enjoy the services online rather than roaming around for making an arrangement in a completely uncertain way. The proposed system allows the user to select event type, date, place and all other event requirements just by clicks in our Website. We have studied a lot of websites for comparing our proposal with the existing one. We found our developed system has potentials for leading the e-event management programs in this part of the world.

Key Words: Event management, Cloud hosting, HTML, CSS, Events, Website, Proposed system, PHP, Login, Register, Payment.

1.INTRODUCTION: It is obvious that event management is not something that came into existence recently. Previously also people use to manage their own celebrations dealing with vendors etc. so they were acting as an event manager themselves.

At that it may or may not be the concept of even managers were not into existence. To this sector is being running unknowingly from last thousand s of years. But it is necessary to conclude everything today and it includes how

this event management concept originated in to people's mind.

For this we must go back to the time of Cleopatra. Cleopatra was the last active ruler of the Ptolemaic kingdom of Egypt. Cleopatra was well known at that time for orchestrating elaborate and lavish meeting is an attempt was a lover. That time she was the one who hosted fancy over the top meetings in pursuit of lovers.

Event management is a huge and fast-growing industry which has big impaction compares and brands in general. Previously event management was all about face-to-face seminars, meetings, conference, exhibitions, product lunches etc. However, with the digital revolution the face of event management has changed drastically and now it is mast versatile and dynamic industry is bound to evolve faster than one think of.

Being facing the COVID situation from last one and half year we see a very big problem faces by the people of Guwahati. There are many important meeting and wedding could not organize with proper precaution and government guideline because they don't find the wedding halls and hotels. For booking they must go to every event physically near their house to find booking and it is very different to go physically in every event planner for booking. And it is not for only the COVID situation then I realize that these problem faces by the people of Guwahati from past many years. Then our team decide to build a website to overcome from these problems. In our website all the places where the banquet halls, hotels are present in city Guwahati where all the meetings, wedding and other cultural event, parties can organize are present in our website online. So, the people can book their all events online from home no need to go physically.

We also add some feature like People can book venue in which date and time they want. People can find the budgeting in the website. And a very new and important feature we add that with using another software company all the people present in the event they find their picture in

their mail which is now most important. And the cars safety precaution and measure.

We developed the website by using different yet coherent languages like- HTML, CSS, PHP, etc. SQL also used for the database. These categories help the user to plan an event on a single console and it is convenient for the user.

2. Literature Survey:

We have examined a few papers dependent on occasion the executive's framework. First paper we have considered is Event Management System which was distributed in January, 2019 and distributed by Arsheen Khan and at all [1]. This paper they proposed framework to be a web application which improving the effectiveness via programmed and carrying out occasion joint effort, observing and the executive's framework. This product just for the understudies where will get all insights about occasions online after the login. HOD will refresh all data on the departmental entryway and understudy can undoubtedly get subtleties. After consummation of occasion all took an interest understudies just as champ will get endorsement on their Gmail account.

The second paper we have examine is named as Event Management which was distributed in January 2019 and distributed by Miti Shah and at all [2]. This paper they have fostered an occasion the board programming which would assist chief with getting sorted out just as direct the occasion. This proposed framework to be a web application. The framework gives all the fundamental usefulness needed for occasion type like gathering, wedding, business and so on Through this product the particular occasion will be overseen and computerized to the whole information base in the organization. This product assist director with welling client a great deal.

In the third paper we completely break down and contemplated the issues have in the current framework. The paper is named as Event Management which was distributed in the middle of November and December 2016 and distributed by Vinay Mishra and at all [3]. This paper they proposed to fostered an occasion the board web application. This task gives the fundamental usefulness needed to an occasion type like-Marriage, Dance show, Birthday celebration and so forth the framework at that point permit the client to choose date and season of occasion, place and the occasion gear. The information is shipped off site proprietor and they associate with the customer according to the prerequisite.

The fourth paper we select to survey is named as Event Management System which was distributed in May, 2019 and distributed by Mr. Nagesh Babu and at all [4]. This paper proposed to fostered an application which will available just for Android. Application will principally zero in on birthday celebration, marriage capacity and get-togethers. This application will be created utilizing Android studio and back end will be overseen in SQL information base. Application will have simple and achievable GOI for all kind of client.

The fifth paper we attempt to dissect considered is named as Event Management System which was distributed in December, 2017 and distributed by Mr. Krunal Miasek and at all [5]. This paper proposed to foster a web application for occasion the executive's framework. This keen Event Management System can be presented which utilizes the cutting-edge innovation overseeing different assignment and making arrangements for workers, client, area, transport and that's just the beginning. This ventures a large portion of the essential usefulness needed for an occasion.

The 6th paper which we have considered is named as "Barcode Enabled Event Management System for Logistics and Consumable Management" which was distributed in 2013 and distributed by Aswin Chandrasekharan and at all [6]. In this paper confirmation is given by standardized tag. Scanner tag used to guarantee and effective just as it is secure. The result of this is speedy and gotten enlistment.

In the seventh paper we review the problems face using in traditional system. The paper is named as A study and implementation of event management system using smart phone which was published in May, 2018 and published by Sachin Ajay Kumar Pani and at all [7]. In this paper they are proposed to developing an android application for event management. This application is only for android users. This application will mainly be focused on educational, medical and social events. this system provides most basic functionally required for an event. The system allows the user to select date and time of event place and event equipment.

The 8th paper which we have studied is named as Special event management and marketing: A case study of TKBL all-star 2011 in Turkey which was published in January 21, 2011 and published by Huseyin Kose (Anadolu University) and at all [8]. This paper study is for managing and marketing a successful special sport event and to make several contributions for the sport event manager and

marketing manager. For this case study data was collected from the primary and secondary source. The researchers carried out five group interviews with key informant in the special sport event. This paper focus on the dimension of event management named ticketing, transportation and PR and Risk management.

In the 9th paper we thoroughly reviewed and studied is named as Safe event management which was published in 10th June, 2008 and published by Dr. Mick Upton (Centre for crowd Management & Security. Studies Buckinghamshire New University) and at all [9]. This paper argues that safe event management is fully effective when as in -depth even risk analysis. Underpin a risk assessment for crowd safety. They only focus on the risk assessment and finally current popular lowlihood X consequence model for risk assessment reviewed and critique of the limits of mathematical modeling is considered and finale the level of fatal accidental at concert even is considered as a basic for risk analysis.

The 10th paper we have studied is named as Toward a platform_ independent event management model for web collaboration which was published in 2016 and published by Santi Caballe and at all [10]. This paper proposed to develop a generics and exhaustive platform – independent event model for web- collaborations to meet different event notification needs as well as providing, extensibility and rescue Capabilities.

In the 11th paper we selected to review is named as “Smart Event Management System” which is published in 2016 and published by Assistant prof. Khalil Pinjars and at all [11]. This paper introduced a system which will be computerized and has been developed using advanced language. It was a web application on order to overcome the drawback of traditional event Managing System. A new Smart Event Management System has been introduced which uses the modern technology of Net Framework for managing various task and planning for Employees, Customer, Location, Transport and more.

The 12th paper we thoroughly analyze is named as online Event Management System which was issue in April/2020 and published by Karai Rajeswari and at all [12]. In this paper they take the problem occurred in traditional booking.

In traditional booking system there are lots of problem occur like miscommunication very much time consuming etc. to overcome this problem they developed a web application by using the digital wedlock assistance

which is utilized to book the capacity, Hall, Food Item, Clothing Stage Decoration things which are utilize for marring.

The 13th paper we reviewed is named as I.T. Infrastructure Event Management System which was published in September, 2016 and published by August Anthony N. Balute and at all [13]. This study proposed to refire the efficiency of existing event management process and to developed a system to marriage incident tickets. The researcher collected the data through face-to-face interviews, observation and questionnaire to event management members and questions to event management members and resolving team for Fidelity Information Services. Based on the study conducted the event management department needs more efficient system to manage such incident. To address this problem, the researches devised a new tool for the department to up lift their standard processing for incidents. The system will also significant not only to the Fidelity Information Services but the other industrial firms as well.

The 14th paper we reviewed is named as Event management system on web platform which was published in March 2018 and published by J.M. Raja Shanmugam and at all [14]. The researcher taken the problem that the event management system is not automated and not secure because of that it taken more time and more people to works. So, the aim of these project in automation of semi – automation of conducting event. This project will include minimum manual work and maximum optimization, abstraction and security.

This is an android application which help easily to conduct and organize event for student. The key factor of this project is that has social media linkages, where the event can be familiarized to localities.

The last paper we thoroughly reviewed is named as Web-based event management System which was published in between May and June 2019 and published by May Paingpaing Raw (department of Information Technology, Technological University, Yargon, Myasur). Now a day all activities are online so to overcome the problem hold in traditional event management system the researcher develops a web-based event management system by using J2EE java programming language, Struts and MySQL server 2019 is used to store data. It is used to manage all seminars and event for universities using this system the member can know the upcoming seminars and they can easily register via online.

3. Methodology:

We have studied several research papers based on event management and we also analyze different websites from the internet. After studying and analyzing the paper and website we found different problems exists in the event management system. Our main focus is that in our city Guwahati there are no such proper event management system is developed because of why the people of Guwahati faces difficulties while arranging an event like wedding and party etc. The first problem we found that maximum of the website is only made for android, so from other operating system devices they can't open. The second problem we found that some websites are particular for one occasion like available only for wedding some are only for commercial and some are only for private parties that's why one person if she arranges different parties, she must go to different particular website to book her slot. The 3rd problem we found that the websites are dynamic but in some of the website for the online money transaction is not there so, for money transaction the customer call the manager and transfer amount traditionally. The 4th problem in maximum of the website, whenever the user opens the website, the customer must need to register or login. Without register or login the user can't see the basic features provided by them the rating their mission, vision, previous event organized etc. that's why maximum people open but left from the website. The next problem we found in the other websites that the users does not find the nearest planner from their residences automatically. And in some website, there are some security issues in login pages like login page does not work properly. One of the other problems we found are that now a days photos are more important for people because now a day, maximum people have different social media accounts and they are happy if they found their photos click by the photographer in the event. But it is not possible to give every people present in the event personally. So, they are upset because the photos are sent to 10-15 people who are related to organizer or family member of the event organizer. We also find the solution of this problem. One of the big problems is the wastage of food in are event. In every event some foods are wastage because being human a cook can't make the proper count of food, maximum time they make more food and the rest amount of food are wastage, so if we see average wastage amount of food it's a huge amount. We also find a solution of this.

After studied and analyze all the problems we proposed to make an event management system which solved all these problems.

The proposed system the flow control of the proposed system is given below

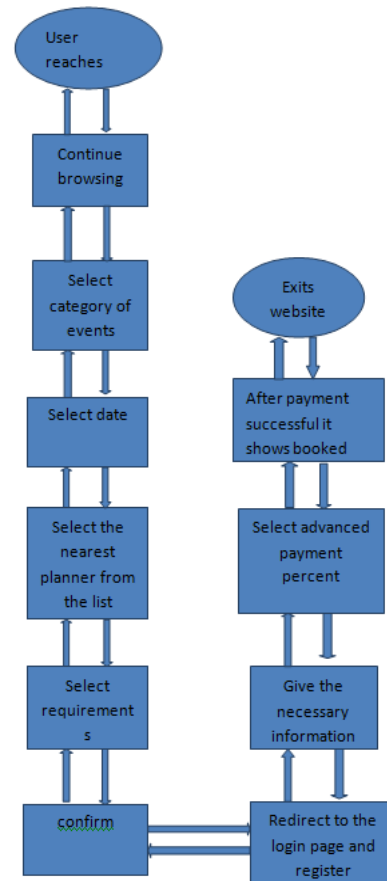


Fig1: Flow Control Diagram

This flow diagram describes the flow control of our proposed system how the system works.

Our proposed system is applicable for both windows and android and MacOS. The user interface will be like when the user reaches website homepage they can continues browsing and they can see the different feature like about us, mission, gallery, previous event organized etc. without login or register. If the user wants to book an event they must need to Register or Login with necessary credential. The user can select category of event like- wedding, party, commercial event etc. after selecting the event they can choose the date in which they want to organize the event. When they click the date, it shows the nearest event planners which are not booked in the selected date. After the planner selection, they could select the requirements they needed. And after that they should pay an advanced percent for booking and they can pay the different online payment method like Google

Pay, Paytm etc. After the payment successful it shows the event booked.

The key features we include our proposed system is that the user can find all types of event booking (example-wedding, party etc.) is one website. One of another new features we include that the user can contact with the website owner for any query. The user also can see all the picture of the event planner from the tab gallery. Once of the new feature we added that the website is also connect with a facial recognition software company by which all the people present in an event can get all their picture clicked in the event in their personal emails. And one of the new feature that we add that it helps the neediest people, the rest amount of food in an event is utilized by distributing the people who don't by food for financial reasons. Or it will be distributing to different NGOs like children's home, abnormal children home etc.

The proposed system has been developed using different languages like HTML, CSS, JavaScript and PHP because of why it provides more facilities than the existing system. For the fronted of the website part we used HTML and CSS. And the backend part we used PHP because PHP was originally designed to be embedded in HTML. It was implemented as a module that gets loaded in to a web server. Using the PHP, we got primitive for creating classes and a huge array of standard functions. To the physically seen part like different tabs or images etc. we used HTML and the designing part of the website we used CSS, which make our website more attentional and creative. For implementing complex feature on our website, we used JavaScript which allow us to implement displaying timely content updates etc. And we used JavaScript in both client side and server side. One example is for the search bar button we used JavaScript. In JavaScript we used commons module. In HTML we used import. meta. document module and CSS we used different modules like import. styles, import. React. etc. This system provides a quick access to any data stored in the database.

In the system the user has to enter their data only once, the inserted data stored in the database which links with all the files. Using this system, the user easily can retrieve the information about any event. It is also easy to use for the users.

The advantages of our proposed system are this is an automated system where the system fetches data from database so human physical interaction not needed. It is easy to understand and easy to use for the user. It saves a lot of important time and effort. Pre-occasion pressure is not needed. Do not have to worry about security issue.

4. Test results and analysis:

We have tested our website with various users and the system works properly. User can book any event without facing any difficulties. The following are some of the screenshots of the test result:

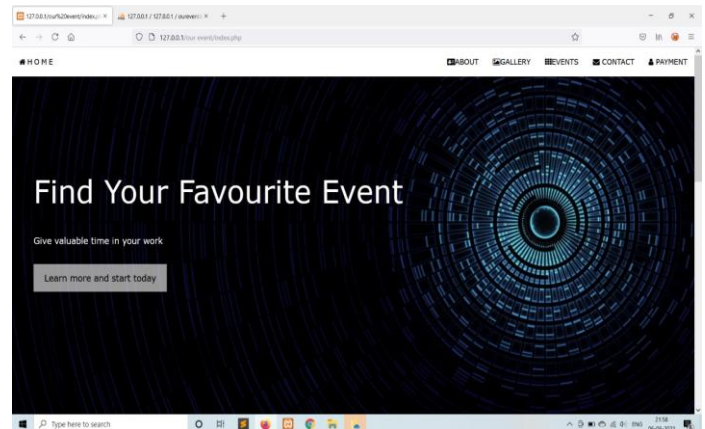


Fig: 2

This is the home page of our website. When any user enters in to our website this is the first page shown to the user.

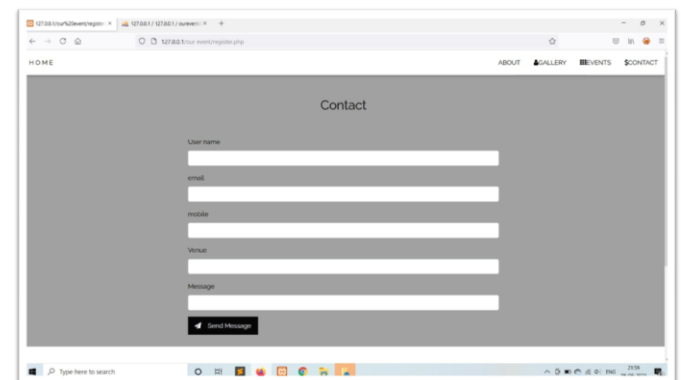


Fig: 3

This is the registration or login page of our website, where the user needs to register or login before selecting and event type.

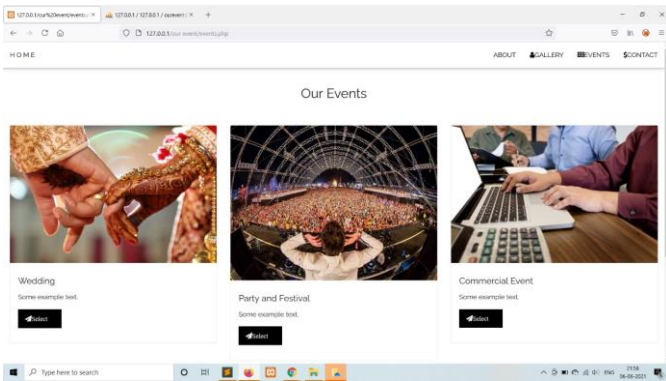


Fig: 4

This are the type of event provide by our website.

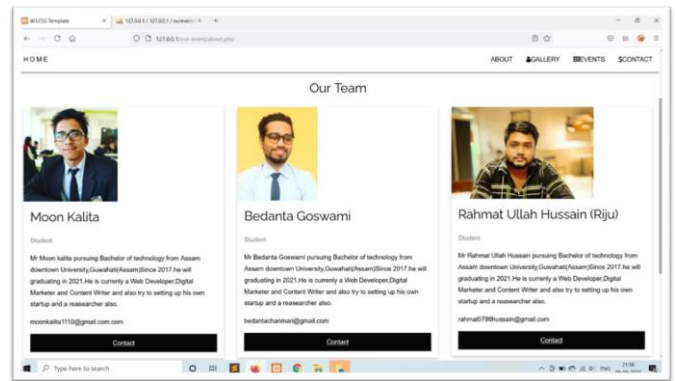


Fig: 7

This is the team who built the website.

5. CONCLUSIONS

Through the software the users can organized their event from the nearest of their residence without facing any difficulty. And the users also don't need to take pressure how to handle the event because all the requirement needed for the event provided by the event planner if the user required. In future we will be try to include some other new features also which make our software more efficient and it also cover the other problems face by the users by using present system. We also try to implement more security to our website. In future if the website grows properly then we will also try to cover more cities with more event planner.

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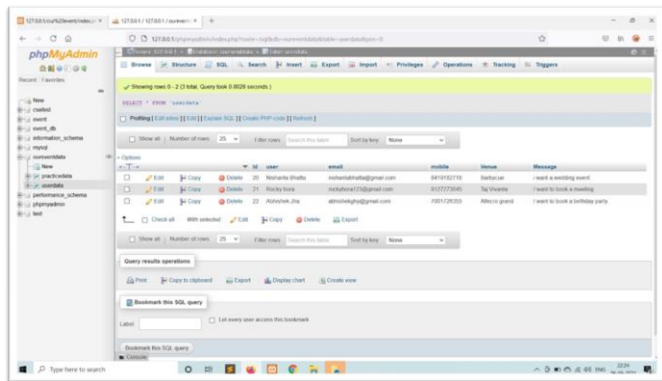


Fig: 5

This is the database we use to store user's data some examples of test result or user's data you can see in the snapshot.

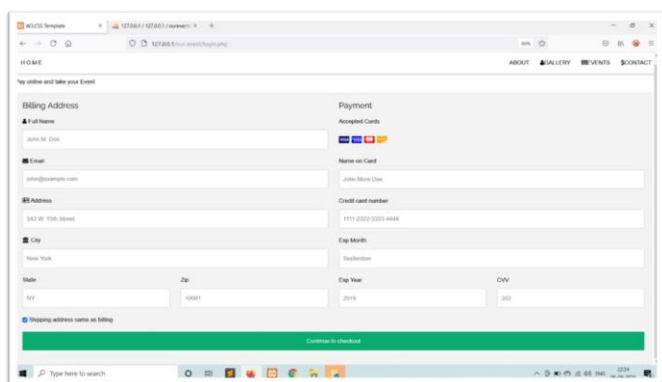


Fig: 6

This is the bill payment form by which user booked their slot with a advance percent.

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BIOGRAPHIES



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