RENTAL BUILDING MANAGEMENT SYSTEM

Submitted by
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of

BACHELOR OF COMPUTER APPLICATION
A Project Report Submitted to the
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Submitted For the Viva-Voce Examination Held On 10/5/23

INTERNAL EXAMINER

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ABSTRACT

The entire rental management system project is based on the interaction of owners and the customers .and this app very useful for house owners and the owner is update on the apartment,office details, house and paying guest details. The customer also details the room ,rent and address details. They easy to serch and the suitable location of apartment office.There is an urgent need to embrace and appreciate what teachnology can do. The house sector remains vigilant. In this department while facing a change challenge by employing a new strategy that facilitates easy management of tenant people And customers are free to choose any place of their choice based on their purse and the availability of such houses at the time The Rental Management System is best application in the city place The customer contact and the easily search and the suitable place of Apartment, Office, PG, House and based the Money, Limit Person is based on the suitable house. The Rental Management System is save the time also. The Rental Management System is used to easily identify the suitable place in Save time, cost also. The Rental Management System is best way to search the house, Apartment office, Paying Guest. Hence this system is best applicable for the above reasons making House rental an easy process through an online system.

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11. CONCLUSION & FUTURE ENHANCEMENT

11.1 CONCLUSION

Effectively resolving the apartment issues is important to the buyer's long-term future, the Home Rental Project will be an important tool for creating rental housing stability by helping tenants speak with greater credibility through initiating and documenting communications and building productive relationships with sellers. Home Rental project provides buyers of specific housing associations and social sellers International Journal of Pure and Applied Mathematics Special Issue 1681 with a simple way to report and arrange repairs to properties. Finally, the goal of the project is to create a better relationship between tenants and a sellers which can be achieved through this project.

11.2 SCOPE FOR FUTURE ENHANCEMENT

In future our project is meant to satisfy the needs of rental house owners. Several user friendly interfaces have also been adopted. This package shall prove to be a powerful in satisfying all the requirements of the users. It is with utmost faith that I present this software to you hoping that it will solve your problems and encourage you to continue appreciating technology because it is meant to change and ease all our work that seems to be very difficult. I don't mean that my project is the best or that I have used the best technology available it just a simple and a humble venture that is easy to understand. In extent we can add GPS system in build and can give live chat online option to users. This project can also be extended to IOS Platform and several state Database can be included. Could also allow local business to push deals/coupons within.

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RESTAURANT MANGEMENT SYSTEM
PROJECT REPORT

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1. ABSTRACT

The aim of this project is to develop an online restaurant management system which is easily accessible to the customers. We propose to build a software project that can efficiently handle and manage various activities of a restaurant and all these activities will be happening under the supervision of the administrator. The main objective is to design a Restaurant table booking and managing system effectively. The businesses in restaurants are now growing constantly. At the same time, the need for managing its operations and tasks arises. The best way to optimize these activities is growing the business online as well. Today's generation encourages high-tech services especially over the Internet. Hence the project is developed proficiently to help restaurant owners automate their business operations. This project serves the best way of maintaining customer's information and caters their needs.

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10. CONCLUSION AND FUTURE ENHANCEMENT

10.1 CONCLUSION

A restaurant management system is an essential tool for any restaurant owner or manager who wants to efficiently manage their business operations and increase profitability. By leveraging technology such as point-of-sale systems, inventory management software, and online ordering platforms, restaurant owners and managers can streamline their processes, track sales and expenses, and make data-driven decisions to improve their business.

10.2 FUTURE ENHANCEMENT

There are several ways that a restaurant management system can be enhanced in the future to further improve the efficiency and effectiveness of restaurant operations. One potential area of improvement is the integration of artificial intelligence (AI) and machine learning (ML) algorithms into the system. AI and ML can be used to automate repetitive tasks, such as inventory management and menu planning, and provide predictive insights based on data analysis.

Another area for improvement is the integration of mobile technologies, such as mobile ordering and payment systems. With more and more customers using mobile devices to order food and make payments, integrating these technologies into the restaurant management system can provide a seamless customer experience and improve overall efficiency.

In addition, future enhancements could also include the integration of virtual reality (VR) and augmented reality (AR) technologies to enhance the customer experience. For example, customers could use VR or AR to view a virtual menu or take a virtual tour of the restaurant before making a reservation.

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CRM FOR INTERNET SERVICE PROVIDER

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ABSTRACT

This project entitled as **"CRM FOR INTERNET SERVICE PROVIDER"**. The internet customers and complaint system for customers for raising complaints on the issues related to ISP provider and provide best customer care service for users using this web page. There are many Internet security providers in a country that will provide internet services for users on different packages. Basically ISP works on three connections, Dial Up using telephone service, Broad band and wireless connections. All the complaint details will be displayed to the admin as well as employee to enter the complaint resolution. Employee can login using valid id and password which is provided by the admin. After login, employee can view all the unsolved complaints received from the customers. After resolving the complaint, employee can update the provided resolution and close the complaint. In the project a round robin system as add and the (rrs) was play import function.

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11. CONCLUSION AND FUTURE ENHANCEMENT

11.1 CONCLUSION

E CRM can be cost effective for both small and large companies in terms of large customer coverage and reduced use of human and physical resources. It can also be said that e-CRM alone is insufficient in managing customer relation because if we want to make e crm effective then we have to collect sufficient potential data and we have to take effective further decisions along with CRM.

11.2 FUTURE ENHANCEMENT

CRM analytics, also known as customer analytics, offer insight into customer data. This data is important because it can help you make better decisions about the types of products, services, marketing and overall communications you distribute to your customers. . Following are the Enhancements to the website .

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ECOMMERCE WEBSITE MANAGEMENT SYSTEM

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ABSTRACT

Electronic Commerce is process of doing business through computer networks. A person sitting on his chair in front of a computer can access all the facilities of the Internet to buy or sell the products.Unlike traditional commerce that is carried out physically with effort of a person to go & get products, ecommerce has made it easier for human to reduce physical work and to save time. E-Commerce which was started in early 1990's has taken a great leap in the world of computers, but the fact that has hindered the growth of e-commerce is security. Security is the challenge facing e-commerce today & there is still a lot of advancement made in the field of security.The main advantage of e-commerce over traditional commerce is the user can browse online shops, compare prices and order merchandise sitting at home on their PC.For increasing the use of e-commerce in developing countries the B2B e-commerce is implemented for improving access to global markets for firms in developing countries. For a developing country advancement in the field of e-commerce is essential. The research strategy shows the importance of the e-commerce in developing countries for business applications.

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13. CONCLUSION

Conclusion

To conclude the description about the project : The project, developed using PHP and MySQL is based on the requirement specification of the user and the analysis of the existing system, with flexibility for future enhancement. The expanded functionality of today's software requires an appropriate approach towards software development. This ecommerce software is designed E- commerce site project is developed using PHP, CSS, Bootstrap, and JavaScript. Talking about the project, it has all the required essential features. This project has a user side where he/she can view product category and add products to cart and proceed for checkout whereas from administration side he/she can view sales, number of product, users, daily sales report, add product and categories. The user can also leave comments on each product if he/she wants. In this project, all the main functions are performed from the Admin side.User Friendly.

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ONLINE LIBRARY MANAGEMENT SYSTEM
PROJECT REPORT

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ABSTRACT

Online Library Management System is a system which maintains the information about the books present in the library, their authors, the members of library to whom books are issued, library staff and all. This is very difficult to organize manually. Maintenance of all this information manually is a very complex task.

Owing to the advancement of technology, organization of an Online Library becomes much simple. The Online Library Management has been designed to computerize and automate the operations performed over the information about the members, book issues and returns and all other operations. This computerization of library helps in many instances of its maintenances. It reduces the workload of management as most of the manual work done is reduced.

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6.CONCLUSION & FUTURE SCOPE

Library management system which willbenefit the students as well as the staff of the library.

It makes entire process online where student can search books, staff can generate reports and do book transactions. It also has a facility for student login where student can login and can see status of books issued as well request for book or give some suggestions. It has a facility of teacher's login where teachers can add lectures notes and also give necessary suggestion to library and also add info about workshops or events happening in our college or nearby college in the online notice board.

There is a future scope of this facility that many more features such as online lectures video tutorials can be added by teachers as well as online assignments submission facility , a feature Of group chat where students can discuss various issues of engineering can be added to this project thus making it more interactive more user friendly and project which fulfills each users need in the best way possible.

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PhotoChain: A Blockchain based Secure Photo Sharing Framework for Cross-Social Network

PROJECT REPORT

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ONLINE COMMUNICATION IMPLEMENTED VIA NETWORK SECURITY

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ABSTRACT

Communication is a mean for people to exchange messages. It has started since the beginning of human creation. Distant communication began as early as 1800 century with the introduction of television, telegraph and then telephony. Interestingly enough, telephone communication stands out as the fastest growing technology, from fixed line to mobile wireless, from voice call to data transfer. The emergence of computer network and communication technologies bears the same objective that is to allow people to communicate. All this while, much efforts has been drawn towards consolidating the device into one and therefore indiscriminate the services. Messaging is a method of using technology to bring people and ideas together despite of the geographical barriers. The technology has been available for years but the acceptance it was quit recent. Our project is an example of a message server. It is made up of admin application the user. Our project is related to a new way of messaging with people. Messaging and communicating with people through internet is becoming common to people and is connecting people all over the world. Mainly, messaging applications in today's world mainly focus on connecting people, providing users with more features like GIFs, stickers etc. But this application, is different from them. This messaging application includes messaging through internet using IP address. It mainly focuses on messaging and connects people all around the world. Mostly, messaging application like requires mobile no. of the person and then we can message and connect with the person. But here, the person only has to login with the system, and then he can connect with the people which he wants with.

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15.CONCLUSION ON THE FUTURE AND ENHANCEMENT

15.1.Future scope of the work:

- The option to send sms to communicate faster.
- Keep the records Backup In future.
- I would like to implement a regular backup mechanism to back up the employee database to avoid disasters.
- The system can be developed in such a way that its existing features can be modified to better versions.

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DETECTION OF DRIVER DROWSINESS AND ALARMING SYSTEM

PROJECT REPORT

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ABSTRACT

Our system is designed based on the research conducted and the project madein the field of technology to develop a system for driver drowsiness detection to prevent accidents from happening because of driver fatigue and sleepiness .This helps in identifying the real world idea of how the system works and in order to implement the overall system .Now a days many of the accidents occur due to drowsiness of drivers .it is the critical cause of incident on road ways. In this driveris continuously monitored through a webcam. This model mainly focusses on the driver's face, eye and mouth. this extracts the drivers face and predicting the blinkingeye from the blinking region, opening mouth from mouth region. we use algorithmfor the system to track and analyze drivers face and eyes to check the state of the driver whether he is drowsy or not.

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12. CONCLUSION

In this Project, we have discussed about the driver drowsiness system which is very helpful in deciding whether the driver is drowsy or not by the help of the machine learning algorithms such as support vector machine and logistic regression by the help of this algorithms the object obtained in the system or webcam is light sensed by checking the illumination and background light after light sensing the object will be captured and the captured image will be turned in to scale images for the better of analyzing the images and then the algorithms present in it extract the frames according to the trained phase and turn the object by converting in to the coordinates this are very helpful for algorithms for finding the eye, mouth and facial expressions using ear and mar algorithms .This is developed system for check the driver is drowsy or not.

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Abstract

In recent years, online social networks (OSNs) have become increasingly popular due to the rapid development of mobile applications and the explosive growth of online interaction. With the growth and accessibility of technology and internet, the ease of posting and sharing photos on social networking services (SNSs) has increased exponentially. The privacy of online photos is often protected carefully by security mechanisms. However, these mechanisms will lose effectiveness when someone spreads the photos to other platformsthe illegal disclosure of user's private data can cause damaging consequences and even threaten the safety of users' life.In recent years, there are some research works to address this privacy issue, yet they do not always focus on providing the normal social network services for users, such as data sharing, data retrieval and data access services. Therefore, it is a challenge to ensure the security of sensitive data while providing efficient and privacy-preserving social network services for users. In this paper, we propose PhotoChain, a blockchain-based secure photo sharing framework that provides powerful dissemination control for cross-social network photo sharing.Combined blockchain, Gaussian Blurr for Face Masking, PreHash Algorithm for Photo integrity verification and Access Control, Mechanism can achieve secure data sharing, data retrieving, and data accessing with fairness and without worrying about potential damage to users' interest. In contrast to security mechanisms running separately in centralized servers that do not trust each other, our framework achieves consistent consensus on photo dissemination control through carefully designed smart contract-based protocols. Considering the possible privacy conflicts between owners and subsequent re-posters in cross social network photo sharing, we design a dynamic privacy policy generation algorithm that maximizes the flexibility of re-posters without violating formers' privacy. Moreover, PhotoChain also provides robust photo ownership identification mechanisms to avoid illegal reprinting. Finally, this project implements a prototype of the framework and deploy it to a locally simulated social network. The extensive experiments and security analysis demonstrate the security, efficacy and efficiency of our proposed framework.

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9. CONCLUTION

9.1 Conclusion

In conclusion, the Photochain framework provides a secure and efficient way to share photos across multiple social media platforms, using the power of blockchain technology, pre-hashing algorithm, and Gaussian blur technique provides an innovative and secure solution to the challenges of sharing personal photos across multiple social media platforms. The use of pre-hashing algorithm ensures that photos are not tampered with and are only accessible by authorized users. The Gaussian blur technique further enhances the privacy of the photos, making them less recognizable to anyone who might try to access them without authorization. The Photochain framework leverages the decentralized and immutable nature of blockchain technology to ensure that users have control over their photos and can share them securely without the risk of unauthorized access, infringement of privacy, or theft. The use of smart contracts enables automated and secure photo sharing while maintaining the privacy of users. The proposed Photochain framework also provides a user-friendly interface that allows users to easily manage and control their photos while maintaining full ownership of their data. Additionally, the framework enables the seamless transfer of photos across social media platforms, simplifying the photo-sharing process for users. Thus, the blockchain-based secure photo sharing framework has the potential to transform the way people share personal photos online, providing a more secure and efficient method of sharing personal photos across social networks. The framework can be further enhanced and expanded to address the emerging needs and challenges of photo sharing in the rapidly evolving digital landscape.

9.2 Future enhancement

There are several areas where Photochain can be enhanced and improved for better performance and user experience. Some of the potential future enhancements for Photochain include:

1. **Integration with more social media platforms**: Currently, Photochain is designed to work with a limited number of social media platforms. Future enhancements can include expanding the framework to integrate with more social media platforms, making it more accessible to a wider range of users.

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This is to certificate that the project entitled "**CRM FOR INTERNET SERVICE PROVIDER**". Submitted in partial fulfillment of the award of degree of computer application under my Guidance is a bonafide work done by **Mr.S.MAHENDRAN Register No: 43220U09008**

Head of the Department

Faculty Guide

Submitted For the Viva-Voce Examination Held On 09-05-23

INTERNAL EXAMINER

EXTERNAL EXAMINER

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ABSTRACT

This project entitled as "CRM FOR INTERNET SERVICE PROVIDER". The internet customers and complaint system for customers for raising complaints on the issues related to ISP provider and provide best customer care service for users using this web page. There are many Internet security providers in a country that will provide internet services for users on different packages. Basically ISP works on three connections. Dial Up using telephone service, Broad band and wireless connections. All the complaint details will be displayed to the admin as well as employee to enter the complaint resolution. Employee can login using valid id and password which is provided by the admin. After login, employee can view all the unsolved complaints received from the customers. After resolving the complaint, employee can update the provided resolution and close the complaint. In the project a round robin system as add and the (rrs) was play import function.

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11. CONCLUSION AND FUTURE ENHANCEMENT

11.1 CONCLUSION

E CRM can be cost effective for both small and large companies in terms of large customer coverage and reduced use of human and physical resources. It can also be said that e-CRM alone is insufficient in managing customer relation because if we want to make e erm effective then we have to collect sufficient potential data and we have to take effective further decisions along with CRM.

11.2 FUTURE ENHANCEMENT

CRM analytics, also known as customer analytics, offer insight into customer data. This data is important because it can help you make better decisions about the types of products, services, marketing and overall communications you distribute to your customers. . Following are the Enhancements to the website .

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RESTAURANT MANGEMENT SYSTEM
PROJECT REPORT

Submitted by

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ABSTRACT

The aim of this project is to develop an online restaurant management system which is easily accessible to the customers. We propose to build a software project that can efficiently handle and manage various activities of a restaurant and all these activities will be happening under the supervision of the administrator. The main objective is to design a Restaurant table booking and managing system effectively. The businesses in restaurants are now growing constantly. At the same time, the need for managing its operations and tasks arises. The best way to optimize these activities is growing the business online as well. Today's generation encourages high-tech services especially over the Internet. Hence the project is developed proficiently to help restaurant owners automate their business operations. This project serves the best way of maintaining customer's information and caters their needs.

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10. CONCLUSION AND FUTURE ENHANCEMENT

10.1 CONCLUSION

A restaurant management system is an essential tool for any restaurant owner or manager who wants to efficiently manage their business operations and increase profitability. By leveraging technology such as point-of-sale systems, inventory management software, and online ordering platforms, restaurant owners and managers can streamline their processes, track sales and expenses, and make data-driven decisions to improve their business.

10.2 FUTURE ENHANCEMENT

There are several ways that a restaurant management system can be enhanced in the future to further improve the efficiency and effectiveness of restaurant operations. One potential area of improvement is the integration of artificial intelligence (AI) and machine learning (ML) algorithms into the system. AI and ML can be used to automate repetitive tasks, such as inventory management and menu planning, and provide predictive insights based on data analysis.

Another area for improvement is the integration of mobile technologies, such as mobile ordering and payment systems. With more and more customers using mobile devices to order food and make payments, integrating these technologies into the restaurant management system can provide a seamless customer experience and improve overall efficiency.

In addition, future enhancements could also include the integration of virtual reality (VR) and augmented reality (AR) technologies to enhance the customer experience. For example, customers could use VR or AR to view a virtual menu or take a virtual tour of the restauran before making a reservation.

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SORTING ALOGRITHM VISUALIZER

PROJECT REPORT

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2. ABSTRACT

In the present work we tried to develop a Sorting Visualizer using the technologies like HTML, CSS and JAVASCRIPT. Sorting Visualizer will be displaying the working mechanism of various sorting algorithms like, Bubble Sort, Selection Sort, Insertion Sort, Quick Sort, Heap Sort and Merge Sort. The main objective of developing this Visualizer is to make a learner comfortable in learning these techniques quickly and easily. We know the sorting algorithms are the most widely used algorithms in many applications including Discrete event simulation, Operating Systems, real time systems and many other as well. In the general case the efficiency of an application depends on the efficiency of sorting algorithm used. The only limitation of the Sorting Visualizer is that we should have graphic cards in the general purpose computer. But often we fail to understand the core idea of a particular algorithm maybe because we are unable to visualize how they work. So the most important thing to understand about these algorithms is visualization.

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10.CONCLUSION

The best way to go about using the tool is to first select the ordering ofthe data and select which algorithm to visualize. When any one of

The algorithm buttons are selected, it will sort the data as it appears on the interface. The ordering takes precedence, as selecting the ordering after the algorithm updates the interface momentarily, while the code has already run the initialization with the previous data set. After conducting the surveys, this sparked some confusion as the algorithm buttons are listed above the ordering buttons in the interface. One student commented on having difficulty trying to start sorting, thinking that it may be the cause of pressing the buttons in the wrong order, which in turn did not run the animation. The responses of all the students can be found in Appendix D. Overall, there was not a significant advantage in using my animation tool to help learning about sorting algorithms. By looking at the student responses for question 3, which asked if their understanding of a particular algorithm changed after using the tool, 5 of the 13 students (38%) said yes in some way. The other 7 did not find it very helpful, even though most appreciated

The idea of the tool. One student, however, gave a false positive to the tool being helpful (whom I did not include in the 5 that said it was helpful). A drawback to the animation is that it only shows the movements without the comparisons that lead to the movements of the data. This student saw how Selection Sort completes quickly compared to the other algorithms, as there are O(n) swaps that take place, which is beneficial in avoiding unnecessary data moves the computer needs to make. In contrast, the process of comparing the data results in a O(n2) runtime (the slowest overall). Another student noted this discrepancy in response to question 5 that asked for comments and feedback, noting that Merge Sort is the best of the four sorts. Merge Sort has an average runtime of O(n log2 n), which is the best average runtime out there. One way to resolve this would be to integrate visualizing the comparisons as well as the movements. This way, the bars would change color when an algorithm is comparing data, taking up more time in the animation. Selection Sort and Bubble sort use the most comparisons, so their time to complete would slow down and be more appropriate compared to the other algorithms.

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PAYROLL MANAGEMENT SYSTEM

PROJECT REPORT

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ABSTRACT

In this project title is "PAYROLL TRACKING SYSTEM" a web app. It tracking more vacation will reduce wages. They can also give permission to take leave. A admin can reject the user registration during the user logout creating a pay slip and its distribution. Calculating payroll deduction and logging employee information, time tracking information, employee self service, no paper work, flexibility, real time tracking, cost of effective.

In the manual system it is difficult to maintain data and generating different reports according to requesting transaction. In the present system it is becoming difficult to issue pay slip for all the employee every month by manually going through the various records of the organization.

For example the manager have to go through all the records of the organization of various department of the and find out the employee working in a particular department and go through his grade, and he have to check the employee of that month, his earning and his deductions along with his and all other deduction including his IT and saving. So to perform all these activates it is becoming difficult the admin manager every month.

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CONCLUSION & FUTURE ENHANCEMENT

This project is built keeping in mind that it is to be used by only one user that is the admin. It is built for use in small scale organization where the number of employees is limited. According to the requested requirement the admin can add, manipulate, update and delete all employee data in his organization. The admin can add new departments and delete them. The Admin can also add predefined pay grades for the employees. The required records can be easily viewed by the admin anytime time he wants in an instant. The payment of the employee is based on monthly basis. Numerous validations implemented would enable the admin to enter accurate data. The main objective of this framework is to save time, make the system cost effective and management records efficiently.

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ONLINE DOCTOR SEARCHING PORTAL

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ABSTRACT

This project entitle as "ONLINE DOCTOR SEARCHING PORTAL". The application will provide an interface through which doctors can post detail of their available free time. The user can enter the current location for searching doctor. This information will then be visible on the website. Unregistered users can search the doctor and see details of available appointment time. In order to book an appointment with a doctor, the user first registers as a patient. One patient cannot book two or more appointments with the same doctor on a particular date. Two or more patients cannot reserve the same appointment time with a particular doctor on a particular date. Patients and doctors can view the upcoming and previous appointment details. The module is designed to help urgent.

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11. CONCLUSION

During extended interviews with Patient and doctor at Sis Clinic, we found different processes leading to the successful development and deployment of portals. The portal doesn't have to be expensive. It should support multiple campus goals. It is clear that the functionality of a portal developed over time.

The basic requirement of the patient to search the dctor is effectively fulfilled. He/ She can search the doctor on the basic of city and specialty very easily.

Doctors can register themselves very easily by just entering few details about themselves. There is a discussion board between the doctors and the registered patients.

Administrator which is the most authoritative entry of this project can manage all the functionalities of the project very effectively and easily. He/ She can also upload the daily notification that has to be displayed on the homepage.

In future we will add more and more features like refer a friend, mail service on it. This portal can be used by any doctors Clinic or hospitals.

SCOPE OF FUTURE ENHANCEMENT

There is always a room for improvement in any software package, however efficient it may be. But the important thing is that the system should be flexible enough for future modifications. This system has been developed in such a way that the modifications can always be incorporated without affecting the other modules, as the modules have been kept independent of each other.

- Provide a facility of Emails through our website
- Provide the facility for SMS Integration.
- Provide Health Card generation for the patients
- Provide downloading facility of other software.

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