

AWT PROJECT

On

**WEBSITE OF UNIVERSITY MANAGEMENT SYSTEM**

Submitted By:

Name Enrollment Number

**Ankit Senjaliya 19BT04046**

**Sagar Vakani 19BT04058**

**Nikunj Sanghani 19BT04044**

IN

COMPUTER SCIENCE AND ENGINEERING

Guided by:

Ms. Pooja Shah

School of Technology

* Our Project Is Based On University Management And Also Library Management And Hostel Management Are Also Included In This Project.

**INTRODUCTION**

UNIVERSITY MANAGEMENT SYSTEM

* The University Management System is developed to override the problems prevailing in the practicing manual system, this software is supported to eliminate and some cases reduce the hardships faced by this existing system. Moreover, this system is designed for the particular need of the company to carry out operations in a smooth and effective manner.
* The Application is reduced as much as possible to avoid errors while entering the data. It also provides error message while entering invalid data. No formal knowledge is needed for the user to use this system. Thus, by this all it proves it is user-friendly. University Management System, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus, it will help organization in better utilization of resources.
* Every Organization/University, whether big or small, has challenges to overcome and managing the information of Student, Faculty, Registrations, Course, Subject, Fees at the management level. This is designed to assist in strategic planning and will help you ensure that your organization is equipped with the right level of information and details for your future goals.

* Also, for those busy executives who are always on the go, our systems come with remote access features, which will allow you to manage your workforce anytime, at all times. These systems will ultimately allow you to better manage resources.

HOSTEL MANAGEMENT SYSTEM

* This Hostel Management System is developed in favor of the hostel management team which helps them to save the records of the students about their rooms and other things. It helps them from the manual work from which it is very difficult to find the record of the students and the information about those ones who had left the hostel years before.
* This solution is developed on the plight of the hostel management team, through this they cannot require so efficient person to handle and manage the affairs of the students in the hostel, all you need to do is to login as administrator and you can see the information of all the students who have obtained and registered their hostel form, click verify to ascertain their eligibility and allocate them to the available hostel.
* Identification of the problems of the existing hostel management leads to the development of computerized solution that will be compatible to the existing hostel management with the solution which is more users friendly and more GUI oriented. We can improve the efficiency of the hostel management, thus overcome the drawbacks of the existing management.

LIBRARY MANAGEMENT SYSTEM

* A library is a place where a huge collection of books and resources are available which can be accessible by the users. It acts as a brain for the institutions. It enhances the dissemination of knowledge and spiritual civilization among the students. The tons of books and research works are captivating the students to improvise their knowledge in all perspectives. It guides the students to promote their views differently.
* This knowledge optimizes the student to achieve a better result in academic as well as personal skill development. Improvisation in technology causes the demand for developing a way to enhance the traditional library set up to digital one. Numerous tedious processes reduce the efficiency of the library. For example, it always needs manual support to do any activities in the traditional library.
* The count and details of books are scribbled in the paper for reference. Each data is fetched in the notebook for future citations. To examine any data then they have to refer the notebooks. At the same time while distributing the books to the students they have to enter into the notebook where they need to represent the book id, distribution and renewal date, and student id.
* The librarians/staff have to assign a tag for each book and provide an id for it. They have to align and arrange the books on the shelves and marked it. Missing or theft of the book builds a serious issue and confusion to the librarians. While collecting the book from the students they have to verify the penalties of the books. Therefore, it causes a monotonous among the staff. Consequently, it builds an uninteresting among the student due to the slow progress of the staff. To evoke the library into the technological era, we presented a system called the Library Management System. It is an automatic system that reduces the work burden of the staff/librarians through a single click.

**BENEFITS**

UNIVERSITY MANAGEMENT SYSTEM

* A good university management system ensures improved academic delivery, working efficiency and better student achievements. It provides several benefits for candidates, staff and the organization. As the education landscape is experiencing a steady change, it has become essential for Universities to use an innovative university management system to overcome present and future issues.

1. Improved Transparency :-

* There are various Universities which have suffered due to lack on non-transparent processes in Result processing or Procurement. University Management System implementation helps change this.

1. Improved Efficiency :-

* Due to faster processes and central data repository the management will experience a significant rise in the efficiency on all dimensions.

1. Improved Accountability :-

* Manual tasks are hard to control and mistakes in such processes difficult to find. This system will bring all the jobs under an accountable umbrella.

1. Simple to Accumulate Information :-

* Gathering of information about different departments inside a university regularly turns out to be very difficult. With a university management system, the administration will have the capacity to assemble, process, comprehend and record information faster at any time.

1. Improved Level of Comfort :-

* University is essentially meant for students, who regularly think that its extreme to convey and communicate things with the management. The university management system helps to build a platform for integrating all stakeholders like faculty, management and students.

HOSTEL MANAGEMENT SYSTEM

* Managing a hostel is a tedious task that needs a lot of supervision and can be time consuming. The hostel management system is a dynamic as well as practical approach as it makes managing the boarding and other related facilities a lot easier.
* An online hostel management system ensures that record management and flawless execution of administrative tasks such as managing hostel applications, registration forms, allotment of rooms, fees management, mess payment management, disciplinary issues and easy communication with students and parents.
* The hostel administration team can access all the hostel data and manage the workflow from their device at all times - ensuring that updates are made in real time and notifications to parents can also be sent in real time.
* One of the key benefits of a hostel management system is that it reduces the burden on the administration staff an simplifies roles and responsibilities as most of the manual tasks and mundane paperwork can be done through the online system.
* Another important benefit of implementing such a system is that it brings in the transparency in the entire management which helps to develop a trust between the students and the management.
* The Benefits of Hostel Management System
* It is less time and effort consuming
* It makes the process of updating the data is fast
* It automates mundane tasks
* It secures the data of the students
* It reduces the manual work of management
* It enhances the reputation of the educational institute

LIBRARY MANAGEMENT SYSTEM

* Among all the people in the schools who help to run it successfully on a daily basis, the most important among them are the librarians. Their work helps in keeping books as well as other educational materials nicely organized that makes it simple for teachers and students to find the correct content at the right time and boost their education. No matter whether it is literature, new media content or video you are looking for, the good librarian will help you to find it.

1. Up - To - Date :-

* This keeps details of the books, magazines or other materials available in the library as per their categories. The addition or removal of the books is simple as the software updates the records in one fraction.

1. Student Involvement :-

* The students can login & browse through the different books present in the library, it is one simple searching option and leads to more student engagement in the library.

1. Record Maintenance :-

* The borrower details will be stored & maintained, and due return date is set based on the categories and fine calculation begins when due date gets skipped.

1. Web Interface :-

* School library is accessible to the students since they have access to the web interface by which they can easily check out the borrowing history, apply for the renewal, due dates, and view fine. It develops the better weather in the school because students feel highly connected with the information being accessible to them.

1. Progressive :-

* Library & book management of the school goes online that proves as the step towards the academic growth that leads to the school development.

**HARDWARE REQUIREMENTS AND SOFTWARE REQUIREMENTS**

HARDWARE REQUIREMENTS

* Hard Disk :- 500 GB
* RAM :- 8 GB
* System :- Intel Core I3 Processor.
* Monitor :- Standard LED Monitor.
* Input Devices :- Keyboard

SOFTWARE REQUIREMENTS

* Operating System :- Windows 10
* Languages :- php
* Technologies :- Visual studio code
* Data Base :- My SQL