

Online College Management System

Navneet Motghare, Shivani Wanjari Snehal Ghorle , Shweta Bhad

navneetmotghare398@gmail.com shivanicwanjari@gmail.com snehalghorle18@gmail.com
shwetabhad90@gmail.com

Computer Science And Engineering GNIET ,Dahegaon Rashtrasant Tukdoji Maharaj Nagpur University
Nagpur,India

Project Guide :- Akhilesh Thool Computer Science And Engineering GNIET, Dahegaon Rashtrasant Tukdoji
Maharaj Nagpur University Nagpur, India

Abstract— Online College Management system (OCMS) provides a single interface for maintenance of student's information. It can be used by educational institutes or colleges to maintain the records of students easily. The creation and management accurate, up to date information regarding a student's academic career is critically important in the university as well as colleges. Student information system deals with all \kind of student details, academic related reports, college details, course details, batch details, placement details and other resource related details too. It will also have faculty details, batch execution details, student's details in all aspects, the various academic notifications to the staff and student update by the college administration. It also facilitate us explore all the activities happening in the college, Different reports and Queries can be generated based on vast options related to students, batch, course, faculty, exams, semesters, certification and even for the entire college. The placement officer is responsible for updating the placement related information like eligible criteria for the particular company arriving date for the company which is coming for recruitment, the list of students who are eligible for attending the recruitment process. E-library (also referred to as digital library) is a special library with a focused collection of digital object. The design and implementation of a comprehensive Online College Management System and user interface is to be replacing the current paper records. College Staff are able to direct access all aspects of a student's academic progress through a secure, online interface embedded in the college's website.

Keywords: Mobile-friendly, Usability, E-library, User-friendliness, System validation, User authentication

I. Introduction

The design and implementation of comprehensive Online College Management System and user interface is to replace the current paper records. College staff are able to directly access all aspects of a students academic progress through a secure, online interface embedded in the colleges website. The system utilizes user authentication, displaying only information necessary for an individual's duties. Additionally, each sub-system has authentication allowing authorized users to create or update information in that subsystem. All data is thoroughly reviewed and validated on the server before actual record alteration occurs. In addition to staff user interface, the system plans for student user interface, allowing user to access information and submit request online thus reducing processing time. All data is stored securely on SQL servers managed by the college administrator and ensure highest possible level of security. The system features the complex logging system to track all users' access and ensure conformity to data access guidelines and is expected to increase the efficiency of colleges record management thereby decreasing the work hours needed to access and deliver student records to users.

II. Literature Review

Jadhav Snehal Balasaheb, Supekar Bhagyashri Sitaram, Vasaikar Nikita Ashok, Web Based College Admission System: This paper presents web enabled software designed to manage the entire operation of an institution.

Lalit Mohan Joshi Student Management System: This paper is aimed to developing an Online College Management System(CMS) that is importance to either an educational institutional or a colleges.

Kartiki Datarkar, Neha Hajare, Nidhi Fulzele Automated Online College Admission Management System: This paper is software developed to work on web platform to manage the complete admission procedures of various departments of an institution like Finance section administration, Student section and many more sections.

Omkar Tiware, Prof.Kirti Rajadnya, Siddhesh Shinde College Activity Management System: This paper will work on college area network. Under this College Activity Management System Project, it will include all the departments which come to a particular college.

Jogamohan Medak, Partha Pratim Gogo Design Development of University Admission Management System: This paper will help to make the admission process much easier. This is a web based program aimed to make easier more convenient way for the admission process in educational institutes.

III. Implementation

The main objectives of this system is to main- tain the students details, manage the details of college, course, batch, student performance, generate a fees receipt, staff attendance, staff records, hostel register(for boys), library, man- agement. For the students those are unable to come regularly will be provided video lecture to them. Providing the online interface for students, faculty etc. Increasing the efficiency of college record management. Decrease time required to access and deliver student records. To make the system more secure

IV. Proposed Method

Data Flow Diagram:

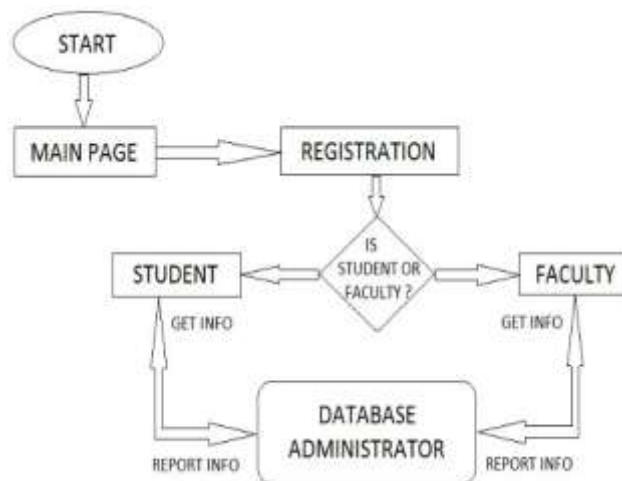


Fig: Data Flow Diagram

V. System Specification

I. Hardware Specification :

- ✓ Processor - Pentium –IV
- ✓ Speed - 1.1 GHz
- ✓ RAM - 256 MB(min)
- ✓ Hard Disk - 20 GB
- ✓ Key Board - Standard keyboard
- ✓ Mouse - Two or three button mouse
- ✓ Monitor - SVGA

II. Software Specification :

- Programming Languages - HTML5, CSS3, JAVASCRIPT, JQUERY, PHP, CMS(WORDPRESS)
- ✓ Databases: - MySQL, MS-EXCEL

VI. Modules & Their Working

1. AUTHENTICATION MODULE

1.1 REGISTRATION

This is the first module of the system. Any user who wishes to use the system should first register to obtain username and password. This module will collect complete information of the user by prompting the user as to what details needs to be entered. The user will need to speak up the details to which the system will again confirm by prompting alphabetically. If the information is not correct user can re-enter else the prompt will specify the operation to be performed to confirm.

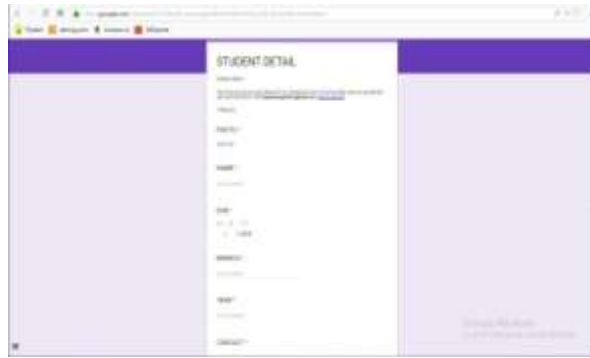


Fig.1.1 Registration

1.2 LOGIN:

Once the registration is done the user can login to the system. This module will ask the user to provide the username and password. This will be accepted and user will be told to validate whether the details are entered correctly or not. Once the entry is done correctly database will be checked for entry. If the user is authorized it will be directed to homepage.



Fig 1.2 Login

2. FORGOT PASSWORD:

In case where an authorized user forgets the password and thus is not able to login he/she can select forgot password module. In this module the user will be first told to enter n username. According to username the security question will be searched in database. This is the question provided at time of registration. The question will be spoken out by the computer. The user should in turn specify the answer that was provided by him/her during registration. If both get matched, user is given option to change password.

3. HOME PAGE:

The user is redirected to this page once log in done successfully. From this page now the user can perform operations that the user wishes to perform. The options available system at any time the user wants to.



2. TRAINING AND PLACEMENTS:

The Training & Placement cell is headed by the T & P Officer assisted by a representative each from the various departments. The following activities are organized by the T & P cell: Campus recruitment, Industrial Training, Industrial Tours, Arrangement of project work at industries, interaction with industries,

Entrepreneurship Development & apprenticeship training. At GNIET, prominence is given on preparing the students for the real life corporate world. We plan to have many unique programmers that test the mental and physical agility of the students. Special sessions are held on soft skills training, etiquettes, negotiation skills and effective communication to help the students in personal grooming.



VII. Conclusion

In this Project assists in automating the existing manual system. This is a paperless work. It can be monitored and controlled remotely. It reduced the manpower required. It provides accurate information always, malpractices can be reduced.

All years together gathered information can be saved and can be accessed at any time. The data which is stored in the repository helps in taking intelligent decision by the management. So it is better to have Web based information management system. All the stakeholders, faculty and management can get the required information without delay. This system is essential in the college, hostels, and universities.

VIII. Future Scope

Online examination module would be introduced to conduct examination.

Further, the faculty can upload the videos of their lecture on this side and students who had missed those classes can be view those videos

References

- [1]. Jadhav Snehal Balasaheb, Supekar Bhagyashri Sitaram, Vasaikar Nikita Ashok, "Web Based College Admission System" International Journal of Engineering Development & Research(IJEDR) Vol_03 8th june 2014.
- [2]. Lalit Mohan Joshi "Student Management System" International Research Journal pof Computer Science(IRJCS) Vol_05 04th may 2017.
- [3]. Kartiki Datarkar, Neha hajare, Nidhi Fulzele "Automated Online College Admission Mangement System" International Journal of Computer Science Trends & Technology(IJCST) Vol_05 3rd may-june 2017.
- [4]. Omkar Tiware, Prof. Kirti Rajadnya, Siddhesh Shinde, "College Activity management System" International Research Journal Engineering & Technology(IRJET) Vol_05 3rd march 2018.
- [5]. Jagmohan Medak, Partha Pratim Gogo "Design & Development of University Admission Management System" Orientation Journal of Computer Science & Technology(OJCST) ISSN 0974-6471 Vol_11 5th march 2018.