



Online College Portal

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Abstract: Living in modern world and not using digitalization not a better way, using modern technology and internet for reducing work and increasing efficiency is a way to digital country and using technology helps in having a smart work process so to implement this in college an Online College Portal is designed to implement digitalization and reducing work of college staff/faculty like calculating percentage of attendance and marks, providing time-table, keeping records in files for years is reduced by this system and to overcome the problems caused by human error and wastage of time doing all process manually. Online examination system is a web-based examination system where examinations are given online. Either through the internet or intranet using computer system. The main goal of this online examination system is to effectively evaluate the student thoroughly through a totally automated system that not only reduce the required time but also obtain fast and accurate results. The main objective of our software is to efficiently evaluate the candidate thoroughly through a fully automated system there is no need of paper and pen. The user can write exam without going to the exam center. Also, the website will provide a good.

Key Word: digitalization, efficiency, technology

I. INTRODUCTION

In this study, both quantitative and qualitative approaches will be used. The design phase was studied by examining documents and researching existing systems for clarity and verification of facts to be collected that are going to be adhered in our system. This project is an online portal between students, parents and faculty. This innovative system allows college faculty to share important data as well as notifications with engineering/non-engineering students. It consists of a faculty login along with student login & parent login. Since college faculties operate through pc and document uploading is simpler through a pc, the faculty login is to be performed using a computer. Faculty may upload their documents of respected subject syllabus, timetable document, notifications, e-notes, attendance etc. through their assigned login. The documents are uploaded by faculties of department to different corresponding departments.

The main purpose to build this system on an online server that allows faculty to upload data & students may view/search and download the required documents through their computer device. Here students only see and download data of their particular semester/year/class. Rest of data is hidden. Faculty may access and upload/edit documents to any semester/year/class or add any notice as their desired. This system, in addition to lessening the work load on the institute, it also fixes any false data about the users that the institution may have. It is a benefit for the users' whose important time and energy is preserved, for the affected educational college's authority whose workload is immensely reduced, whose services are secured from misuse. The system is designed using modern system architecture to cope with changing requirements. This system should encompass very solid information coding and distinctly outlined business applications. The overview of system elaborates the ease of information delivery at the tip of your fingers with precise data and increases the retention rate of student and teaches them how to manage their time efficiently.

II. LITERATURE SURVEY

SN	Paper	Advantages and Disadvantages
1.	Online College Portal, Jan -2017	<p>Methodology: The website will provide a way for parent student and faculty to communicate with each other in terms of marks, attendance of student that the respected parent need to know, online through website which is based on PHP programming.</p> <p>Advantages:</p> <ul style="list-style-type: none"> This project has a login page which allows to login only the registered user can login. This system can also be used to display the entire syllabus, updates details to the user. <p>Disadvantages:</p> <ul style="list-style-type: none"> It will not calculate the attendance for the teachers. It does not generate results for particular students giving the test

2.	College Department Management System, Feb-2018	<p>Methodology: The main objective is to develop a project which is an important step towards streamlining this effort is to develop a framework and identify necessary properties that a secure and trusted online department working system must satisfy to reduce discovery redundancy</p> <p>Advantages:</p> <ul style="list-style-type: none"> Admin have responsibility for storing student data, can activate link. Admin user is a root user; he is having complete control over the application. <p>Disadvantages:</p> <ul style="list-style-type: none"> There are no privileges granted to teachers module.
3.	Student Information Management System, 2018	<p>Methodology: It uses both quantitative and qualitative approaches will be used. The design phase was studied by examining documents and researching existing systems for clarity and verification of facts to be collected that are going to be adhered in our system.</p> <p>Advantages:</p> <ul style="list-style-type: none"> It has a different module for Placement Cell The security of the system is maintained very efficiently. <p>Disadvantages:</p> <ul style="list-style-type: none"> The implementation of this project is difficult as it a mixture of 5 modules. The system includes WN technology which may complicate the website.
4.	Student Information System, 2020	<p>Methodology: The Student Information System allows the students to upload their information, enroll to the courses and view the remarks given by their tutor. The system also allows parents to view the remarks on their child's progress given by the tutor.</p> <p>Advantages:</p> <ul style="list-style-type: none"> This system has a backup option from which the data can be backed up easily. This system has different functionalities based on the requirements. <p>Disadvantages:</p> <ul style="list-style-type: none"> The database design of the system is quite complicated.

III. PROPOSED SYSTEM

Procedure methodology

The system consists of three modules as admin module, student module and faculty module. Each module has a same login page that contain user id and password field, by entering value in that field the user should login to the system.

Each module is described below

- a. **LOGIN MODULE:** The purpose of this module is to provide entry to the portal. Based on the type of login, the user is provided with various facilities and functionalities. The main function of this module is to allow the user to use the portal. This module provides three types of login — Admin login, Student login and faculty login.
- b. **ADMINISTRATION MODULE:** In this module the administrator enters user name and password, which enables access to the administrator page. This page consists of four following sub modules.
 1. Dashboard
 2. Student Addition/Updating/Deletion: Each Student is added, updated or deleted according to his/her department.
 3. Teacher Addition/Updating/Deletion: Each Teacher is added, updated or deleted according to his/her department.
 4. Notice/Updates/Result Generation: On the portal, information about importance notice, timetable, attendance and Internal result is generated.
- c. **FACULTY MODULE:** In this module the faculty enters user name and password, which enables access to the faculty page. This page consists of nine following sub modules.
 1. Dashboard
 2. Student Information of his/her department.
 3. Uploading assignments, timetables, study material.
 4. Can generate question paper with automatic question paper generator.
 5. Notice/Updates Generation: On the portal, information about notice is generated.
 6. Participate in Discussion Forums
- d. **STUDENT MODULE:** Initially the student has to log into portal by filling up the registration form. Once the student's request is approved by the administrator, the student becomes a part of the portal.
 1. Dashboard
 2. Download assignments, timetables, study material, question paper.
 3. Can view the overall result sheet for particular semester as well as previous semester.
 4. Notice/Updates: On the portal, information about notice is generated.
 5. Participate in Discussion Forums.

The different specifications for the system are listed below:

- 1) Discussion Forum: A discussion forum is an online discussion board where student can ask questions, share their experiences, and discuss topics of interest. You can exchange ideas, ask questions, and leverage the expertise of other people in your college. Anyone can post a topic or respond to a topic in a forum, but user must be a college member to participate in a forum
- 2) Upload Files: Faculty can upload notes, assignment question, notices, time-table, question papers, syllabus and reference book also videos.
- 3) Download Files: Student can search and download notes, assignment question, notices, time-table, question papers, syllabus and reference book and videos. Student can also download their results and view their attendance.
- 4) Question paper generator: Teachers can generate Describe and MCQ type question paper.
- 5) Notice/Update: Admin and teachers can post/edit important notice and it can be view by all the registered users.

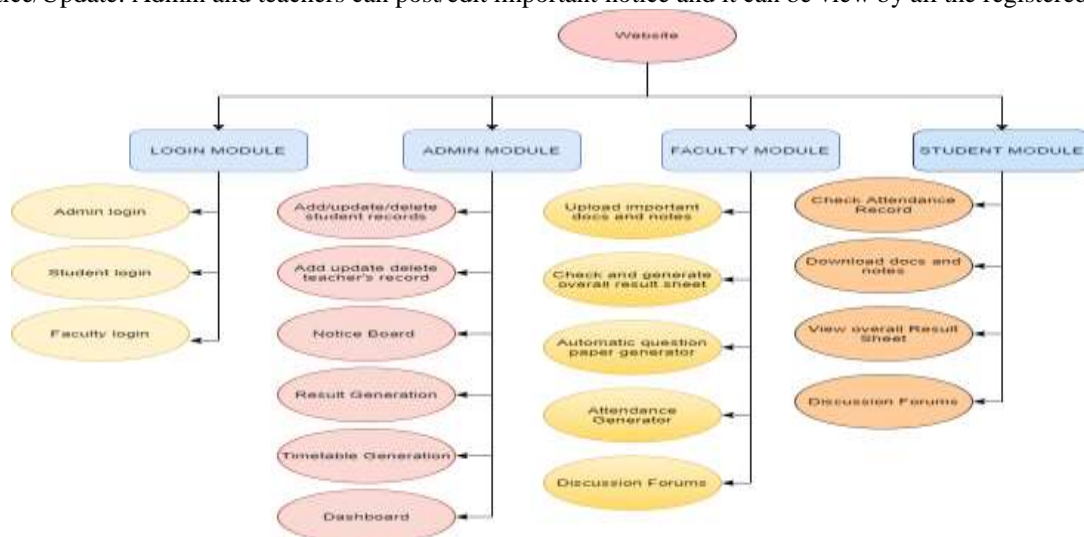
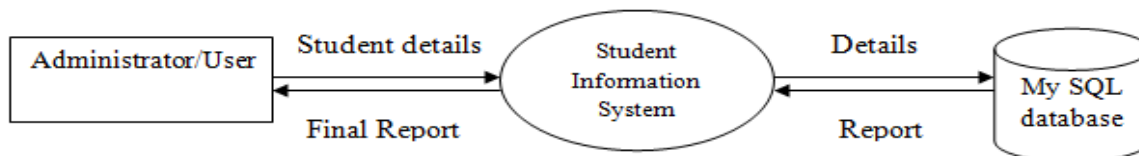


Fig1.1 Flow Diagram

Level0 DFD :



Level1 DFD:

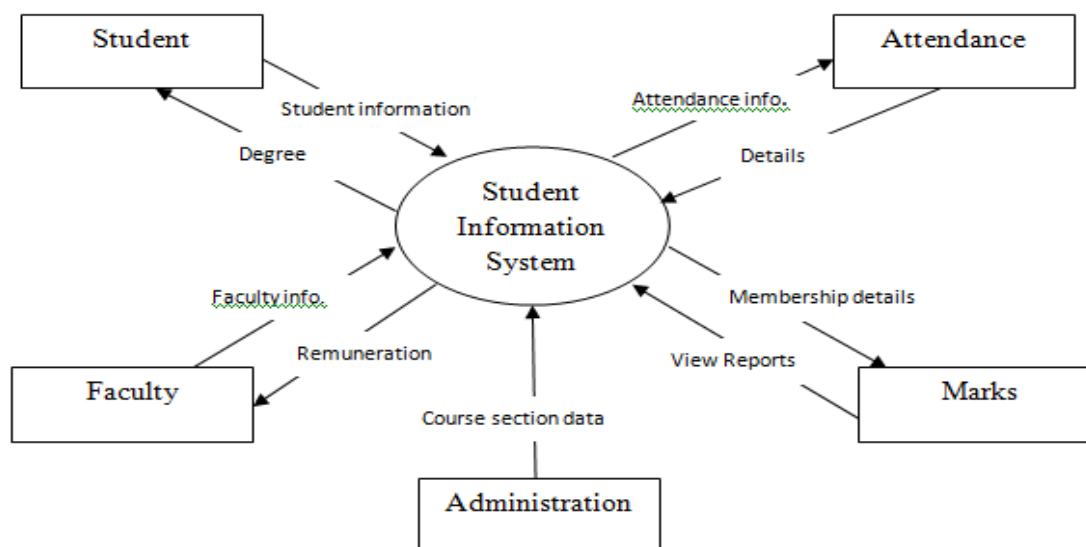


Fig 2.1 Data Flow Diagram

IV.RESULT

The system consists of three modules as admin module, student module and faculty module. Each module has a same login page that contain user id and password field, by entering value in that field the user should login to the system. Online College Portal is a web application which is mainly focused on one who are trying to learn known as students and the one who trying to teach a learner known as teachers. The members in this portal can exchange informations in different formats such as video, images, pdf etc. This application will be very useful for students to get updated to latest informations and to communicate with world wide learners. Project is to maximize access to the information resources required to improve existing teaching and learning practices in education and aims to establish a technologically aware society. Online College Portal's frontend is implemented by using HTML, CSS, JavaScript and backend uses PHP and MySQL. In this application PHP CodeIgniter architecture is used. CodeIgniter is an application development framework which is used to build interactive websites in PHP. Thus the use of CodeIgniter framework supports multilingual support, responsive interface, web installer, backup and restore facility. All these services are applicable to the application also because of the use of CodeIgniter framework.

V. CONCLUSION

This portal is used by the admin so there is no data leakage and it can be handled securely. Delivering such a software to the department it helps to take place task with ease and that's why it reduces time, money on manpower and efforts. we have event module through which students to get the notices of upcoming events. And students can provide feedback about happened events in the department. Students can select GS, LR, CR in the voting module. It is an open-source application so that others can edit and transform this system application according to their needs can be a future enhancement in project. It is always prudent to opt for a student information system that is designed using modern system architecture to cope with changing requirements. This system should encompass very solid information coding and distinctly outlined business applications. The overview of system elaborates the ease of information delivery at the tip of your fingers with precise data and increases the retention rate of student and teaches them how to manage their time efficiently. This system, in addition to lessening the work load on the institute, it also fixes any false data about the users that the institution may have. It is a benefit for the users' whose important time and energy is preserved, for the affected educational college's authority whose workload is immensely reduced, whose services are secured from misuse.

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