

Click Reports

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Abstract

This project is useful as it has an easy user interface. The system utilizes centralized database management system, data retrieval, data manipulation and data calculation. This project provides more ease for managing the data on college intranet centrally than manually maintaining it in documents. The project is useful for saving valuable time and reduces large amount of paper work and college money. Click reports will work on college network which is intranet offline web application. Under this system it will include all the departments which are in our college. It will have exam section, student department or branch for centralized storing, sorting and searching, printing of student results and generating various reports, so that the students, teacher, staff can get all the information by using their valid registration id and password. This system will also help the college administrator. Administrator will be able to get all the information regarding any faculty members and student. Admin panel will also be able to edit the login display panel of teachers, staff members, students etc. Admin can add a record, delete record and can give special permission. Teacher Admin can schedule classes and can get information of any students under their particular class. Teachers can also make query by using grade, percentage. For student section, they can get any information of any particular registered student.

Keywords: Centralized database, Management, Reports

I. INTRODUCTION

In any organization, college, school and office reports are very important to identify and analyze the profit and working progress of our organization as per our aim and objective.

The report is searched, calculated and sorted from the data which is helpful to represent the past progress of our work and helps us to take action of future design.

There are many tools and software available in the market which provide the facility of report generating but are not useful for our organization.

Now the next important thing is how to make the generated reports in our college, instead of the traditional way of generating reports of our college in department which is opening all files, folders, gadgets, search required information, then sort the important information and make doc. file. Computerized file then keep storing that file year by year. The traditional methods of report generating follows at all the levels of department in our college. The biggest problem of traditional report generating method is it is a very tedious task. It is very time consuming process of using hand written data then calculating the percentage, average and other things in exam department and also in other things in other departments then sorting, transferring into computer website backup. The complexity of the process also increases along with the increase in the number of students.

Looking for a feasible solution in the above mentioned problem of report generating system of our college, the proposed system presents a prototype which is having advantage of not only the traditional manual technique of making, generating reports, but also the latest software technology is available now a days along with forward compatibility parameter based sorting, generating reports and remove all the drawbacks of traditional manual system. This system will enhance the report generating software to a great extent. Report generating system using visual studio, web libraries, or mysql will effectively remove and reduce the load of preserving lots of log papers for making reports of college and students, having high probability of doing manual mistakes will be removed completely by the proposed system: Click Reports.

It is offline web application software which can uniquely identify each and every student in our college database. Identification is based on unique number or id.no. Not having more than one student with the same id. Click reports software is also very low cost and gives high real time practical solution to the problem of report generation management nowadays.

II. LITERATURE SURVEY

Students are required to stand in queues for collection and submission of forms. Both the staff and students have to fill scholarship form for every academic year of each and every individual student applying for scholarship. This requires lots of efforts by the staff and the students as no data is being retrieved from previously filled forms such as admission form or scholarship form submitted for previous year. Thus more time is being wasted in filling forms of individual students repeatedly. Every academic year hand filled forms can have spelling mistakes. Manual checking and correction maybe required. Thus the data of so many students will require managing old documents and a lot of printing work since the data is filled and submitted solely for scholarship purpose there is less data visibility. There is excess use of money for paper and printing. Sorting of certain data is done manually which again requires lot of time and efforts. The data which is sorted cannot be accumulated as it is in hard format. There is no notification given of whether the submitted form is approved or not. The student admission process is fully manual which requires students to collect admission form from the respective department and submit it along with the desired documents. These forms are stored and maintained in hardcopy. Admissions forms are required to be filled manually each year. The details to be filled in these forms are already stored in the department.

Present college software

- It does not help in scholarship section.
- MIS software does not help in actual admission process.
- MIS software does not help in exam section.
- MIS software does not fully help to the teachers.
- MIS software does not help student fully.
- MIS does not store data centrally.
- MIS software does not provide full sorting feature to staff.
- MIS software does not help to save paper work, paper price and printing cost.
- MIS software does not help to generate multiple Records & Reports.
- MIS software does not provide fees related help
- MIS software is less user-friendly.
- MIS software does not save full data.
- MIS software provides only limited Feature

III. BACKGROUND OVERVIEW



Fig. 1: System Overview

Software Development Life Cycle is a process used by software industry to design, develop and test high quality software. The SDLC aims to produce high quality software that meets or exceeds customer expectations, reaches completion within times and cost estimates.

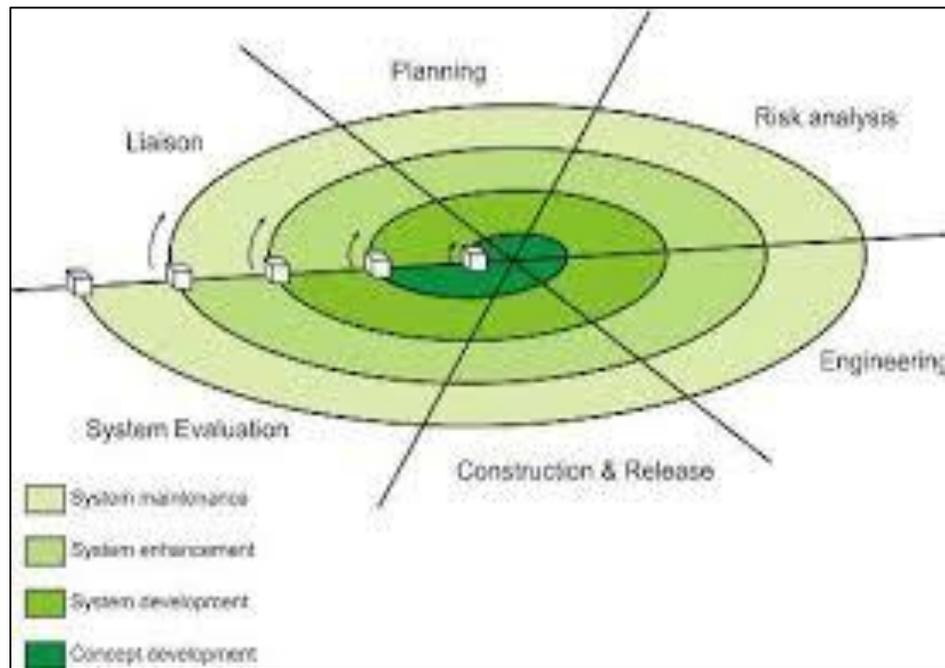


Fig. 2: Spiral Model design

The spiral model has four phases. A software project repeatedly passes through these phases in iterations called Spirals.

- Identification: This phase starts with gathering the business requirements in the baseline spiral. In the subsequent spirals as the product matures, identification of system requirements, subsystem requirements and unit requirements are all done in this phase.

This also includes understanding the system requirements by continuous communication between the customer and the system analyst. At the end of the spiral the product is deployed in the identified market.

- Design: Design phase starts with the conceptual design in the baseline spiral and involves architectural design, logical design of modules, physical product design and final design in the subsequent spirals.
- Construct or Build: Construct phase refers to production of the actual software product at every spiral. In the baseline spiral when the product is just thought of and the design is being developed a POC (Proof of Concept) is developed in this phase to get customer feedback.

Then in the subsequent spirals with higher clarity on requirements and design details a working model of the software called build is produced with a version number. These builds are sent to customer for feedback.

- Evaluation and Risk Analysis: Risk Analysis includes identifying, estimating, and monitoring technical feasibility and management risks, such as schedule slippage and cost overrun. After testing the build, at the end of first iteration, the customer evaluates the software and provides feedback.

IV. PROPOSED SYSTEM

Our system will remove the manual work of student, teacher and department staff. It also removes the interdependency of college department. Our college will remove the purpose of work load of the processes. Our system will reduce the data redundancy and work repetition of employees. Our system will provide more accuracy and preciseness in report generating. In our system teacher, student, department staff hold the separate password, ID etc. to access the web browser. It will follow the following steps. After registration the students will have to fill the online form which is visible in respective department only. Students can only view, fill access privileges assigned to them. Teachers have full data visibility of student academic details. Teachers have the facility to enter marks, update details, generate mark sheets, print report, view etc. Department staffs have full access as per department for generating reports. This staff can edit, update and assign the access privileges.

V. SCOPE AND APPLICATION

- Store the data in centralized database system.
- Secure and confidential data.
- Data will display and understandable.
- Easily get report & certificate.
- Does not do any calculation manually.

- Admission process less time consuming.
- Login & password to sign in in web offline application.
- Overcome the existing system look all marks not only credit of that subject.
- Checking the marks & easy to total and finding mistake.
- See result as per choice, semester.
- Result store in any type of file so increase accessibility of software.
- Because of that department the project will store all student details, personal details, bank details etc. will store.
- Student understand sanction fees by social justice
- Scholarship data store separately so the not need manual work.
- The accountant of student department verifies the form and find error or mistake in form.
- Save time of student to fill form.
- Reduce the efforts to collect form of student department.
- Admission process fast.
- Changes can easily made.
- Save the time of staff that they signing to all forms.
- Finding form from centralized user.
- Less money required because only fill the form offline within intranet.
- Less ink because does not any writing & manual work.
- Easily available to all students.
- Not any excuse of staff if not available any sign.
- Not required any manual work to go sign there any next authority.
- Stop suffering problem for queue and time save & money save.
- Reduces printed books & expenses, printing charges easy to print.
- Quick to print and not required any document submission.
- Teachers see the form is correct or not.
- No need to do manual work like sign of cashier, accountant, student section, staff etc.
- Save data in system and view data as per need.
- Sorting data of students distinguishing easy and fast.
- Teachers have privilege to read and write.
- Result making is easy and portable to all system.
- Easily understand and edit by centralized user.
- Marks separation and calculation easy.
- All data in one file.
- Enlist and sorting easy without knowing name and seat numbers.
- Store and accessing result flexible.
- Storing and retrieving data easy task.
- Reduces the effort of taking all the marks from all teachers.
- Display notice in homepage, not need any internet because offline web application.
- No loss of any type of data.
- Does not need any writing work for staff.
- Documentation not required.
- Time saving of staff.
- Easy to print.
- Not any manual calculation required.
- Easy to store.
- Printing will fast.
- Accurate and efficient.

VI. CONCLUSION

Current college department processes are fully manual. For uploading the data of a particular student the corresponding staff has to upload it manually. Therefore it has the probability of mistakes in entering and uploading the data manually. Also it takes the valuable time of the respective staff and faculty for uploading the student data. Since it is fully manual the current. The Click Reports web application removes all these problems and it also increases the accuracy of data, saves time and money . It removes the load of paper storing because the proposed system is fully automated and thereby effectively reduces the chances of mistakes in uploading the student data. Hence, the valuable time and efforts of the staff is saved.

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