



SOFTWARE PROJECT PROPOSAL

Prepared for:

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INTRODUCTION:

A system is a layered structure that represents how programs involved would interrelate and communicate. System can also refer to actual programs, programming interfaces, and tools for managing the larger system in computers. Online university management system combines multiple systems to construct a combined framework. This framework consists of multiple modules.

Basically, systems are designed to simplify complex manual processes, and that's exactly what we are trying to achieve. System is implemented according to the needs of the users. Now all the students related work such as course registration, examination (regular/backlog/improvement) entry form fill-up, Re-admission, Hall Admission, Attendance system, generating results, Apply for all Certificate/Transcript, Apply for Caution Money, Apply for Convocation, Apply for Student ID card, Apply for Library Card, Apply for institutional email), is done by students at university designated office. Students must move physically to the university campus to complete their desired task.

For the automation of these manual process, we sought assistance from computer programming. Computers can help us save time, protect our personal information, and allow us to access information whenever and wherever we need it. Keeping all these positive points in mind, we are going to create an Online university management System to simplify these manual procedure for students, teachers and others designated office at a university.

PROBLEM STATEMENT

The following are the problems that the current system has: -

- Students must move physically to the university campus to complete their desired task. So, they are unable to complete their desired task remotely.
- Students must bring all the from the register/designated office.
- They must fill up these form and submit it to designated official for approval.
- They need to make a payment at the bank physically, but there is a long line, so they will have to wait.
- Students take too much time in processing their desired task.
- Teacher take too much time to manually manage his/her task such as taking attendance, generating class test result, creating term final result, manage students etc.
- Department head takes much more time to handle all of his/her designated task manually such as manage teachers/students,/official staff, generating certificate etc.
- Hall have to handle more than thousands of student's activity manually which is more complex.

OBJECTIVE:

The current manual system faces a variety of challenges when it comes to manually maintaining student data. Currently, hard copy are kept by the designated official to verify student information. From students' point of view, they must fill the forms manually and then get them verified from concerned officials, which is a very time-consuming process. The goal of our project is to reduce the workload of all entities engaged in these manual process. The following are the objectives of the proposed web application system:

- i. To computerize student and faculty database.
- ii. To ensure data consistency and data integrity.
- iii. To reduce the paper driven aspects of the existing system.
- iv. To reduce administrative cost.
- v. To save time.
- vi. To automate all these process without any physical human interaction.
- vii. To make all the services available to students, teachers and others designated official from anywhere.

The achievement of the above objectives can assist the institution in effectively managing its resources. The automated method will save time and eliminate typical errors.

OUR PROPOSED SERVICES:



1. Course Registration

An online registration system was developed where a student can register himself. The registration form has been designed to be user friendly and easy to fill and hence leads to saving of time and money as compared to multiple forms filled manually by the students.

Students – Student's signup and login their profile. From their dashboard they'll apply for course registration. This application will then submit to their concerned Course Co-Ordinator, Chairman, Hall Provost and Registrar. After approval students will be able to make payment. After making payment they'll get a notification with success message.

Admin - Department head will upload course registration notification with date. The Course Coordinator, Hall Provost and Registrar will be responsible for managing this process.



2. Examination Entry Form Fill-up

Students – Student's signup and login their profile. From their dashboard they'll apply for Examination Form Fill-up. This application will then submit to their concerned Course Co-Ordinator, Chairman, Hall Provost and Registrar. After approval students will be able to make payment. After making payment they'll get a notification with success message and then they'll be able to see their admit card and download it.

Admin - Department head will upload examination (regular/backlog/improvement) notice with date. The Course Coordinator, Hall Provost and Registrar will be responsible for managing this process.



3. Attendance

The online attendance management software keeps track of student attendance over semester and generates data and reports for a large number of students. Students, faculty members, and admin can access the software based on their roles and responsibilities.

Students- They can get access to the attendance record, number of absent days with dates.

Admin- Admin makes sure that the system is working fine and offering high security and safety of the data generated every day.



4. Generating Result

The result processing system involves score calculation, rank-list generation and making individual marksheet.

Students- They can get access to the result sheet record, see their result with mark, grade and position.

Admin- Admin entry the students mark to the system and then the result will be generated automatically. Admin makes sure that the system is working fine and offering high security and safety of the data generated.



5. Certificate and Transcript

The Certificate and Transcript system involves Main/Provisional Certificate, Grade to Mark Conversion Certificate, Date of Result Publication Certificate, Medium of Instruction Certificate, Migration Certificate etc.

Students- Student's apply for the certificate which one he/she wants. Then this application will be submitted to the concerned official for approval. After making approval form the concern official he/she'll get a notification.

Admin- Admin verify the student's details information and making his/her certificate and also makes sure that the system is working fine and offering high security and safety of the data generated.

We'll provide other services such as Readmission, Hall Admission, Apply for caution money, convocation, student ID card and institutional email etc.

DEMO IMAGE OF STUDENTS AND ADMIN DASHBOARD

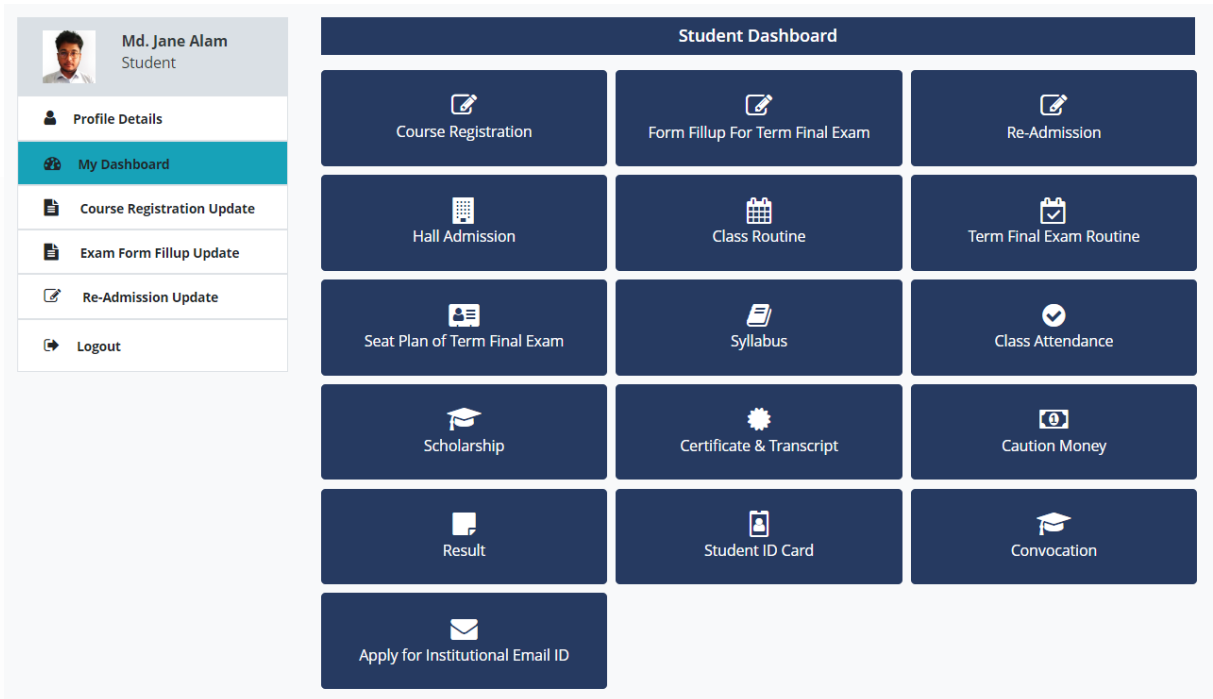


Figure: Student's Dashboard

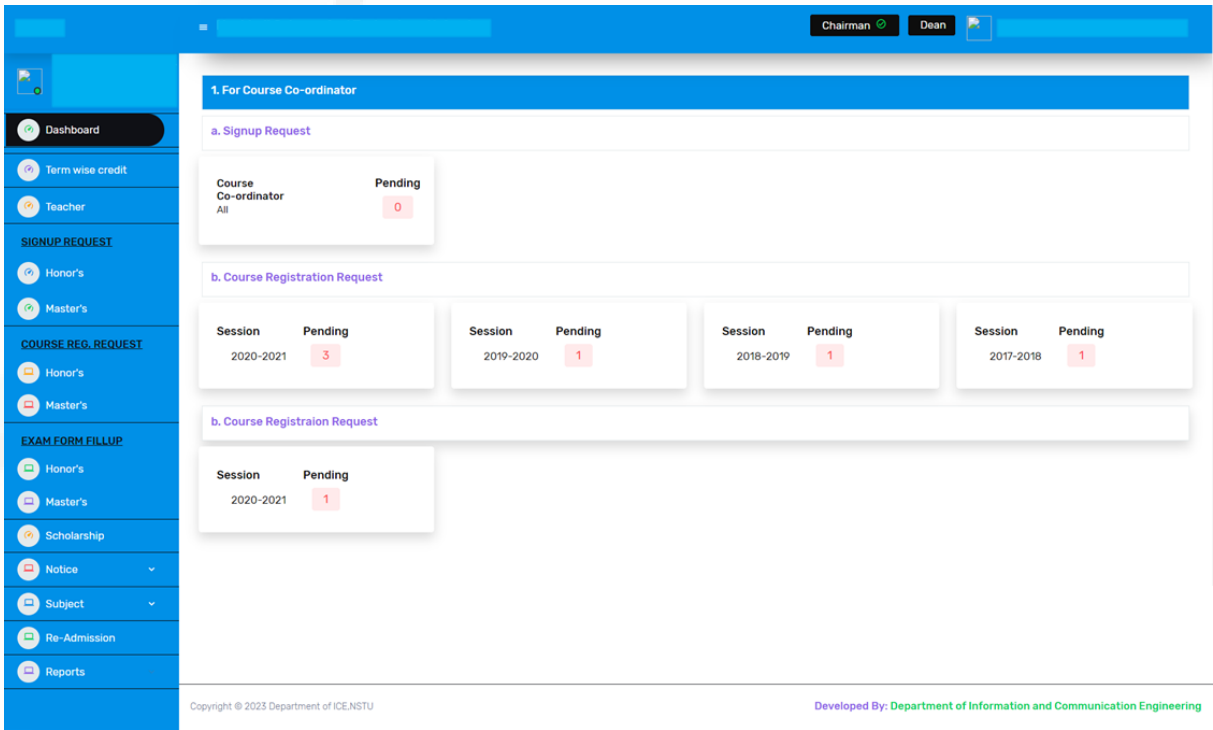


Figure: Admin Dashboard