

NSBM Course Enrollment System

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INTRODUCTION

This is a standalone system build using java language to enhance a course enrollment system for NSBM university. There are three faculties in the university and allow both undergraduate and postgraduate students to register on the system.

OBJECTIVES

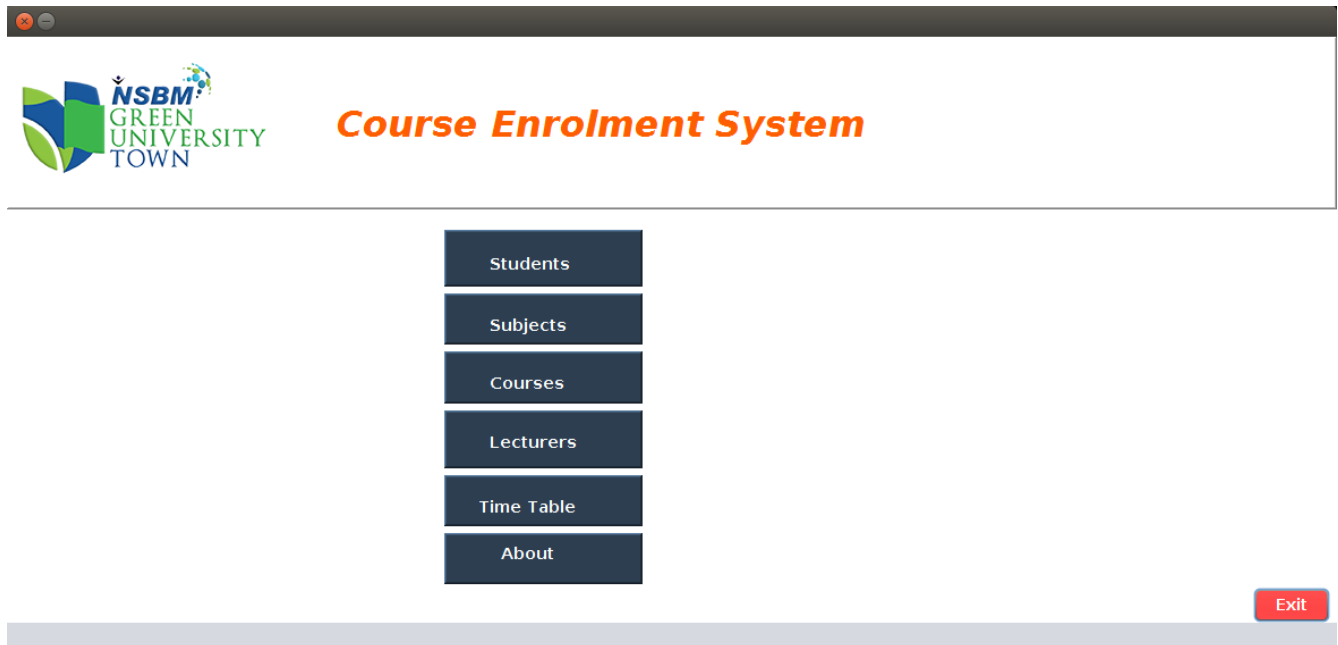
Create a system to keep all the records such as personal information, educational qualifications, payment details, assignment details of the students and maintain subject details through the system.

USED LIBRARIES,PLUG INS AND TOOLS

- 1.Netbeans
- 2.Xampp mysql server

*Netbeans and the server is connected by JDBC

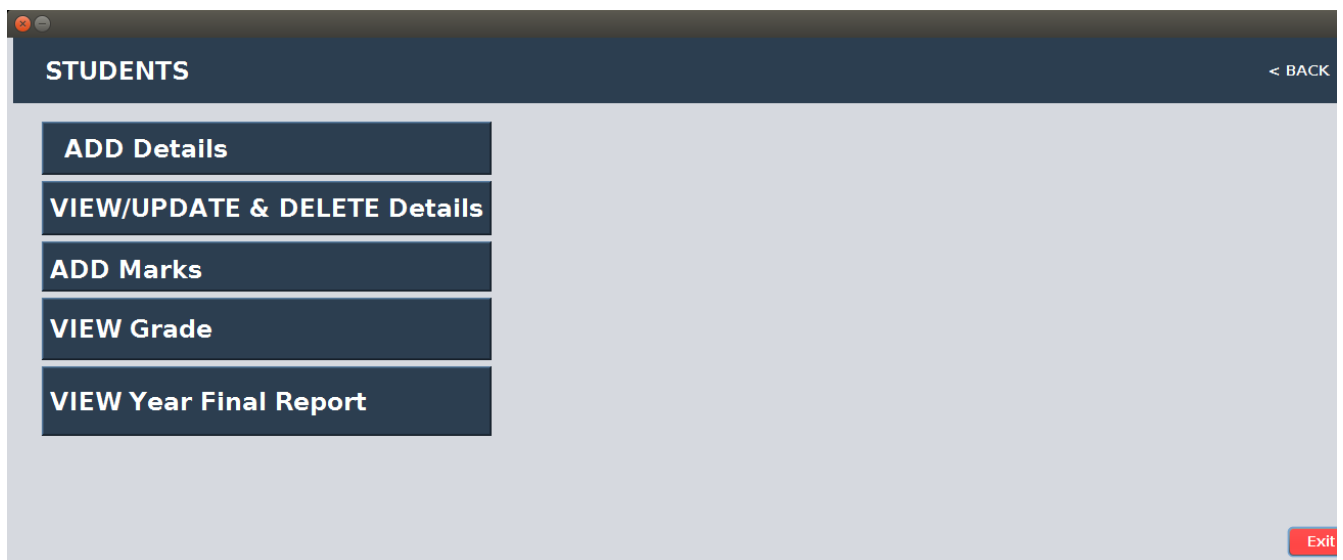
FUNCTIONALITIES AND INTERFACES



This is the home page of the system where there is 6 options admin can choose according to the necessity of the current situation.

- 1.Students :-Adding details of students,grades of students,year review etc.
- 2.Subjects :-Subjects included in each course category.
- 3.Courses :-Available courses and their primary details in each degree category.
- 4.Lecturers :-Adding,viewing,updating and deleting lecture details.
- 5.Time table :-Lecture schedules of each degree category.
- 6.About :-Basic explanation about the system.

First lets consider the “Students” option.



After clicking on the Students button it will guide you to the window which is shown above. And here it consists of 5 options.

- 1.Add details :-Adding primary details of a student.
- 2.View/update and delete details :-Can view,change or delete added details of students.
- 3.Add marks :-Adding marks of students in each faculty according to their enrolled courses.
- 4.View grade :-View grades of students according to their submitted marks.
- 5.View year final report :-Viewing the grades and comparisons and a summary of each students academic achievements in respective year.

Lets consider the add details button.

ADD Student Details < BACK

Stu_ID :

First Name :

Last Name :

BirthDay :

Address :

Mobile No :

Email :

Gender : ☐ Male ☐ Female

Faculty :

Course Type :

☐ I hereby confirm that above details are true.

Register

Exit

Add details button leads to the above window where the main purpose is registering a new student to a particular course. It requires some of the basic information of a student as shown above. And after entering the details a student must confirm that the given details are true and valid by ticking on the box which says “I hereby confirm that above details are true”. And after that he or she can be registered to a particular course by clicking on the register button.

VIEW/UPDATE & DELETE Student Details < BACK

Stu_id	FirstName	LastName	BirthDay	Address	MobileNo	Email	Gender	Faculty	Course_type	Year
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Year : Course Type :

Faculty :

To Delete, Select row & click

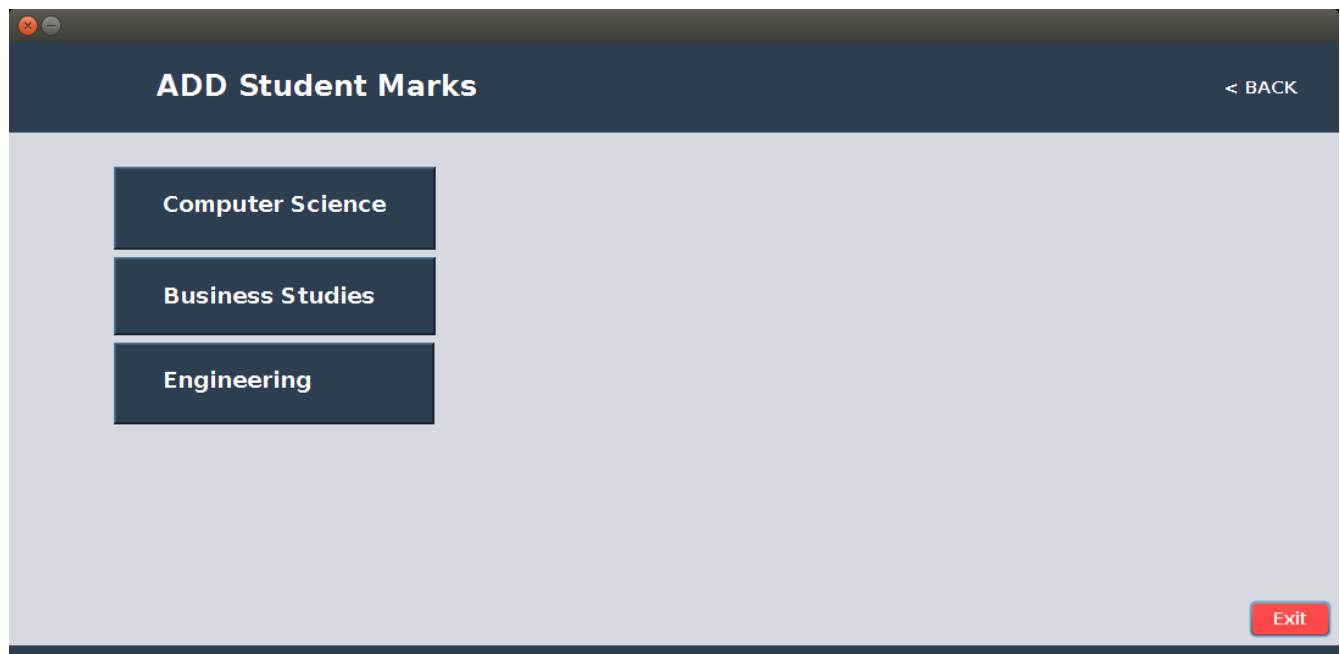
Column :

Stu_id :

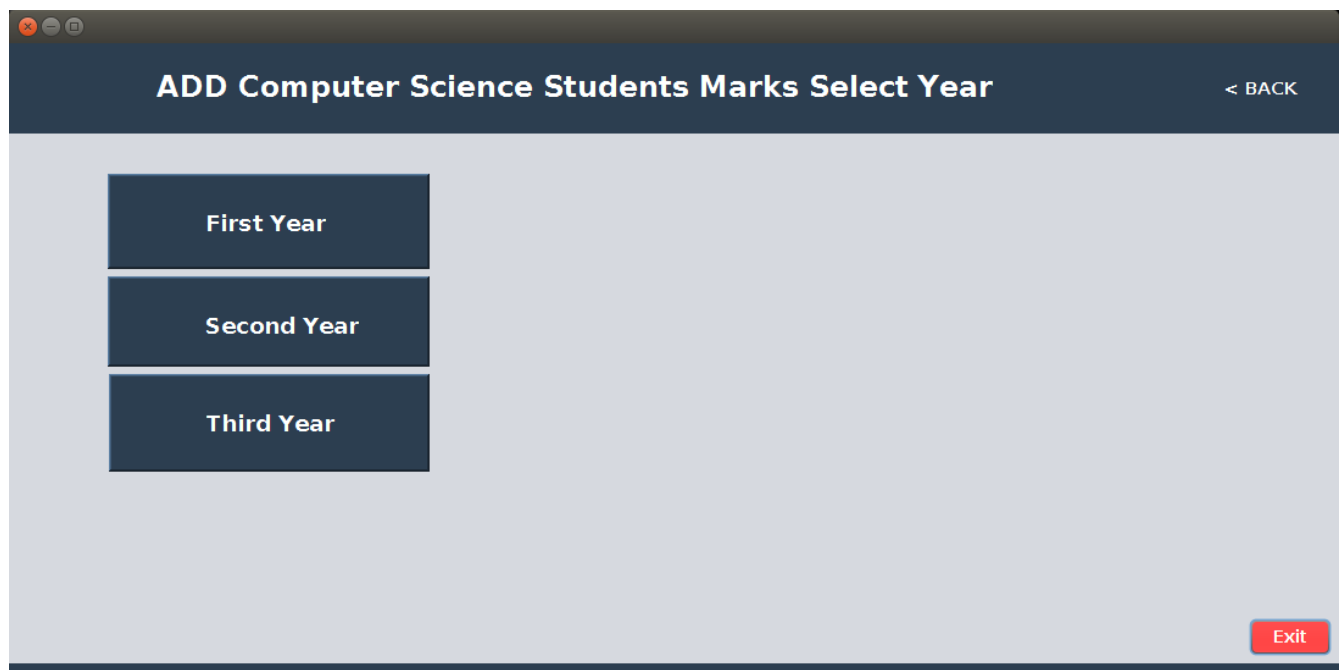
new Value:

View Search Delete Update Exit

By clicking on the view/update and delete details button, it paves the way for a window where the admin can view and search currently enrolled students by entering some of the students basic details and clicking on the view button or the search button. And here it includes two buttons for deletion and also to update any kind of student information.



To add student marks first the relevant degree should be selected by clicking on the correct button and then it makes way for the window for relevant year selection as follows.



By clicking on the relevant year button the system proceeds for a new window where there are essential fields to be filled like the student id number and the relevant course number and its marks. It is shown below.

ADD 1st Year CS Students Marks < BACK

Stu_ID :

Subject : CS1001 ▾

Marks :

☐ I hereby confirm that above details are true.

Add Marks

1st Semester

CS1001 - Data Structure & Algorithm

CS1002 - Programming

CS1003 - Database

CS1004 - Networking

2nd Semester

CS1005 - Laboratory

CS1006 - Computer System

CS1007 - Software Engineering

CS1008 - Mathematical Methods

Exit

The provided marks should be confirmed as the correct details by ticking on the box which is saying “I hereby confirm that above details are true”.After that the marks can be submitted by clicking on the button on the bottom of the page which says “Add Marks”.

Student’s grades can be viewed by following the same procedure as above by selecting the relevant degree program, relevant year and entering student id number and the course number after clicking on the button “view grade”. After entering the essential details you need to click on the view grade button included in the view grade window.

VIEW CS Student Grades < BACK

Stu_ID :

Subject : CS1001 ▾

View Grade

Grade :

1st Semester

CS1001 - Data Structure & Algorithm

CS1002 - Programming

CS1003 - Database

CS1004 - Networking

2nd Semester

CS1005 - Laboratory

CS1006 - Computer System

CS1007 - Software Engineering

CS1008 - Mathematical Methods

Exit

And as the final option in the student field ,system brings out a fascinating facility for the students which is that they can get to know of their year final report by just entering the relevant year, course and of cause their id numbers as follows.

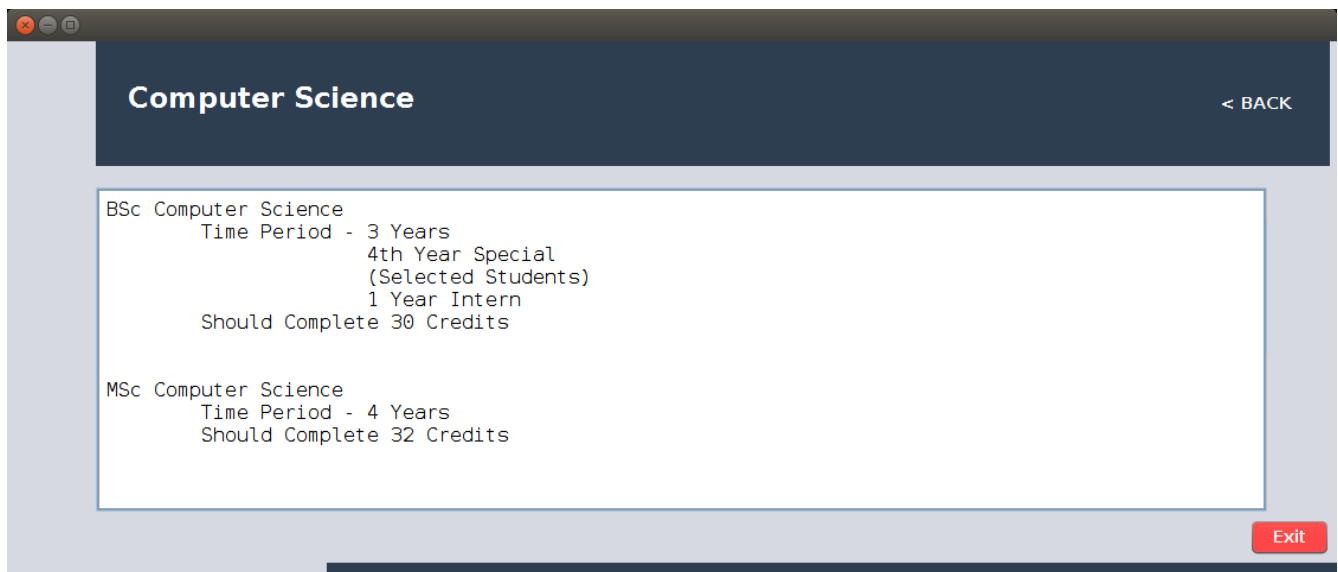
The screenshot shows a web application window titled "Student Reports". At the top right, there is a "< BACK" link. Below the title bar, there are two dropdown menus: "Year :" with "1st" selected, and "Course Type :" with "Computer Scie..." selected. To the right of these is an empty text input field and a blue "View" button. The main content area is a large, empty white rectangle. In the bottom right corner, there is a red "Exit" button.

The second option in the home page is subjects button which leads to all the subject details in each course category separately.

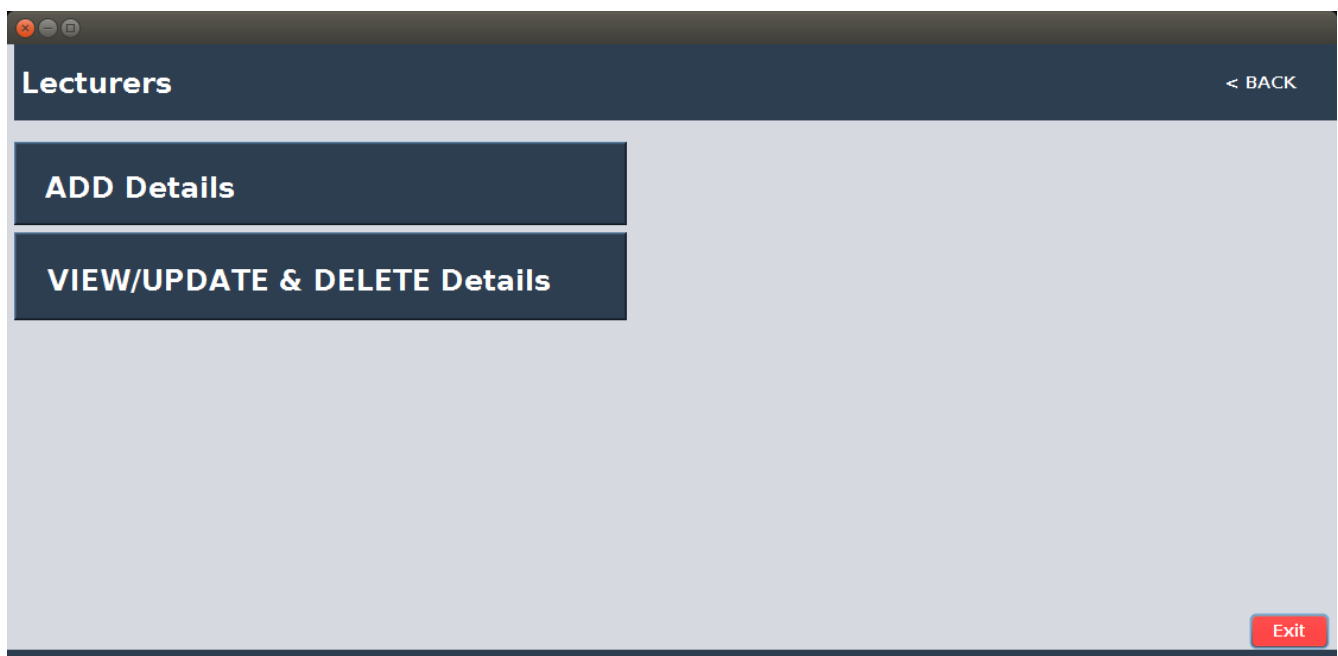
System gives out the courses button as the third option in the home page where again the selection of the relevant course category is essential in order to get the information about the courses.

The screenshot shows a web application window titled "Courses". At the top right, there is a "< BACK" link. On the left side, there are three stacked buttons: "Computer Science", "Business Studies", and "Engineering". The main content area is a large, empty light gray rectangle. In the bottom right corner, there is a red "Exit" button.

After selecting the relevant course category you can get to know some of important aspects of that particular course as follows.



By clicking on the lecturers button in the home page we can open up a new window containing two main options as add details and view,update and delete details as shown below.



Add details button basically acts for the registration of a particular lecturer for the system. By clicking on the add details button it will guide towards a new window which requires some basic information of a lecturer who is need of registering in the system. And as in the student registration here also the details of the lecturer should be confirmed as true by ticking the relevant box before registering him or her in the system by clicking on the register button at the bottom of the window.

The screenshot shows a web application window titled "ADD Lecturer Details". The window has a dark blue header bar with the title and a "< BACK" link. The main content area is light gray and contains several form fields: "Lec_ID" (text input), "Last Name" (text input), "Email" (text input), "Faculty" (dropdown menu showing "School Of Busin..."), "Description" (text area), "First Name" (text input), "Address" (text input), "Mobile No" (text input), and "Gender" (radio buttons for "Male" and "Female"). At the bottom, there is a checkbox labeled "I hereby confirm that above details are true.", a "Register" button, and an "Exit" button in the bottom right corner.

The view,update and delete button in the lecturer window gives the same options as that of in the student's view,update and delete button.

Time table option gives out the lecture schedule of the enrolled students in the system. First the selection of the course category should be done as follows.

The screenshot shows a web application window titled "Select Course". The window has a dark blue header bar with the title and a "< BACK" link. The main content area is light gray and contains three dark blue buttons stacked vertically: "Computer Science", "Business Studies", and "Engineering". At the bottom right, there is an "Exit" button.

Then after clicking on the relevant course category a student can get to know the lecture schedule he or she should attend after selecting the relevant year and the course type as shown below.

Computer Science Time Table < BACK

Time	Monday	Tuesday	Wednesday	Thursday	Friday
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Year : 1st Day : mo...
Course Type : Bachelor Time : 8-10
Subject :

View Update Exit

And as the final option in the home page the about button gives away some basic information about the system and its functionalities.

All the windows except the home page contains a button named as “back” at the top right most corner which guides the user to the previous window. To go with it all the windows including the home page contains a exit button at the lower right most corner to break out from the system at any point.