

# **SCS 2104 PROGRAMMING 03**

**TAKE HOME ASSSIGNMENT-2018**

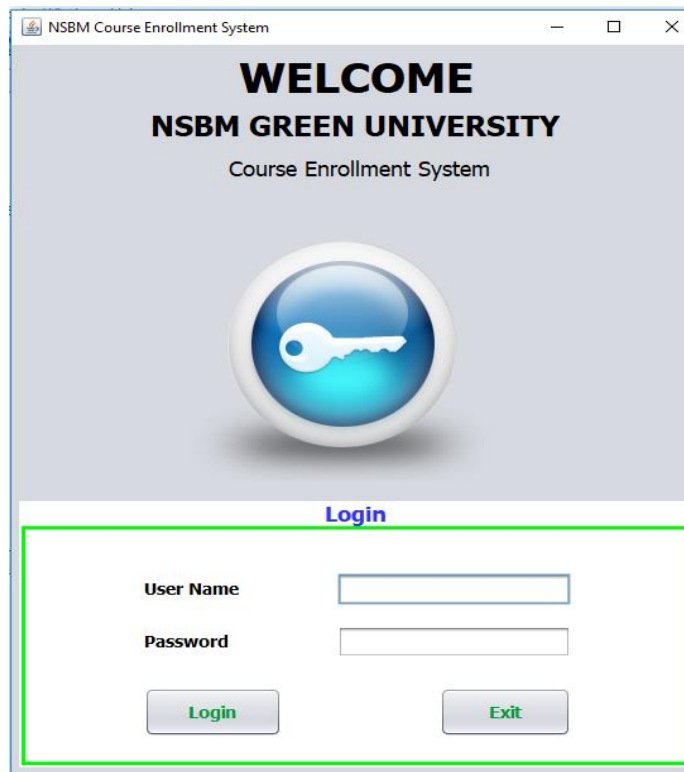
**NSBM COURSE ENROLLMENT SYSTEM**

**NAME : U.G.S BUDDHIKA**

**ADMISSION NUMBER : 2016/CS/016**

**INDEX NUMBER : 16000161**

## Login Form



The screenshot shows a web application window titled "NSBM Course Enrollment System". The main heading is "WELCOME NSBM GREEN UNIVERSITY Course Enrollment System". Below the heading is a large blue key icon inside a white circle. A green box highlights the "Login" section, which contains two input fields: "User Name" and "Password". Below these fields are two buttons: "Login" and "Exit".

Admin can log the System.

## Home Page



The screenshot shows the home page of the "University management system". The page features a large "WELCOME" text in the center. On the left side, there are three sections, each with a green border: "Undergraduate Students Details" (containing "Student Registration", "Course Registration", and "Student Marks & Results"), "Postgraduate Students Details" (containing "Student Registration", "Course Registration", and "Student Marks & Results"), and "Teacher Details" (containing "Add Lecturers", "Add Instructors", and "Lecture Allocations"). The right side of the page has a logo with the text "University management system" and a colorful geometric design.

When Come to Home Page Admin can Choose what he/she want to do.

# Undergraduate Student Registration



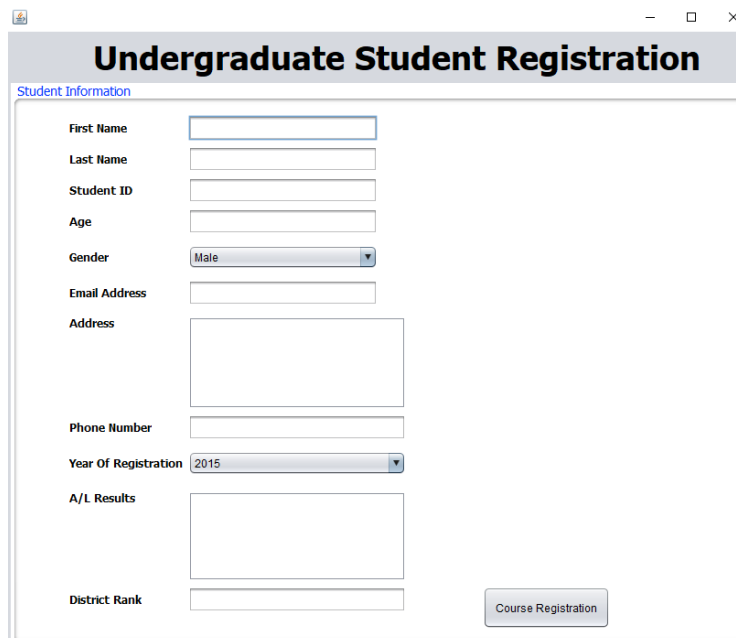
The screenshot shows a web application window titled "UNDERGRADUATE STUDENTS". At the top, there are four buttons: "Add Student", "View Student", "Update Student", and "Delete Student". Below these buttons is a table with the following data:

Student ID	First Name	Last Name	E-Mail
U001	kamal	perera	safadqeq

Below the table is a large black button with a yellow clipboard icon and the text "Student Registration". At the bottom of the window is a "Back" button.

When come to the undergraduate student page admin can add student,view student,update student,delete student.

## Add Undergraduate Student



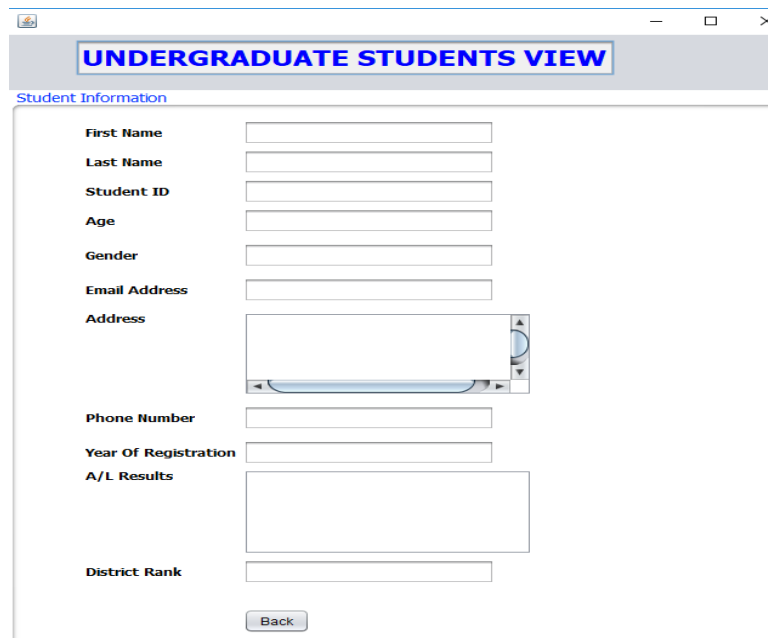
The screenshot shows a web application window titled "Undergraduate Student Registration". Below the title bar is a sub-header "Student Information". The form contains the following fields:

- First Name:
- Last Name:
- Student ID:
- Age:
- Gender:
- Email Address:
- Address:
- Phone Number:
- Year Of Registration:
- A/L Results:
- District Rank:

At the bottom right of the form is a "Course Registration" button.

Admin can add students in this page.

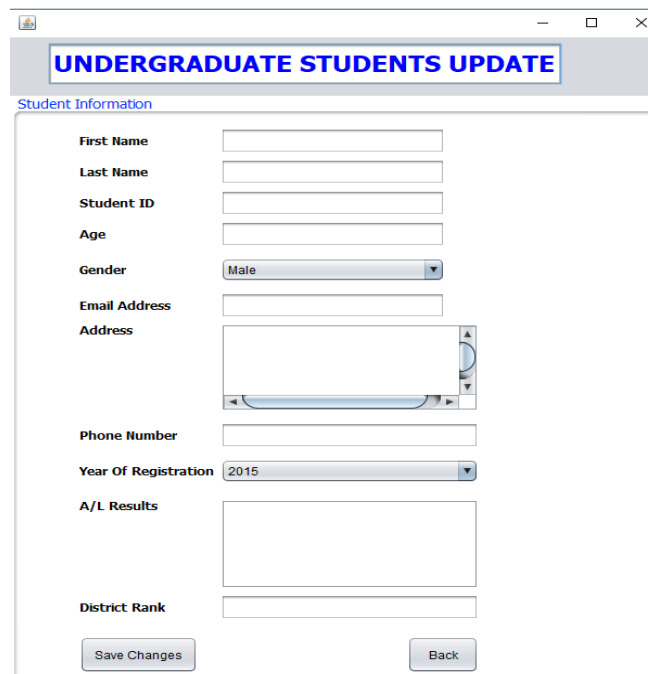
# View Undergraduate students



The screenshot shows a web application window titled "UNDERGRADUATE STUDENTS VIEW". Below the title bar, there is a sub-header "Student Information". The form contains the following fields: First Name, Last Name, Student ID, Age, Gender, Email Address, Address (a large text area with a scrollbar), Phone Number, Year Of Registration, A/L Results (a large text area), and District Rank. A "Back" button is located at the bottom center of the form.

Admin can view students in this page.

# Update Undergraduate students



The screenshot shows a web application window titled "UNDERGRADUATE STUDENTS UPDATE". Below the title bar, there is a sub-header "Student Information". The form contains the following fields: First Name, Last Name, Student ID, Age, Gender (a dropdown menu with "Male" selected), Email Address, Address (a large text area with a scrollbar), Phone Number, Year Of Registration (a dropdown menu with "2015" selected), A/L Results (a large text area), and District Rank. There are two buttons at the bottom: "Save Changes" on the left and "Back" on the right.

Admin can update students in this page.

## Delete Undergraduate students

The screenshot shows a web application window titled "UNDERGRADUATE STUDENTS DELETE". Below the title bar, there is a sub-header "Student Information". The form contains several input fields for student details: First Name, Last Name, Student ID, Age, Gender, Email Address, Address (with a text area and scrollbar), Phone Number, Year Of Registration, A/L Results (with a text area), and District Rank. At the bottom of the form, there are two buttons: "Delete Student" and "Back".

Admin can delete students in this page.

## Undergraduate Courses

The screenshot shows a web application window titled "UNDERGRADUATE COURSES". Below the title bar, there are three buttons: "Add Courses", "View Courses", and "Update courses". Below these buttons is a table with the following data:

Student ID	Course ID	Faculty	Year Of Registration
U001	UC42	School Of Computing	2018

Below the table, there is a "Back" button.

When come to the undergraduate course page admin can add student,view course,update course.

## Add Undergraduate Courses

The screenshot shows a web application window titled "Undergraduate Student's Course Registration". The form includes the following fields and controls:

- Student ID:** A text input field.
- Faculty:** A dropdown menu with the text "Select Your Faculty".
- Year Of Registration:** A dropdown menu with the value "2015".
- Course ID:** A dropdown menu.
- Main Subjects:** A section containing two rows, each with a text input, a dropdown menu, and a "Payment" checkbox.
- Subject 1 to Subject 4:** Four rows, each with a text input, a dropdown menu, and a "Payment" checkbox.
- Buttons:** "PROCEED" and "Back" buttons at the bottom.

Admin can add student courses in this page.

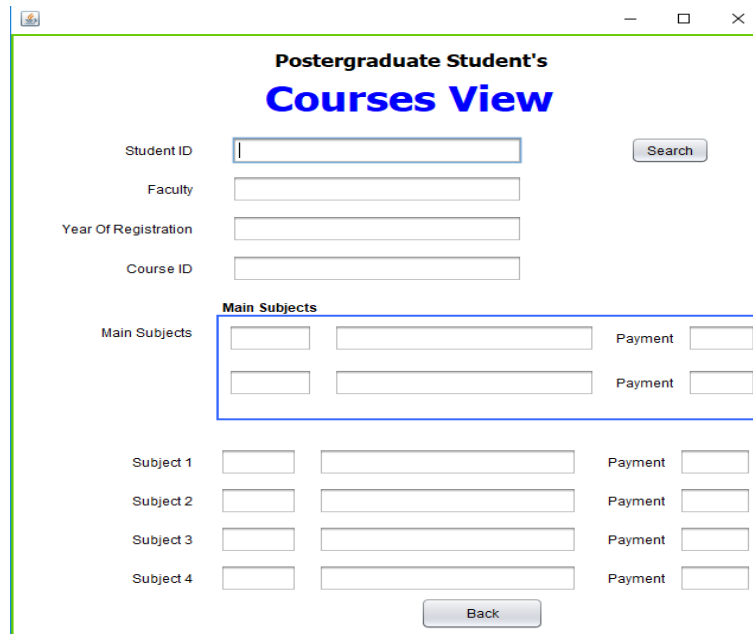
## Update Undergraduate Courses

The screenshot shows a web application window titled "Postergraduate Student's Courses Update". The form includes the following fields and controls:

- Student ID:** A text input field.
- Faculty:** A dropdown menu with the text "Select Your Faculty".
- Year Of Registration:** A dropdown menu with the text "Select Registration Year".
- Course ID:** A dropdown menu.
- Main Subjects:** A section containing two rows, each with a text input, a dropdown menu, and a "Payment" checkbox.
- Subject 1 to Subject 4:** Four rows, each with a text input, a dropdown menu, and a "Payment" checkbox.
- Buttons:** "PROCEED" and "Back" buttons at the bottom.

Admin can update student courses in this page.

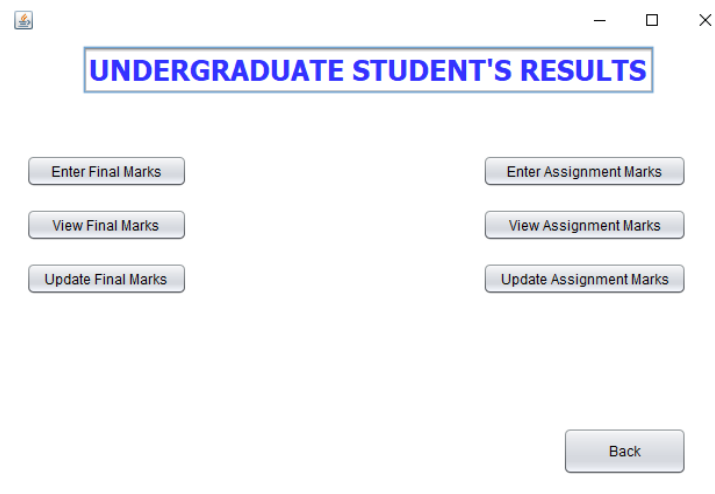
## View Undergraduate Courses



The screenshot shows a web application window titled "Postgraduate Student's Courses View". It contains several input fields for filtering: "Student ID", "Faculty", "Year Of Registration", and "Course ID", each followed by a "Search" button. Below these is a section titled "Main Subjects" which contains two rows of input fields for subject names and payment amounts. At the bottom, there are four rows labeled "Subject 1" through "Subject 4", each with input fields for the subject name and payment. A "Back" button is located at the bottom center of the form.

Admin can view student courses in this page.

## Undergraduate Students Result Enter



The screenshot shows a web application window titled "UNDERGRADUATE STUDENT'S RESULTS". It features a grid of buttons for managing student results. The buttons are arranged in two columns: "Enter Final Marks", "View Final Marks", and "Update Final Marks" on the left; "Enter Assignment Marks", "View Assignment Marks", and "Update Assignment Marks" on the right. A "Back" button is positioned at the bottom center of the page.

Admin can Enter final marks ,view final marks,update final marks,enter assignment marks in this page.

## Enter undergraduate's Final Marks

The screenshot shows a web application window titled "Undergraduate Student's RESULT ENTER". It features a search section with "Student ID" and "Course ID" input fields and a "Search" button. Below this is a "Marks Enter" section with six rows, each containing a text input field and a dropdown menu with "A+" selected. A "Proceed" button is at the bottom of this section. The "Results" section at the bottom includes a "GPA" input field, a "SUBMIT" button, a "Clear Fields" button, a "Back" button, and a "SEND MAIL" button.

Admin can result Enter in this page.

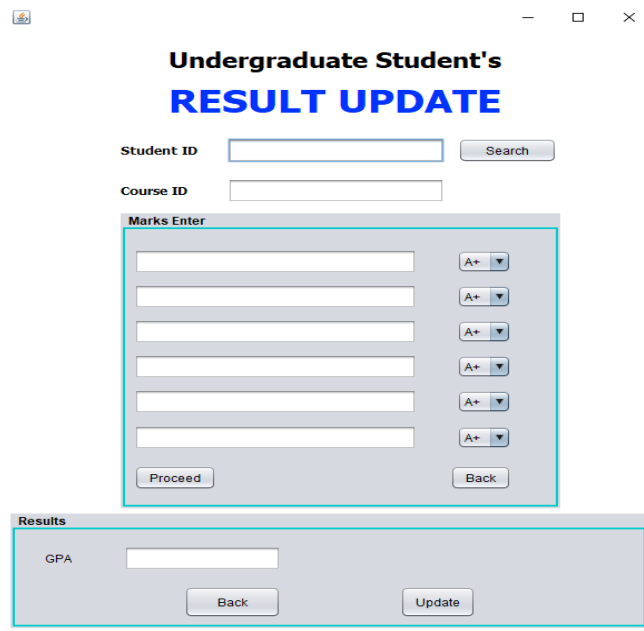
## View Undergraduate's Final Marks

The screenshot shows a web application window titled "Undergraduate Student's RESULT VIEW". It has a search section with "Student ID" and "Course ID" input fields and a "Search" button. Below is a "Marks Enter" section with six rows, each containing a text input field and a small rectangular button. The "Results" section at the bottom includes a "GPA" input field, a "Back" button, and a "SEND MAIL" button.

Admin can result View in this page.



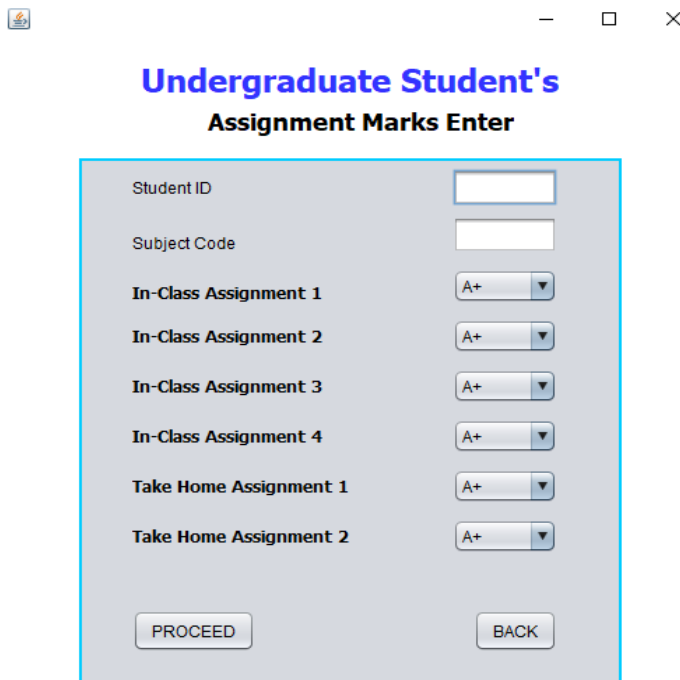
# Update Undergraduate's Final Marks



The screenshot shows a web application window titled "Undergraduate Student's RESULT UPDATE". It contains a "Student ID" field with a "Search" button, a "Course ID" field, and a "Marks Enter" section. The "Marks Enter" section has six input fields, each with a dropdown menu set to "A+", and "Proceed" and "Back" buttons. Below this is a "Results" section with a "GPA" field and "Back" and "Update" buttons.

Admin can result View in this page.

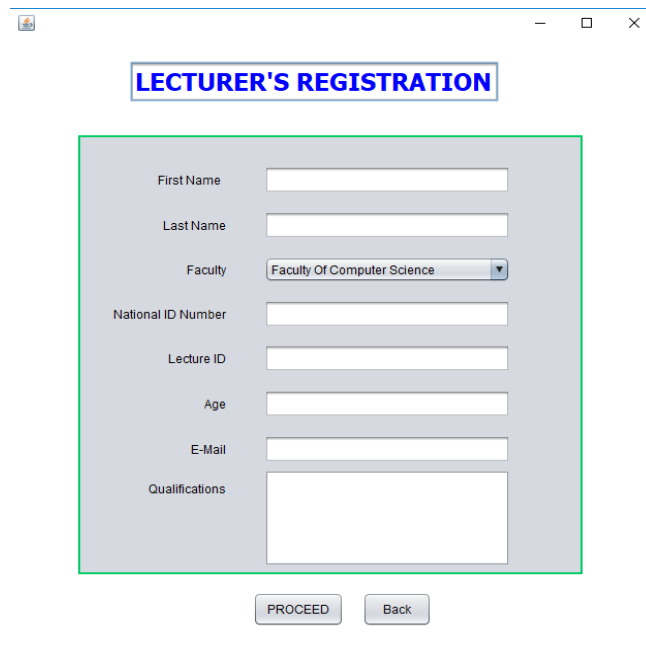
# Undergraduate Student's Assignment Marks Enter



The screenshot shows a web application window titled "Undergraduate Student's Assignment Marks Enter". It contains a "Student ID" field, a "Subject Code" field, and seven assignment fields: "In-Class Assignment 1" through "In-Class Assignment 4" and "Take Home Assignment 1" and "Take Home Assignment 2". Each assignment field has a dropdown menu set to "A+". At the bottom are "PROCEED" and "BACK" buttons.

Admin can enter assignment marks in this page.

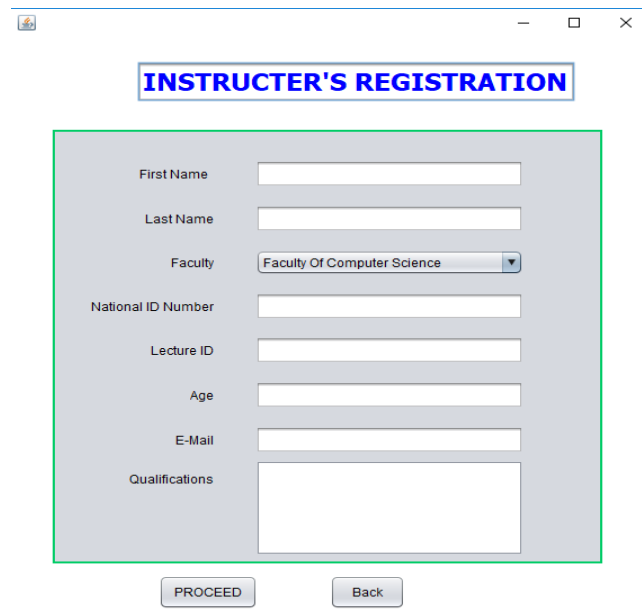
# Add Lecturers



The screenshot shows a web browser window with a title bar containing a small icon and standard window controls (minimize, maximize, close). The main content area displays a form titled "LECTURER'S REGISTRATION" in a blue-bordered box. The form itself is a light gray rectangle with a green border, containing the following fields: "First Name" (text input), "Last Name" (text input), "Faculty" (dropdown menu with "Faculty Of Computer Science" selected), "National ID Number" (text input), "Lecture ID" (text input), "Age" (text input), "E-Mail" (text input), and "Qualifications" (text area). Below the form are two buttons: "PROCEED" and "Back".

Admin can add lecturers in this page

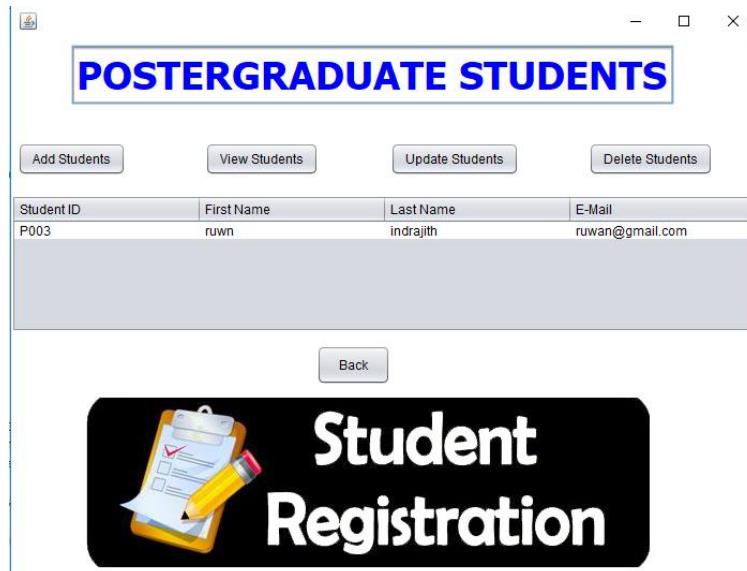
# Add Instructors



The screenshot shows a web browser window with a title bar containing a small icon and standard window controls (minimize, maximize, close). The main content area displays a form titled "INSTRUCTOR'S REGISTRATION" in a blue-bordered box. The form itself is a light gray rectangle with a green border, containing the following fields: "First Name" (text input), "Last Name" (text input), "Faculty" (dropdown menu with "Faculty Of Computer Science" selected), "National ID Number" (text input), "Lecture ID" (text input), "Age" (text input), "E-Mail" (text input), and "Qualifications" (text area). Below the form are two buttons: "PROCEED" and "Back".

Admin can add lecturers in this page

## Postergraduate Student Registration



The screenshot shows a web application window titled "POSTERGRADUATE STUDENTS". At the top, there are four buttons: "Add Students", "View Students", "Update Students", and "Delete Students". Below these buttons is a table with the following data:

Student ID	First Name	Last Name	E-Mail
P003	ruwn	indrajith	ruwan@gmail.com

Below the table is a "Back" button. At the bottom of the window is a large black banner with a yellow clipboard icon and the text "Student Registration".

When come to the postergraduate student page admin can add student,view student,update student,delete student.

## Add Postergraduate Student



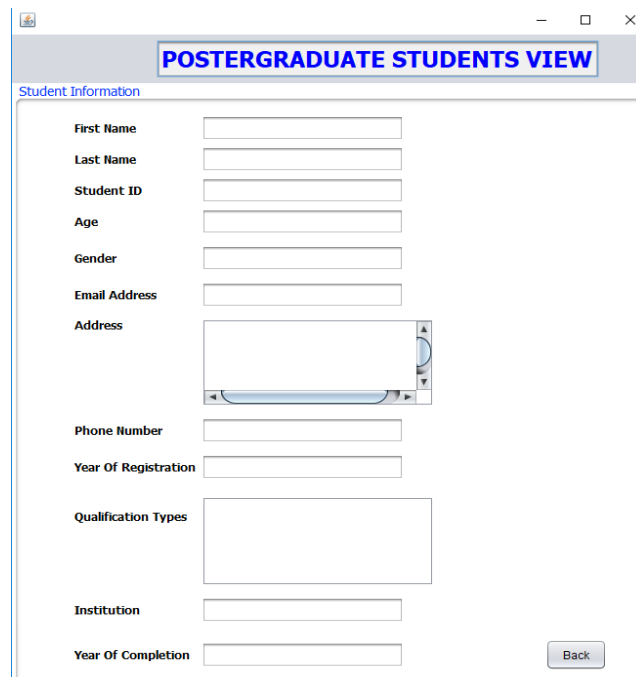
The screenshot shows a web application window titled "Postergraduate Student Registration". The form is titled "Student Information" and contains the following fields:

- First Name
- Last Name
- Student ID
- Age
- Gender (Dropdown menu with "Male" selected)
- Email Address
- Address
- Phone Number
- Year Of Registration (Dropdown menu with "2016" selected)
- Qualification Types
- Institution

There is a large blue circular icon with a white "i" on the right side of the form. At the bottom right, there is a "Course Registration" button. At the bottom of the window, there are three buttons: "PROCEED", "Clear", and "BACK".

Admin can add postergraduate students in this page.

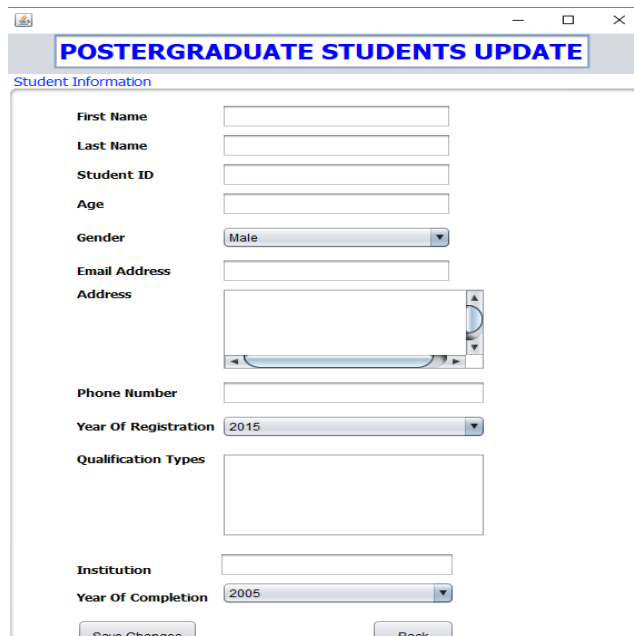
## View Postergraduate students



A screenshot of a web application window titled "POSTERGRADUATE STUDENTS VIEW". The window has a standard Windows-style title bar with minimize, maximize, and close buttons. Below the title bar, there is a sub-header "Student Information". The form contains several input fields: "First Name", "Last Name", "Student ID", "Age", "Gender", "Email Address", "Address" (a text area with a scrollbar), "Phone Number", "Year Of Registration", "Qualification Types" (a text area), "Institution", and "Year Of Completion". A "Back" button is located at the bottom right of the form.

Admin can view postergraduate students in this page.

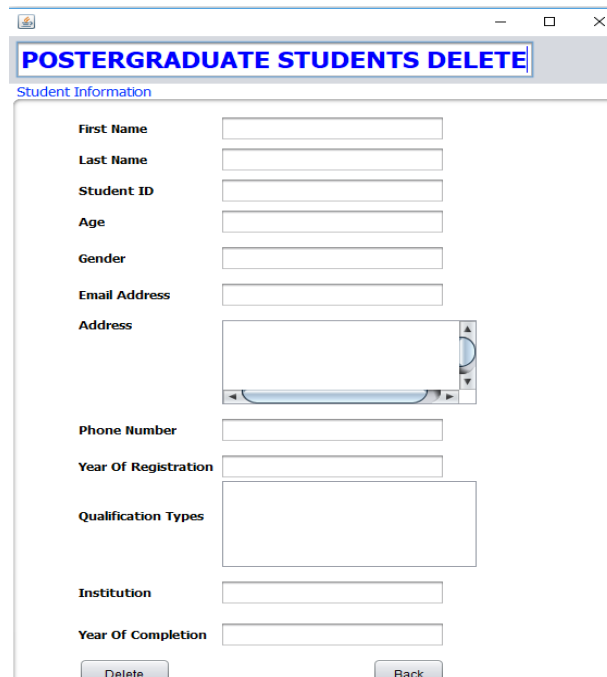
## Update Postergraduate students



A screenshot of a web application window titled "POSTERGRADUATE STUDENTS UPDATE". The window has a standard Windows-style title bar. Below the title bar, there is a sub-header "Student Information". The form contains several input fields: "First Name", "Last Name", "Student ID", "Age", "Gender" (a dropdown menu with "Male" selected), "Email Address", "Address" (a text area with a scrollbar), "Phone Number", "Year Of Registration" (a dropdown menu with "2015" selected), "Qualification Types" (a text area), "Institution", and "Year Of Completion" (a dropdown menu with "2005" selected). At the bottom of the form, there are two buttons: "Save Changes" and "Back".

Admin can view postergraduate students in this page

## Delete Postergraduate students



**POSTERGRADUATE STUDENTS DELETE**

Student Information

First Name

Last Name

Student ID

Age

Gender

Email Address

Address

Phone Number

Year Of Registration

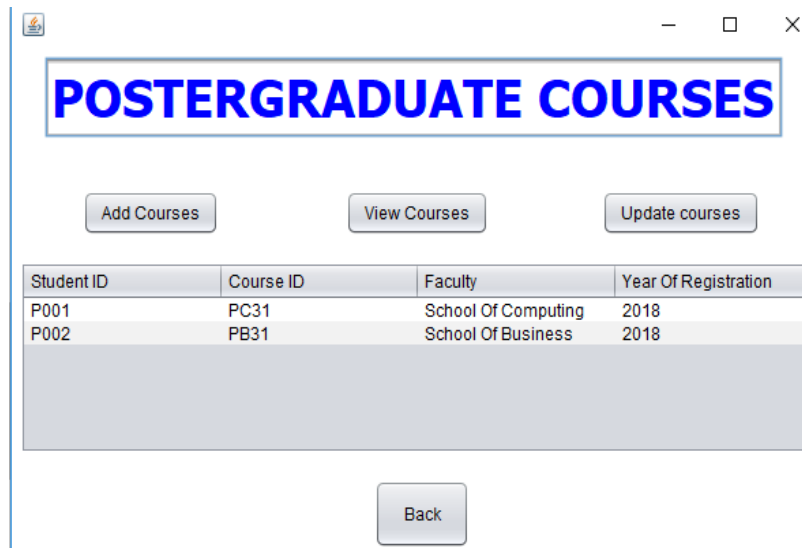
Qualification Types

Institution

Year Of Completion

Admin can delete postergraduate students in this page.

## Postergraduate Courses



**POSTERGRADUATE COURSES**

Student ID	Course ID	Faculty	Year Of Registration
P001	PC31	School Of Computing	2018
P002	PB31	School Of Business	2018

When come to the undergraduate course page admin can add student,view course,update course.

## Add Postergraduate Courses

The screenshot shows a web application window titled "Postergraduate Student's Course Registration". The form includes the following fields and controls:

- Student ID:** A text input field.
- Faculty:** A dropdown menu with the text "Select Your Faculty".
- Year Of Registration:** A dropdown menu with the value "2015".
- Course ID:** A dropdown menu.
- Main Subjects:** A section containing two rows, each with a text input field, a dropdown menu, the label "Payment", and a checkbox.
- Subject 1 to Subject 4:** Four rows, each with a text input field, a dropdown menu, the label "Payment", and a checkbox.
- Buttons:** "PROCEED" and "Back" buttons at the bottom.

Admin can add postergraduate student's courses in this page.

## Update Postergraduate Courses

The screenshot shows a web application window titled "Postergraduate Student's Courses Update". The form includes the following fields and controls:

- Student ID:** A text input field.
- Faculty:** A dropdown menu with the text "Select Your Faculty".
- Year Of Registration:** A dropdown menu with the text "Select Registration Year".
- Course ID:** A dropdown menu.
- Main Subjects:** A section containing two rows, each with a text input field, a dropdown menu, the label "Payment", and a checkbox.
- Subject 1 to Subject 4:** Four rows, each with a text input field, a dropdown menu, the label "Payment", and a checkbox.
- Buttons:** "PROCEED" and "Back" buttons at the bottom.

Admin can update postergraduate student's courses in this page.

## View Postergraduate Courses

The screenshot shows a web application window titled "Postergraduate Student's Courses View". It features a search bar with a "Search" button and four input fields for "Student ID", "Faculty", "Year Of Registration", and "Course ID". Below these is a section titled "Main Subjects" containing two rows of input fields for subjects and payment amounts. At the bottom, there are four rows for "Subject 1" through "Subject 4", each with input fields for the subject name and payment amount. A "Back" button is located at the bottom center.

Admin can update postergraduate student's courses in this page.

## Postergraduate Student's Result Enter

The screenshot shows a web application window titled "POSTERGRADUATE STUDENT'S RESULTS". It contains six buttons arranged in two columns: "Enter Final Marks", "Enter Assignment Marks", "View Final Marks", "View Assignment Marks", "Update Final Marks", and "Update Assignment Marks". Below the buttons is a large graphic of a magnifying glass over the word "Results". A "Back" button is located at the bottom right.

Admin can Enter final marks ,view final marks,update final marks,enter assignment marks in this page.

## Enter Postergraduate's Final Marks

The screenshot shows a web application window titled "Postergraduate Student's RESULT ENTER". At the top, there is a search section with a "Student ID" input field and a "Search" button. Below this is a "Course ID" input field. The main section is titled "Marks Enter" and contains six rows, each with a text input field and a dropdown menu currently set to "A+". A "Proceed" button is located at the bottom of this section. Below the "Marks Enter" section is a "Results" section with a "GPA" input field, a "SEND MAIL" button, a "Clear Fields" button, a "Back" button, and a "SUBMIT" button.

Admin can postergraduate student's result Enter in this page.

## Update Postergraduate's Final Marks

The screenshot shows a web application window titled "Postergraduate Student's RESULT UPDATE". It has the same search section as the first form, with "Student ID" and "Search" fields. Below is the "Course ID" input field. The "Marks Enter" section is identical to the first form, with six rows of input fields and dropdown menus (all set to "A+"), and a "Proceed" button. Below this is a "Results" section with a "GPA" input field, a "Back" button, and an "Update" button.

Admin can postergraduate student's result Update in this page.



## View Postergraduate's Final Marks

The screenshot shows a web application window titled "Postergraduate Student's RESULT VIEW". It features two input fields: "Student ID" and "Course ID", each followed by a "Search" button. Below these is a section titled "Marks Enter" containing a table with six rows, each having two input fields. At the bottom, a "Results" section displays a "GPA" input field and a "Back" button.

Marks Enter	
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

Results	
GPA	<input type="text"/>
<input type="button" value="Back"/>	

Admin can postergraduate student's result View in this page.

## Postergraduate's Assignment Marks Enter

The screenshot shows a web application window titled "Postergraduate Student's Assignment Marks Enter". It contains input fields for "Student ID" and "Subject Code". Below these are seven rows, each with a label (e.g., "In-Class Assignment 1") and a dropdown menu currently showing "A+". At the bottom is a "PROCEED" button.

Student ID	<input type="text"/>
Subject Code	<input type="text"/>
In-Class Assignment 1	<input type="text" value="A+"/>
In-Class Assignment 2	<input type="text" value="A+"/>
In-Class Assignment 3	<input type="text" value="A+"/>
In-Class Assignment 4	<input type="text" value="A+"/>
Take Home Assignment 1	<input type="text" value="A+"/>
Take Home Assignment 2	<input type="text" value="A+"/>

Admin can postergraduate student's assignment marks enter in this page.

# Assumptions

- Only admin can handle the system.
- Both undergraduate and postergraduate student's can choose 6 subjects.
  - i. 2 main subjects.
  - ii. 4 choosing subjects.