

# Course Enrolment System

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Using JAVA

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## **Abstract**

Course Enrolment System is software which is helpful for students as well as the college authorities. In the current system all the activities are done manually. It is very time consuming and costly. This standalone System deals with the various activities related to the students. During analysis, data collected on the various files, decision points and transactions handled by the present system.

# System Information

## Modules

There are mainly Five modules in this software

- Model module – contains all classes implemented in the system.
  - AssignmentGrades – Assignment Results Class
  - Course - Course Class
  - Degree – Degree Class
  - Department – Depratment Class
  - ExamGrades – Examination Results Class
  - Instructor – Instructor Class
  - Lecturer – Lecturer Class
  - Location – Location Class
  - Mailer
  - Postgraduate – Postgraduate Class
  - Season
  - StudentSubject – Students Selected Subjects Class
  - Subject – Subject Class
  - Time – Teaching Allocation Class
  - Undergraduate – Undergraduate Class
- View Module – contains all interfaces.
- Controller Module – contain all controller functions.
- Database\_Connectivity module – contain databse connectivity class
- Images Module – contains all images requiered by the system.

## System Requierments

### Hardware Requierments

- System : Pentium IV 2.4 GHz.
- Hard Disk : 40 GB.
- Floppy Drive : 1.44 Mb.
- Monitor : 15 VGA Colour.
- Ram : 512 Mb.

### Software Requierments

- Operating system : Windows XP or Heigher.
- Coding Language :JAVA
- Data Base : Mysql 5.0

## Functionalities

### Administrator

- Administrator Login

- *SearchAdministrator(String username, String password)* – search administrator by username and password
  
- Manage system date
  - *getCalendar()* – returns system calendar
  - *setCalendar(Date date)*- set system calendar
  
- Undergraduate Registration
  - *searchDepartmentByDepartmentName(String department name)* –search a department by department name
  - *insertUndergraduatePersonal(Undergraduate undergraduate)*
  - *searchUndergraduateByNIC(String NIC)* –search undergraduate by national identity card number
  
- Undergraduate Course Register(Course enrolment)
  - *insertStudentSubject(StudentSubject studentSubject)*- insert subjects relevant to student
  - *searchCoursesByDepartmentIDAndDegreeID(String departmentID, String degreeID)*
  
- Postgraduate Registration
  - *searchDepartmentByDepartmentName(String department name)* –search a department by department name
  - *insertPostgraduatePersonal(Undergraduate undergraduate)*
  - *searchPostgraduateByNIC(String NIC)* –search undergraduate by national identity card number
  
- Manage Undergraduate
  - *updateUndergraduateAll(Undergraduate undergraduate)* –update undergraduate details
  
- Manage Postgraduate
  - *updatePostgraduateAll(Postgraduate postgraduate)* – update postgraduate details
  
- Lecturer Registration
  - *insertLecturer(Lecturer lecturer)*
  
- Manage Lecturers
  - *updateLecturer(Lecturer lecturer)*
  - *deleteLecturer(Lecturer lecturer)*
  
- Instructor Registration
  - *insertInstructor(Instructor instructor)*

- Manage Instructors
  - *updateInstructor (Instructor instructor)*
  - *deleteInstructor (Instructor instructor)*
- Manage Courses
  - *insertCourse(Course course)*
  - *searchCourseByCourseID(String courseID)*
- Manage Subjects
  - *insertSubject(Subject subject)*
  - *searchSubjectBySubjectID(String subjectID)*
  - *updateSubject(Subject subject)*
  - *deleteSubject(String subjectID)*
- Manage Examinations
  - *insertGrade(ExamGrades examGrade)* – insert examinations results
  - *searchUndergraduateByYear(String year)* – filter undergraduates with year
  - *searchSubjectBySemesterAndYearAndDepartmentIDAndType(String year, String semester, String departmentID, String studentType)* – search subjects relevant to a year, semester, department and student type
  - *searchExamGradeBySubjectID(String subjectID)*
- Manage Assignments
  - *insertAssignmentGrades(AssignmentGrades assignmentGrades)* – insert assignment results of a student
  - *searchAssignmentGradeByTypeAndSubjectAndStudentID(String studentType, String subjectID, String studentID)*
- Manage Teaching Allocations
  - *insertTime(Time time)* - insert a teaching allocation object of a staff member
  - *deleteTimeAllocation(Time time)*
- Manage Locations
  - *searchLocationByLocationID(String locationID)*
  - *insertLocation(Location location)* – insert location object
  - *updateLocation(Location location)* – update location object

## **Undergraduate**

- Undergraduate Login
  - *searchUndergraduateByStudentID(String studentID)*
- Undergraduate Registration
  - *Mentioned above*

- Manage Undergraduate Personal Details
  - *updateUndergraduatePersonal(Undergraduate undergraduate)*

### **Postgraduate**

- Postgraduate Login
  - *searchPostgraduateByStudentID(String studentID)*
- Postgraduate Registration
  - *Mentioned above.*
- Manage Postgraduate Personal Details
  - *updatePostgraduatePersonalDetails(Postgraduate postgraduate)*

### **Lecturer**

- Lecturer Login
  - *searchLecturerByLecturerID(String lecturerID)*
- Manage Lecturer Personal Details
  - *Mentioned above.*

### **Instructor**

- Instructor Login
  - *searchInstructorByInstructorID(String instructorID)*
- Manage Instructor Personal Details
  - *Mentioned above.*

### **System**

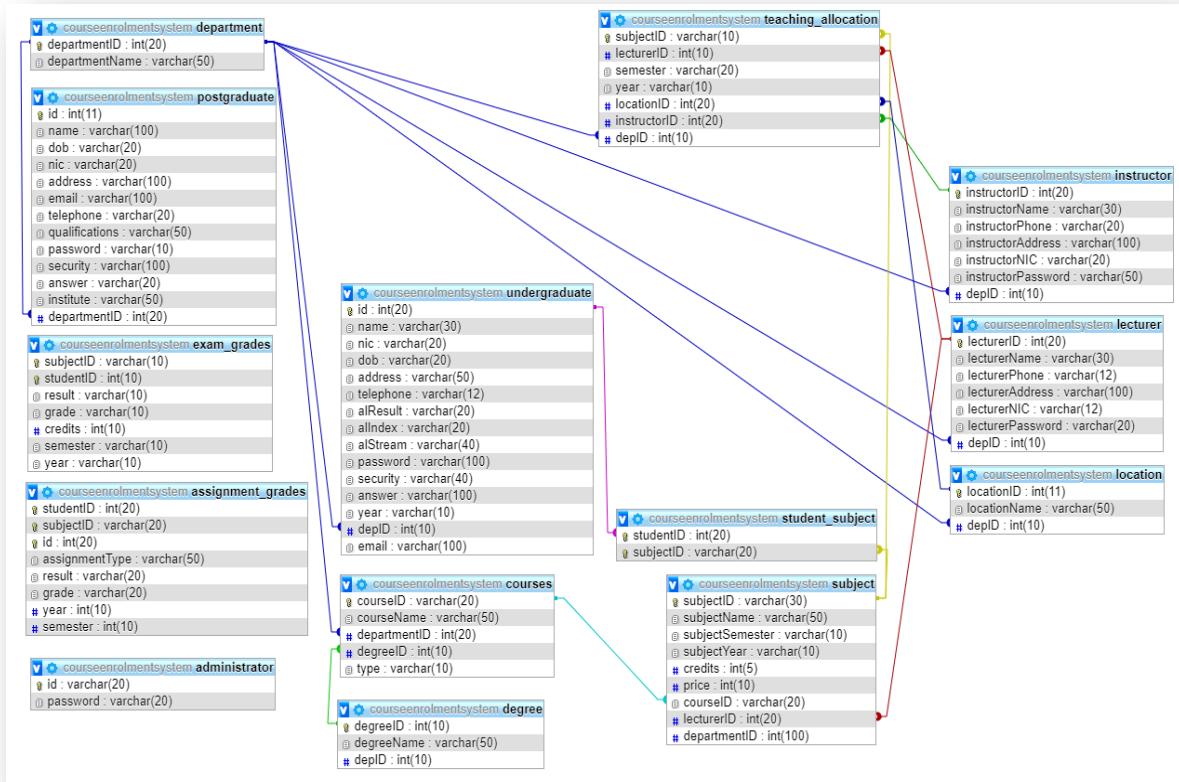
- Calculate GPA
  - *calGPA(ArrayList<String> studentResultsArray) – calculate GPA of a student by giving result of that student*
- Calculate Grades For Student Results
  - *Grade(String result)*
- Validate Season(July Or February)
  - *eligibleJulySeason() – return boolean if registration eligible for july*
  - *eligibleFebruarySeason() – return boolean if registration eligible for february*
- Send Email
  - *Send(String sender, String senderPassword, String receiver, String subject, String message)*

### **Assumptions**

- Student can have total 7 subjects(4 core subjects+3 optional subjects)

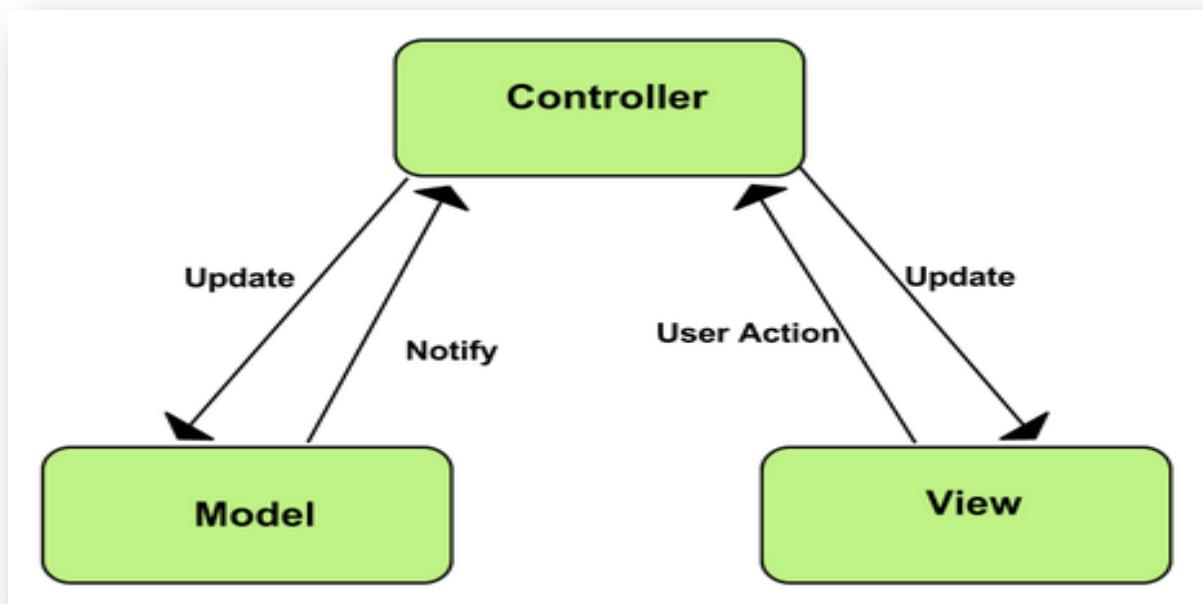
- Users can register within february(january 15 – february 1) and july(june 15 – july 1) seasons only. If for any special reasons administrator can change the system date.

## Entity Relationship Diagram



## System Architecture

- MVC (Model View Controller) Architecture



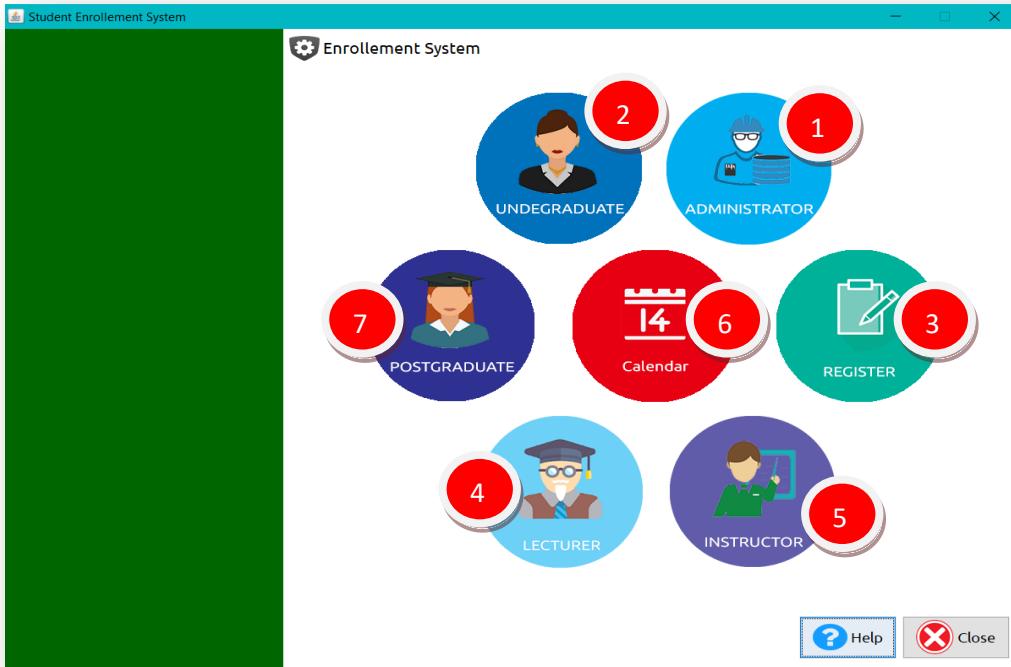
## Libraries and Drivers

- MySQL JDBC Driver
- jcalendar-1.4.jar
- javax.activation.jar
- javax.mail.jar
- JDK 1.8

# Implementation

Graphical User Interfaces and Descriptions

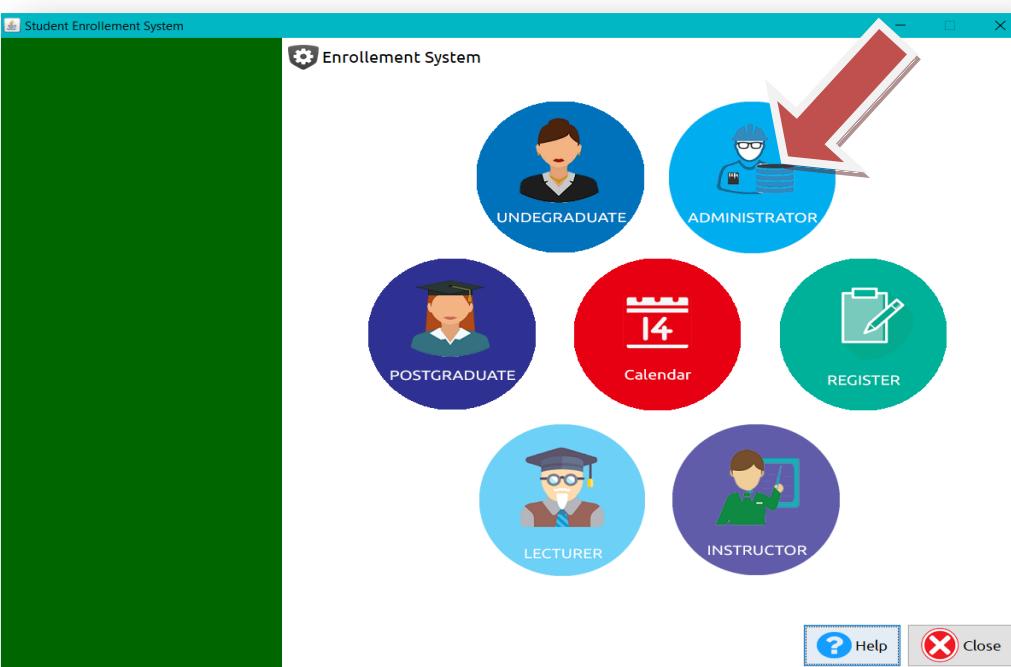
## Main Page



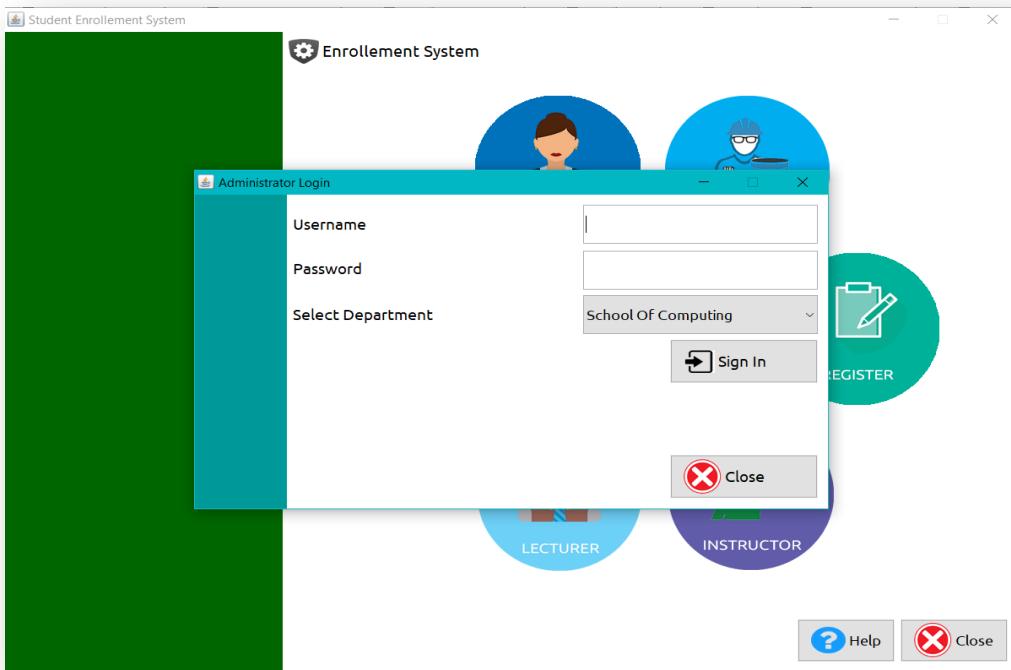
**Close** – Exit from the system.

**Help** – Display documentation.

## Administrator



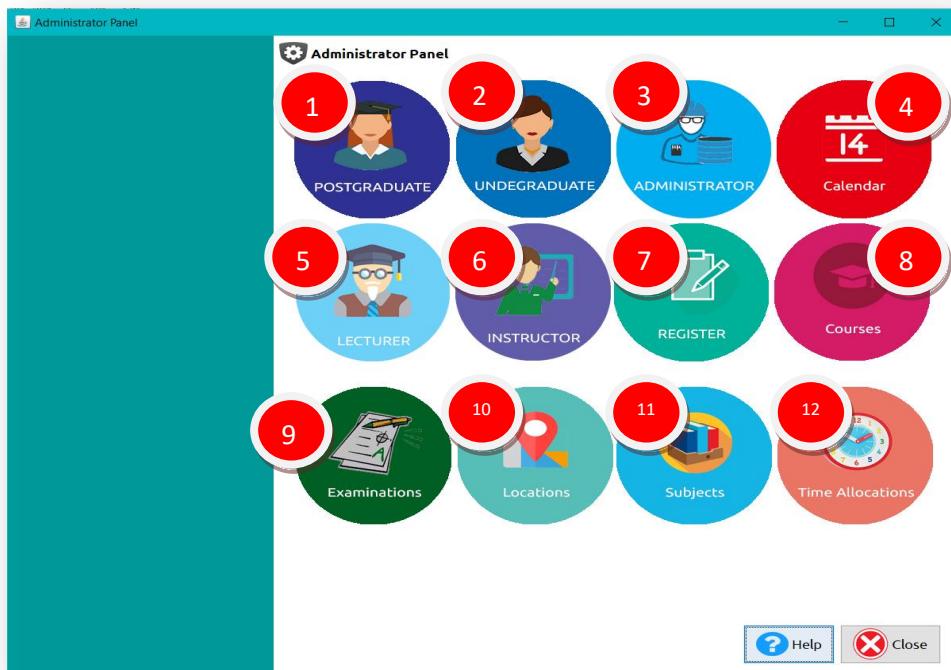
## Administrator Login Form



**Close**- user can close the form using close button and go back to **Main Page**.

**Sign In** – When user provides username, password and department system will display **Administrator Dashboard**

## Administrator Dashboard



## Administrator Postgraduate Management

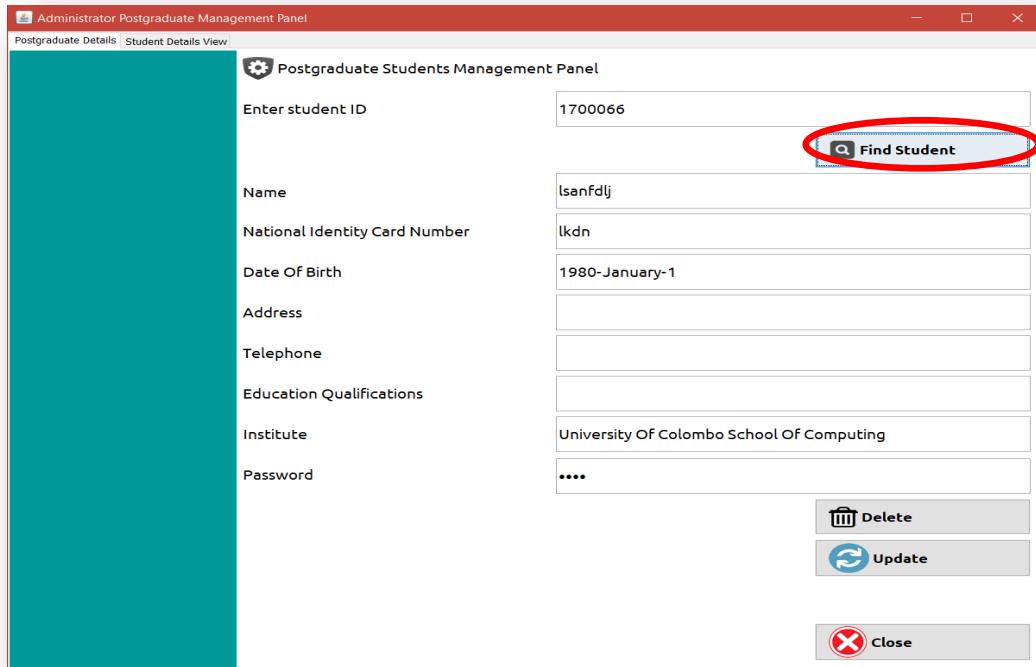


## Administrator Postgraduate Management Form

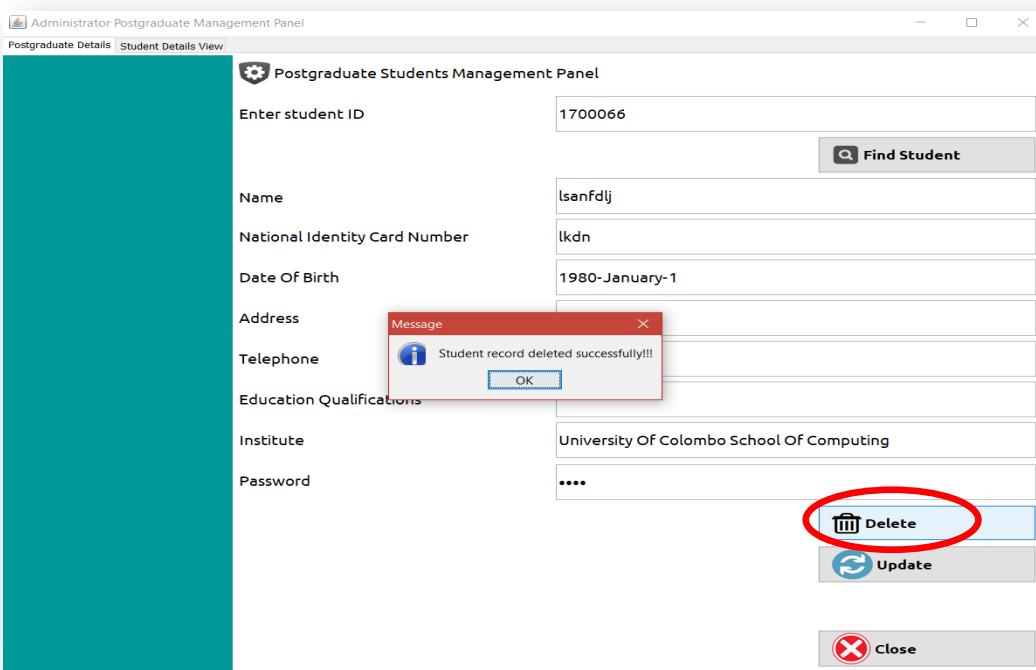
The image shows a detailed view of the "Postgraduate Students Management Panel". It features a sidebar on the left with tabs for "Postgraduate Details" and "Student Details View". The main panel has a title "Postgraduate Students Management Panel" and contains fields for "Enter student ID" (with a search button), "Name", "National Identity Card Number", "Date Of Birth", "Address", "Telephone", "Education Qualifications", "Institute", and "Password". Below these fields are "Delete", "Update", and "Close" buttons.

### Postgraduate Details Tab

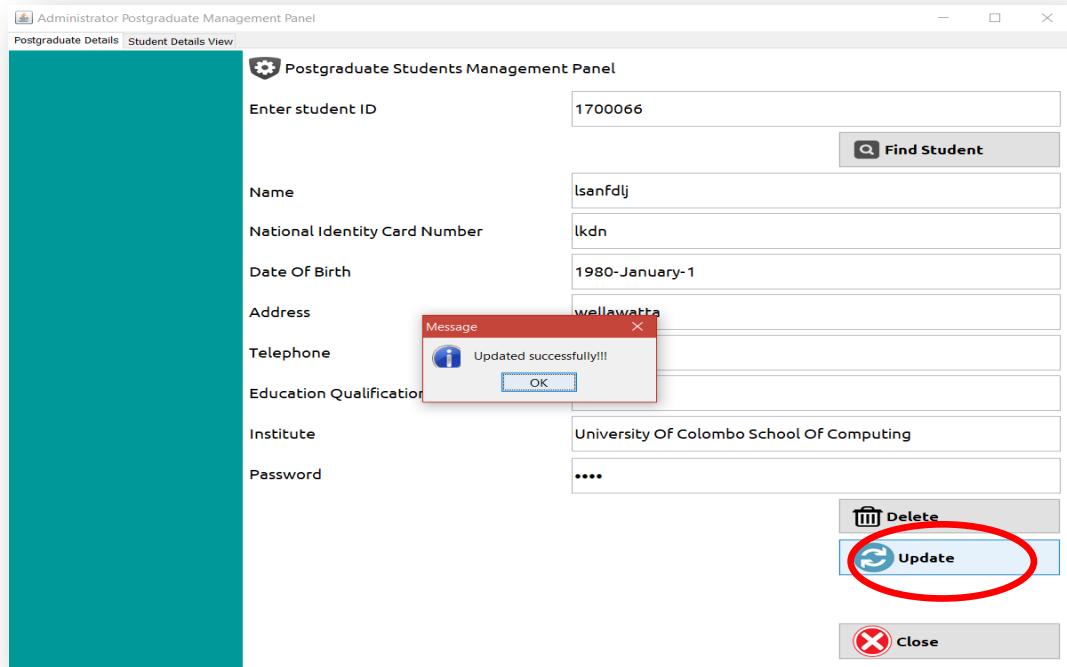
**Find Student** – User can enter a postgraduate student id and search details of that student.



**Delete** – User can delete searched student



**Update**- User can change searched student details.



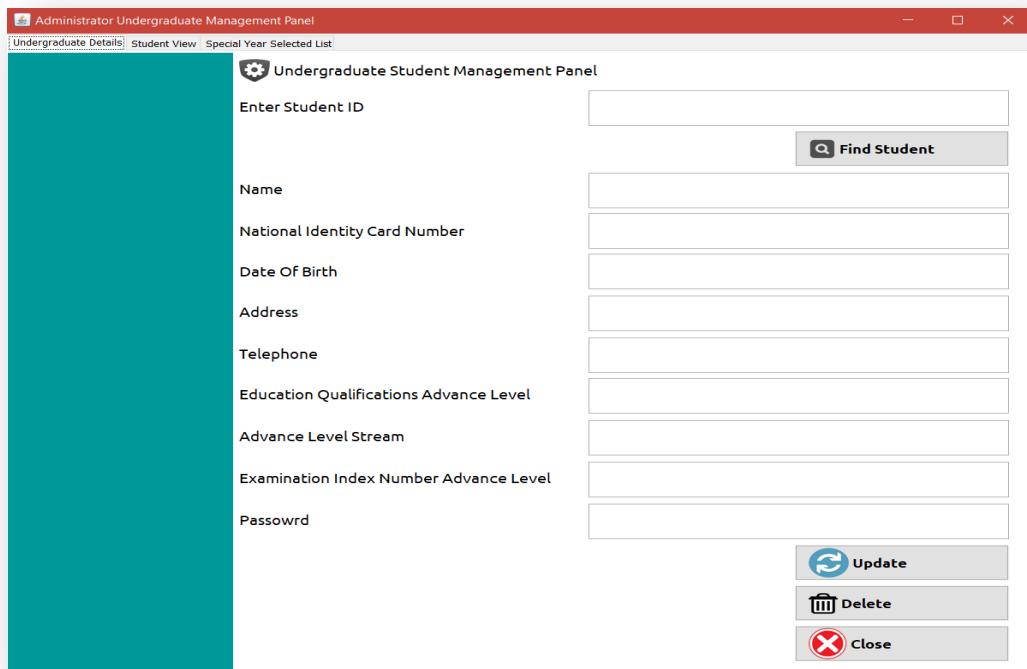
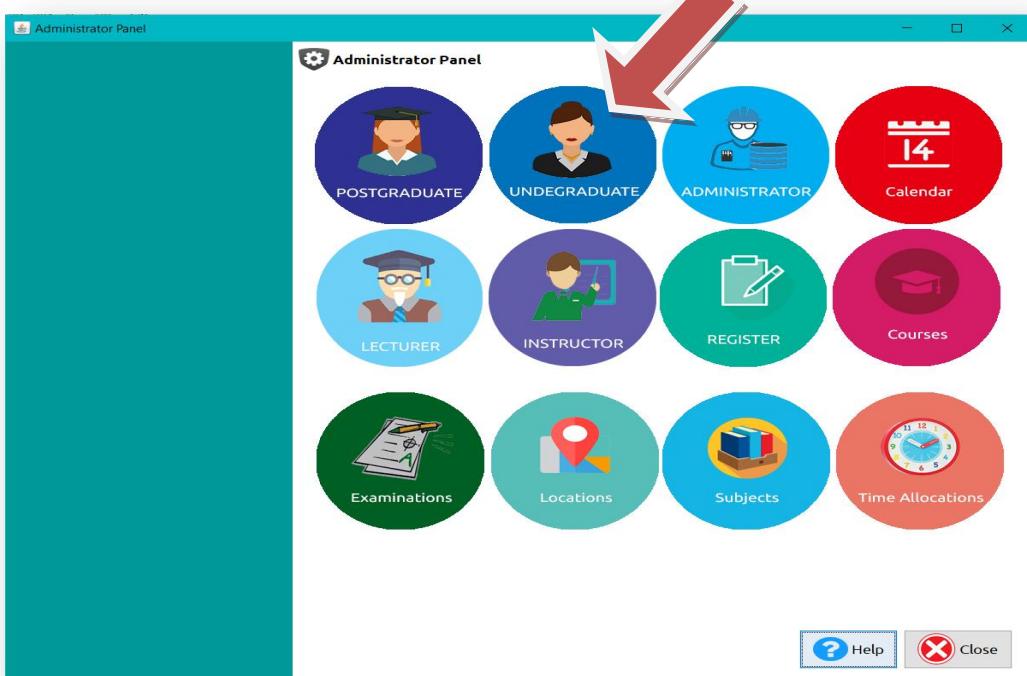
**Close-** Close the form and go back to **Administrator Dashboard**.

### Student Details View Tab

Display all postgraduate student details

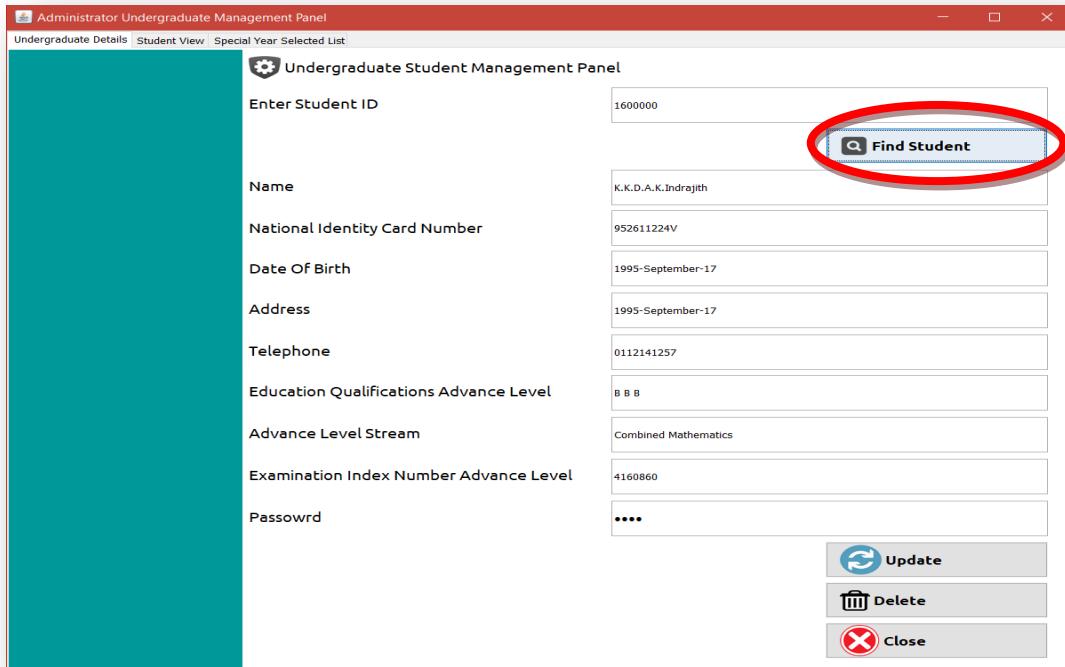
Administrator Postgraduate Management Panel								
Postgraduate Details		Student Details View						
Postgraduate ID	Name	National Identity Card	Address	Date Of Birth	Institute	Qualifications	elephone	
1700000	K.K.D.A.K.Indr...	952611224V	697-8,Javama...	1995-septemb...	NSBM	BSc Computer ...	0112141257	
1700001	asitha	952511224V	123,Pennipitiva	1982-March-1	ESOFT Metro C...	BSc Computer ...	0112141257	
1700065	awfeb	kainq		1980-January-1	University Of C...			
1700066	lsanfdlj	lkdn		1980-January-1	University Of C...			

## Administrator Undergraduate Management Form



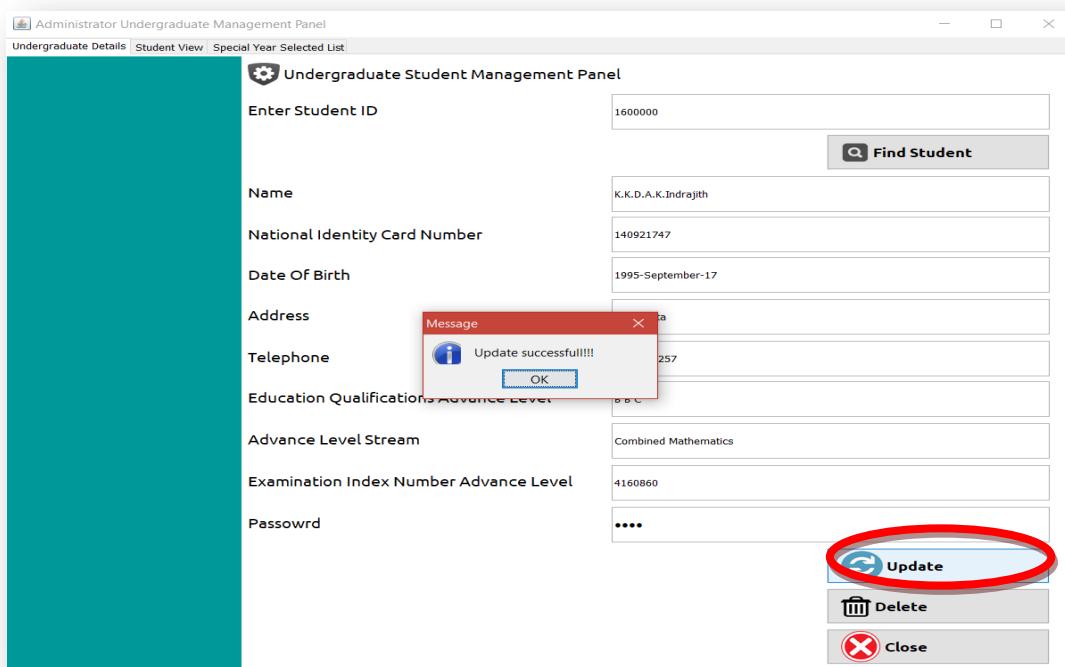
### Undergraduate Details Tab

**Find Student** – User enters an undergraduate student id and system displays student details.



**Delete**- delete searched student.

**Update**- user changes searched students' details and update them.



## Student View Tab

Display all undergraduate student details.

Administrator Undergraduate Management Panel								
Undergraduate Details	Student Name	NIC	Address	Date Of Birth	Telephone	A/L Stream	A/L Mat...	A/L Results
1600000	K.K.D.A.K.indra...	952611224V	1995-September-12	1995-September-01	0112152678	Combined Mat...	B B B	
1600001	K.D.Silva	953677123V	1993-09-24	1993-09-24	011215245678	Biological Scien...	A A A	
1600008	lkpbakwib	kibakib	kbsdf	1980-Januav-1	ksbbp	Combined Mat...	A A A	
1600009	lkpbakwib	kibakib	kbsdf	1980-Januav-1	ksbbp	Combined Mat...	A A A	
1600010	lkpbakwibewfe	kibakibabe	kbsdf	1980-Januav-1	ksbbp	Combined Mat...	A A A	
1600011	arlioi	wbfaiulw	bewfailu	1980-Januav-1	lawi	Combined Mat...	A A A	
1600012	erFfNIB	IEVLFHU	oirehgi	1980-Januav-1	luhaphu	Combined Mat...	A A A	
1600013	ewfrw	ouleub	ubrdaib	1980-Januav-1	lbewai	Combined Mat...	A A A	
1600014	wgnf	nafkiwn	ien	1980-Januav-1	idf	Combined Mat...	A A A	
1600015	kieflki	kflakiki	kifqikawe	1980-Januav-1	eirk	Combined Mat...	A A A	
1600016	fnikwenl	ewanfli	lingelw	1980-Januav-1	loefn	Combined Mat...	A A A	
1600017	FINJKK	ILEWANFIN	lentin	1980-Januav-1	inweain	Combined Mat...	A A A	
1600018	IP	LULUULLI	lui	1980-Januav-1	lui	Combined Mat...	A A A	
1600019	ekwfLnLJ	JFAFWKJ	lieII	1980-Januav-1	ID	Combined Mat...	A A A	
1600020	DASFJK	LKJAG	LFNGI	1980-Januav-1	LDIFSNIA	Combined Mat...	A A A	
1600021	asitha	sp	liqlew	1980-Januav-1	luhwauih	Combined Mat...	A A A	
1600022	kONe	:OONO:N	:on:od	1980-Januav-1	onewan	Combined Mat...	A A A	
1600023	welkk	knna	:on:ob:	1980-Januav-1	onoon	Combined Mat...	A A A	
1600024	imlsndqi	:onona	okao	1980-Januav-1	onron	Combined Mat...	A A A	
1600025	ewfrw	pierqnin	lirqin	1980-Januav-1	nr:rrna	Combined Mat...	A A A	
1600026	awbbh	uibwei:ab	nr:ohao	1980-Januav-1	akrbui	Combined Mat...	A A A	
1600027	lemfm	mweambo	emfakem	1980-Januav-1	newngew	Combined Mat...	A A A	
1600031	ewrfkh	ueriuq	efhwhb	1980-Januav-1	hefeht	Combined Mat...	A A A	

## Special Year Selected List Tab

Display all students with special year selected students.

Administrator Undergraduate Management Panel		
Undergraduate Details	Student View	Special Year Selected List
Student ID	GPA	Selected/Not Selected
1600000	3.5714285714285716	Selected
1600001	3.5	Selected
1600007	2.0	Not Selected
1600008	NaN	Not Selected
1600009	NaN	Not Selected
1600010	NaN	Not Selected
1600011	NaN	Not Selected
1600012	NaN	Not Selected
1600013	NaN	Not Selected
1600014	1.25	Not Selected
1600015	NaN	Not Selected
1600016	NaN	Not Selected
1600017	NaN	Not Selected
1600018	NaN	Not Selected
1600019	NaN	Not Selected
1600020	NaN	Not Selected
1600021	NaN	Not Selected
1600022	NaN	Not Selected
1600023	NaN	Not Selected
1600024	NaN	Not Selected
1600025	NaN	Not Selected
1600026	NaN	Not Selected
1600027	NaN	Not Selected
1600031	NaN	Not Selected

## Administrator Lecturer Management Form



The screenshot shows the 'Lecturer Management Panel' window, specifically the 'Lecturer Details' tab. The interface includes the following fields:

- Enter Lecturer ID: An input field with a 'Find' button to its right.
- Lecturer Name: An input field.
- National Identity Card Number: An input field.
- Address: An input field.
- Telephone: An input field.
- Password: An input field.

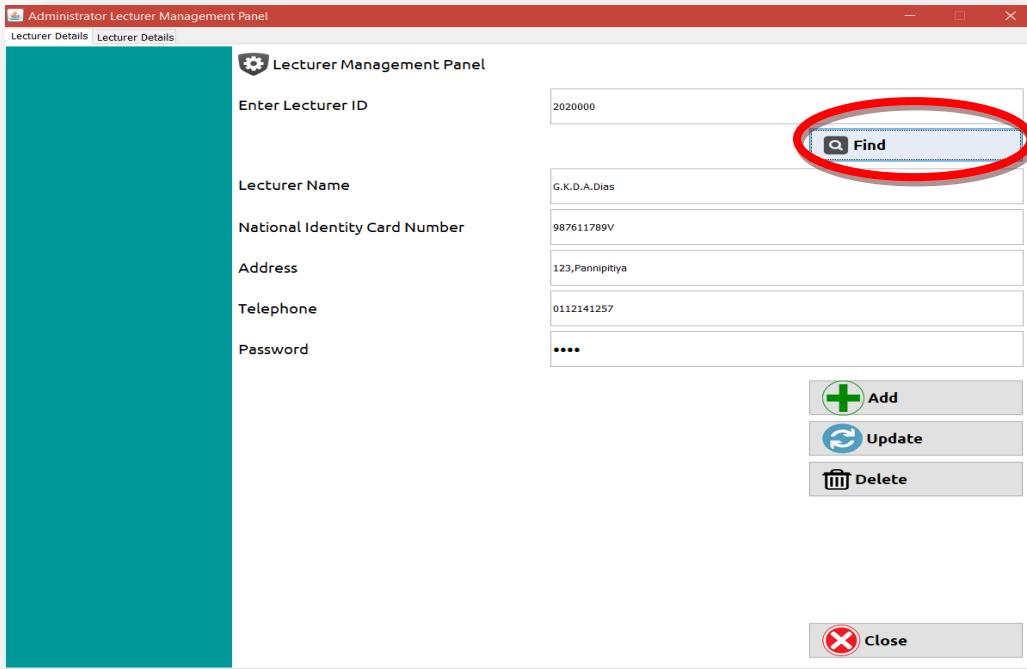
Below the input fields are three buttons:

- Add
- Update
- Delete

At the bottom right is a 'Close' button.

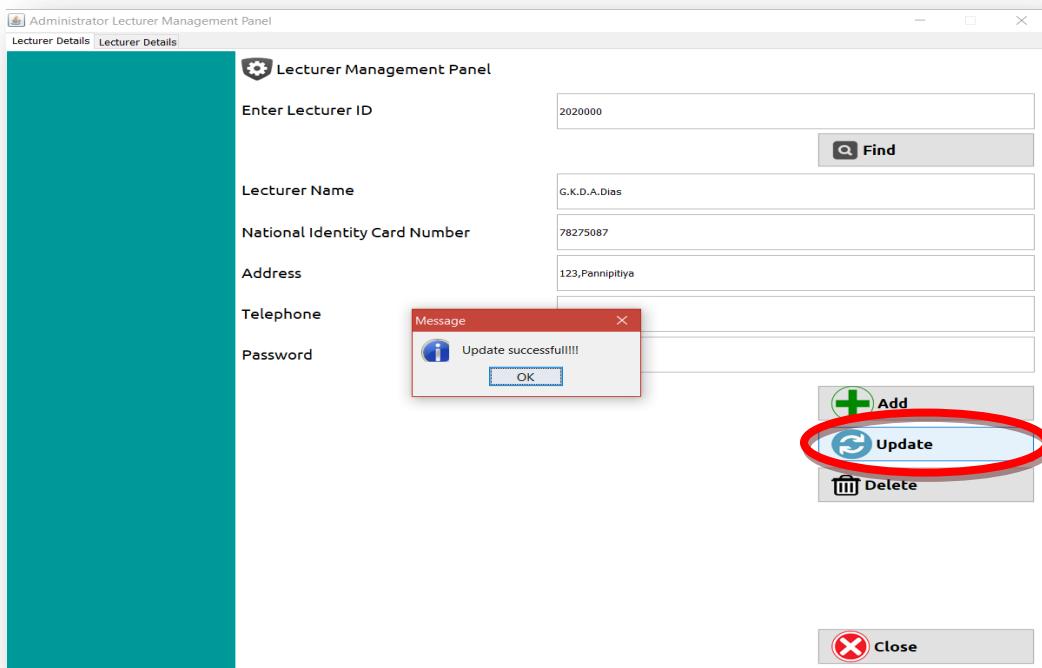
### Lecturer Details Tab

**Find** – find user entered lecturer id details.

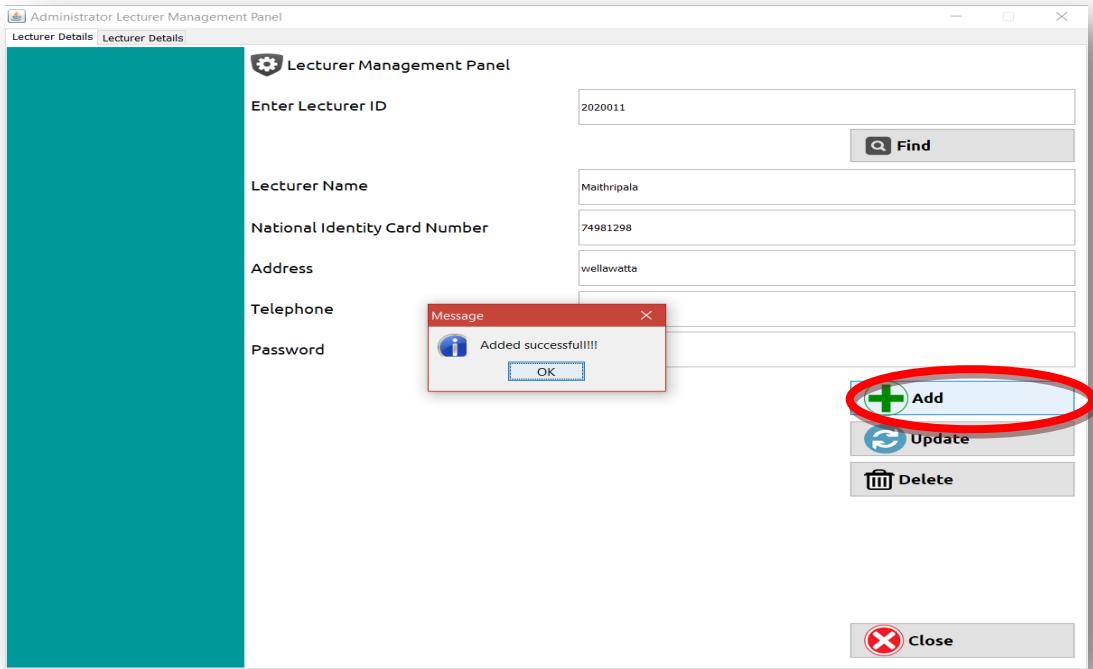


**Delete** – Delete searched lecturer.

**Update**-update searched lecturer details.



**Add**- add filled details in the fields.



## Lecturer View Tab

List all lecturers in a particular department.

Administrator Instructor Management Panel			
Instructor Update	Instructor Details		
Instructor ID 1010000 1010001	Instructor Name Ishan Sankalpa Somachandra V.Piyadasa	Instructor Address 123,Jayamawatha 123,Jayamawtha	Instructor Contact 0112141255 0112141257

## Administrator Instructor Management Form



## Instructor Management Form

The screenshot shows the 'Administrator Instructor Management Panel' window, specifically the 'Instructor Update' tab. It contains the following fields and controls:

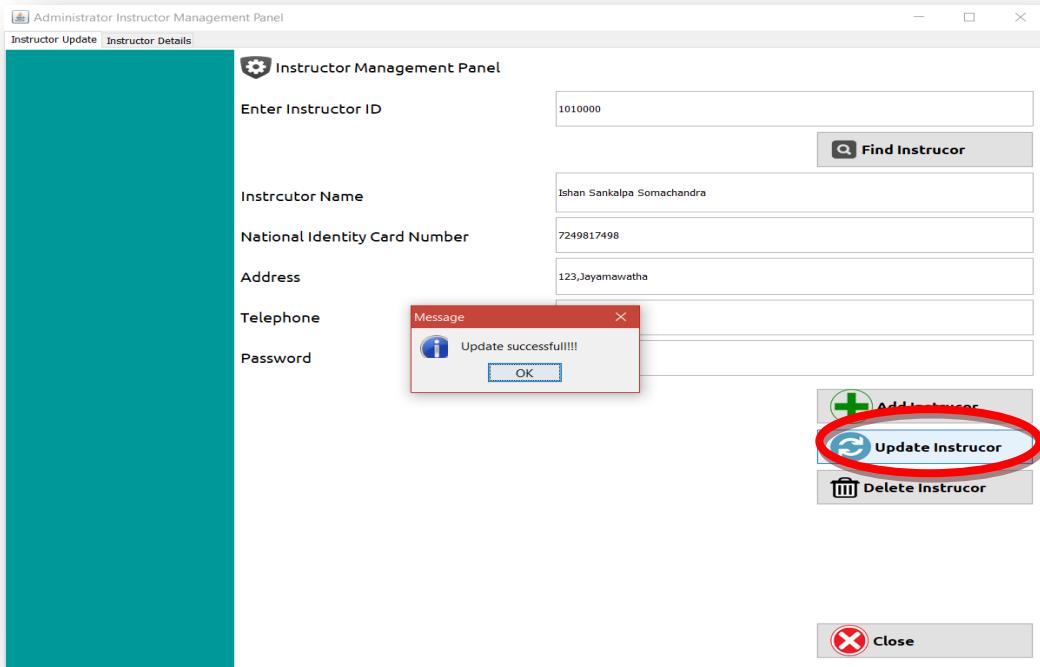
- Enter Instructor ID: An input field with a 'Find Instructor' button (magnifying glass icon) next to it.
- Instructor Name
- National Identity Card Number
- Address
- Telephone
- Password
- Action buttons:
  - Add Instructor (green plus icon)
  - Update Instructor (blue circular arrow icon)
  - Delete Instructor (trash bin icon)
- Close button (red X icon)

### Instructor Update Tab

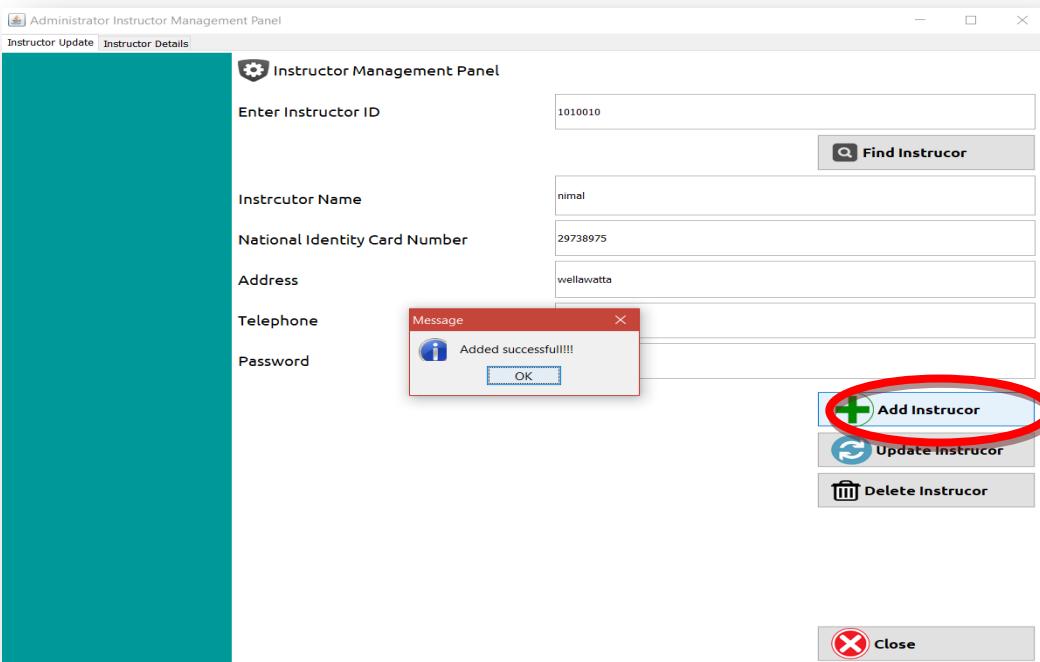
**Find** – find user entered instructor id details.

**Delete** – Delete searched instructor.

**Update**–update searched instructor details.



**Add-** add filled details in the fields



### Instructor Details Tab

List all instructors in a particular department.

## Administrator Course Management Form



### Course Tab

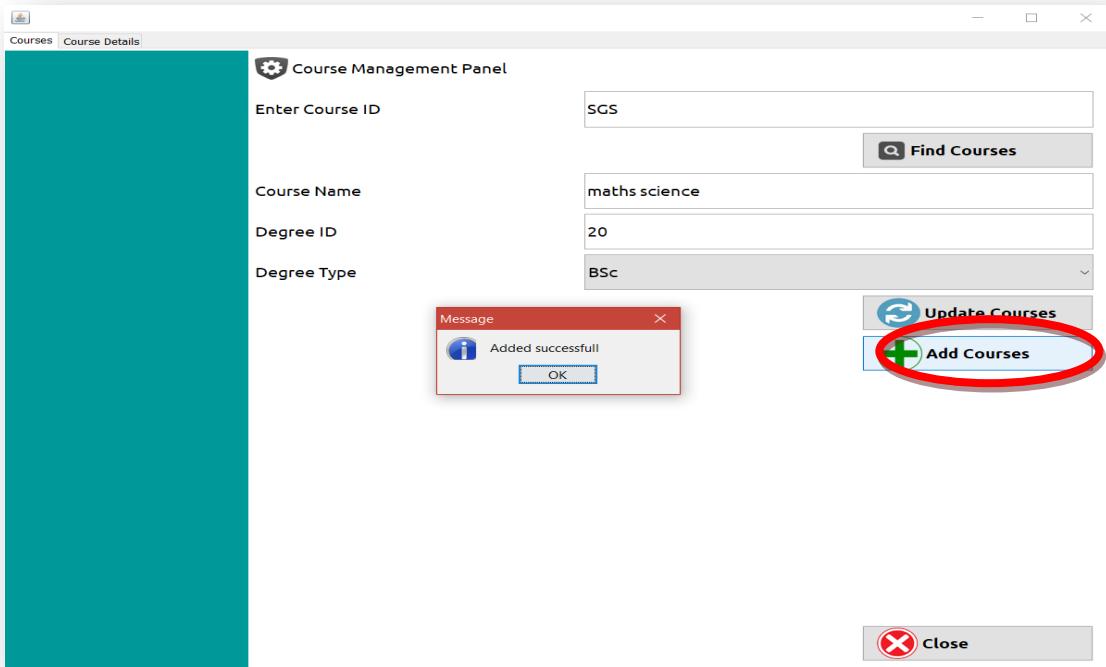
**Find Course** – find user entered course details.

The Course Management Panel interface for finding courses includes the following fields and buttons:

- Enter Course ID: SCS
- Course Name: Computer Science
- Degree ID: 21
- Degree Type: BSc
- Find Courses button (circled in red)
- Update Courses button
- Add Courses button
- Close button

**Update Course** – update searched course details.

**Add Courses** – Add user entered details about course.



## Administrator Examination Management



## Administrator Examination Management Form

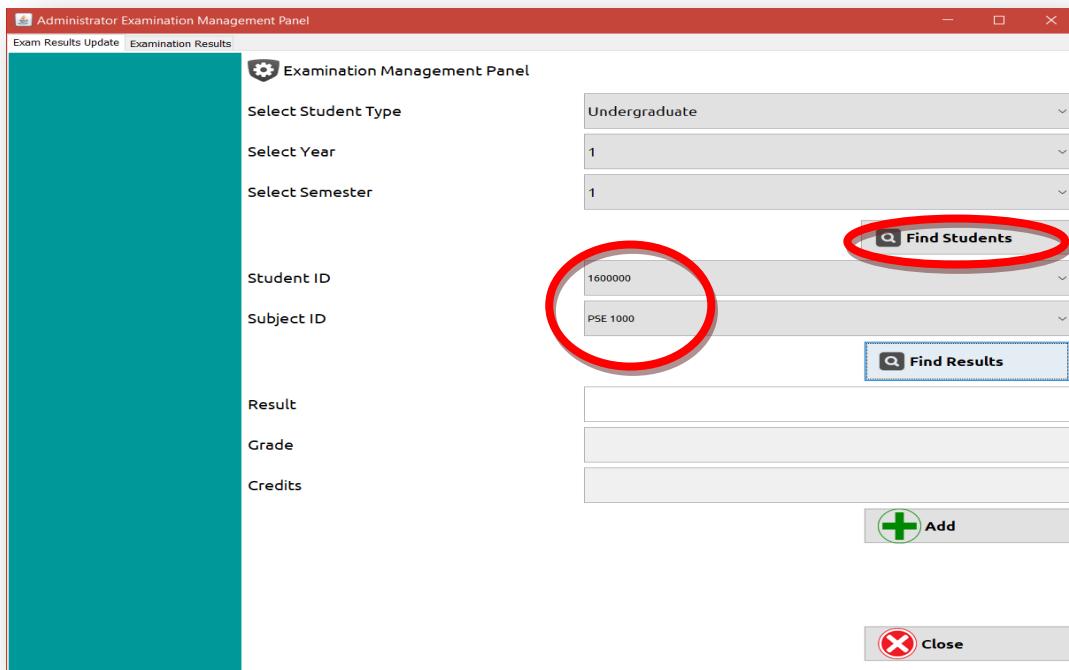
The Administrator Examination Management Panel interface is designed for updating examination results. It includes fields for selecting student type, year, and semester, as well as input fields for student ID and subject ID. Buttons for finding students and results, and an 'Add' button, are also present. A 'Close' button is located at the bottom right.

Select Student Type	Undergraduate
Select Year	1
Select Semester	1
Student ID	
Subject ID	
Result	
Grade	
Credits	

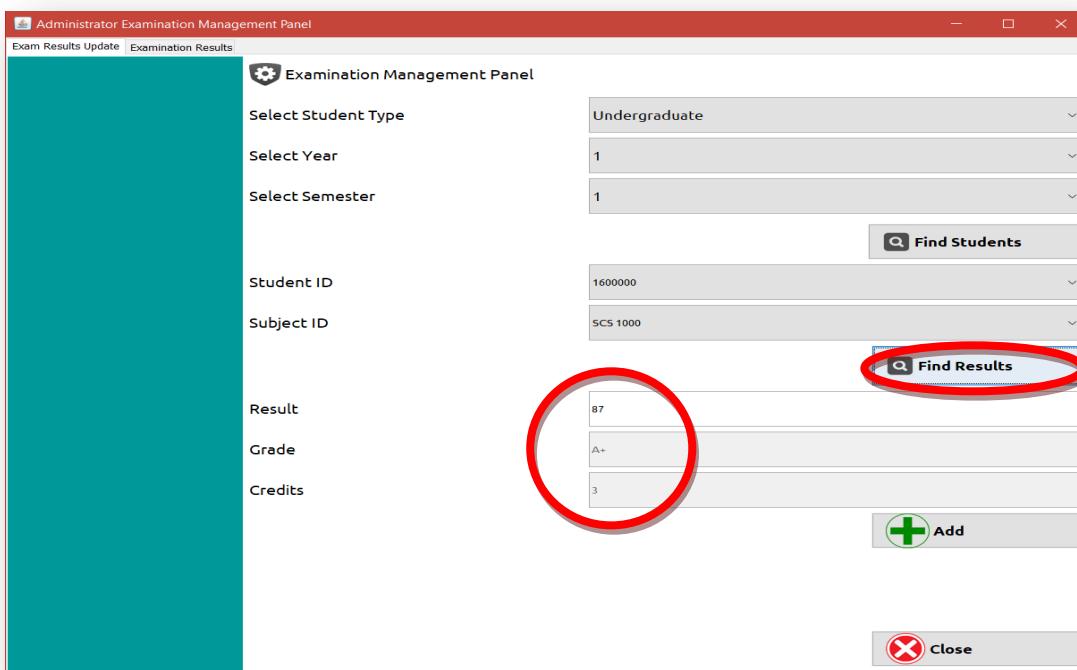
Buttons: Find Students, Find Results, Add, Close

## Exam Results Update Form

**Find Students** – display students ids and subject ids about user selected student type, year and semester.



**Find Results** – display result, grade and credits of selected student's subject id.



**Add** – add all field details entered by user.

### Examination Result Tab

Display all examination results of a student selected in **Exam Results Update Tab**.

Administrator Examination Management Panel

Exam Results Update Examination Results

Student ID	Subject ID	Result	Grade
1600000	SCS 1000	87	A+
1600000	SCS 1001	67	B
1600000	SCS 1002	97	A+
1600000	SCS 1004	45	D+
1600000	SCS 1005	78	A-
1600000	SCS 1006	58	C+
1600000	SCS 1007	60	C+

 Send Results to the user

**Send Results To The User-** send results displaying in the table to the student's email.

Administrator Examination Management Panel

Exam Results Update Examination Results

Student ID	Subject ID	Result	Grade
1600000	SCS 1000	87	A+
1600000	SCS 1001	67	B
1600000	SCS 1002	97	A+
1600000	SCS 1004	45	D+
1600000	SCS 1005	78	A-
1600000	SCS 1006	58	C+
1600000	SCS 1007	60	C+

 Send Results to the user

Google

Click here to enable desktop notifications for Gmail. [Learn more](#) [Hide](#)

Gmail ▾

Compose

Inbox (156)

Started

Sent Mail

Drafts

More labels

Asitha +

Student ID: 1600000 End Semester Examination Results Inbox X

asithaindrajithk@gmail.com

to me

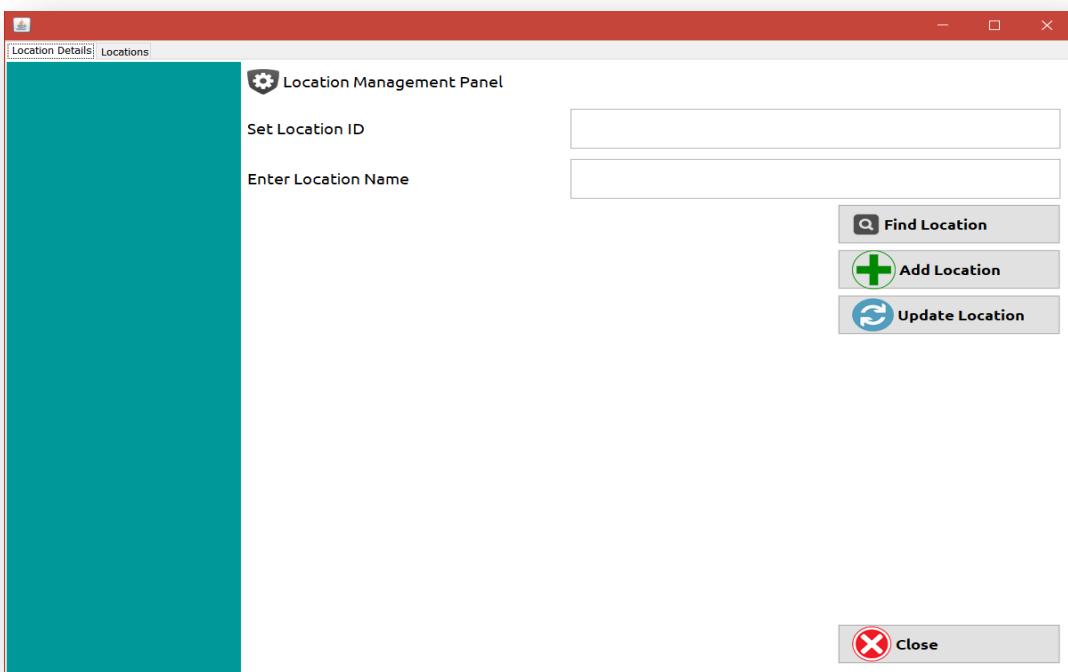
10:36 PM (0 minutes ago) Star Reply Forward

Full Name: KKD.A.K.Indrajith  
Student ID: 1600000  
Examination Results:

SCS 1000	A+
SCS 1001	B
SCS 1002	A+
SCS 1004	D+
SCS 1005	A-
SCS 1006	C+
SCS 1007	C+

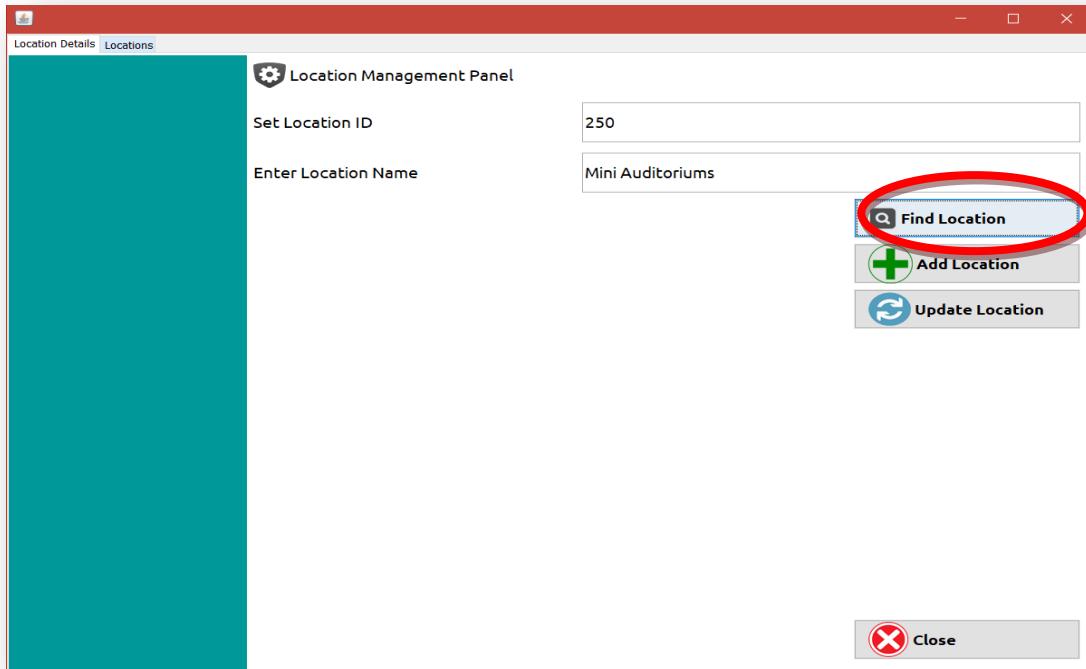
The entire email body is circled in red.

## Administrator Location Management

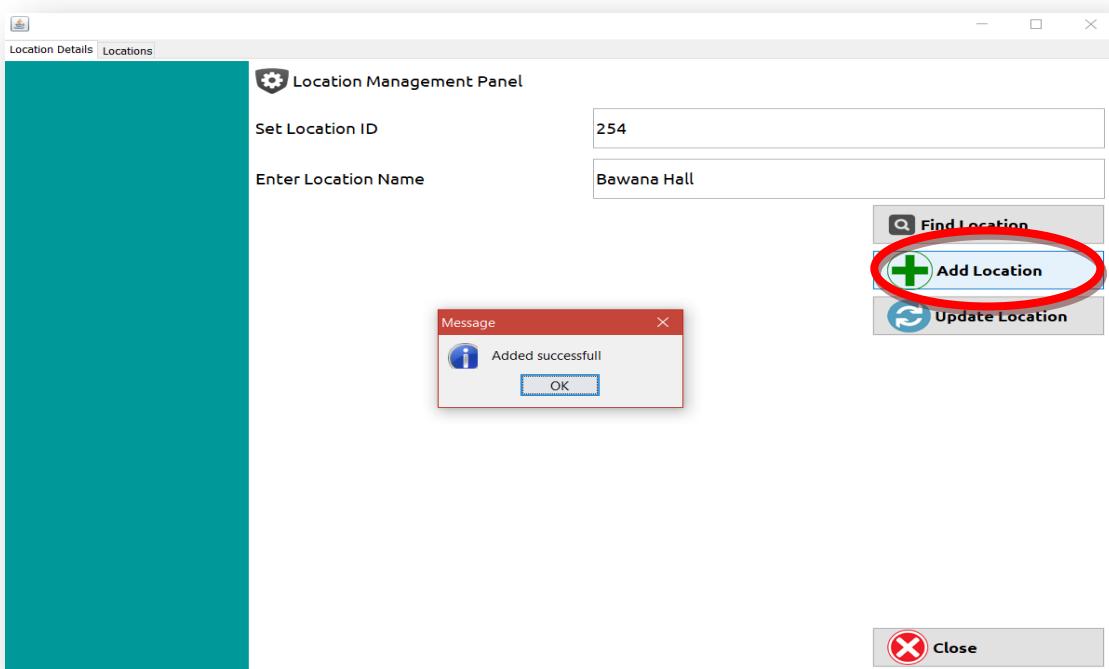


### Location Details Tab

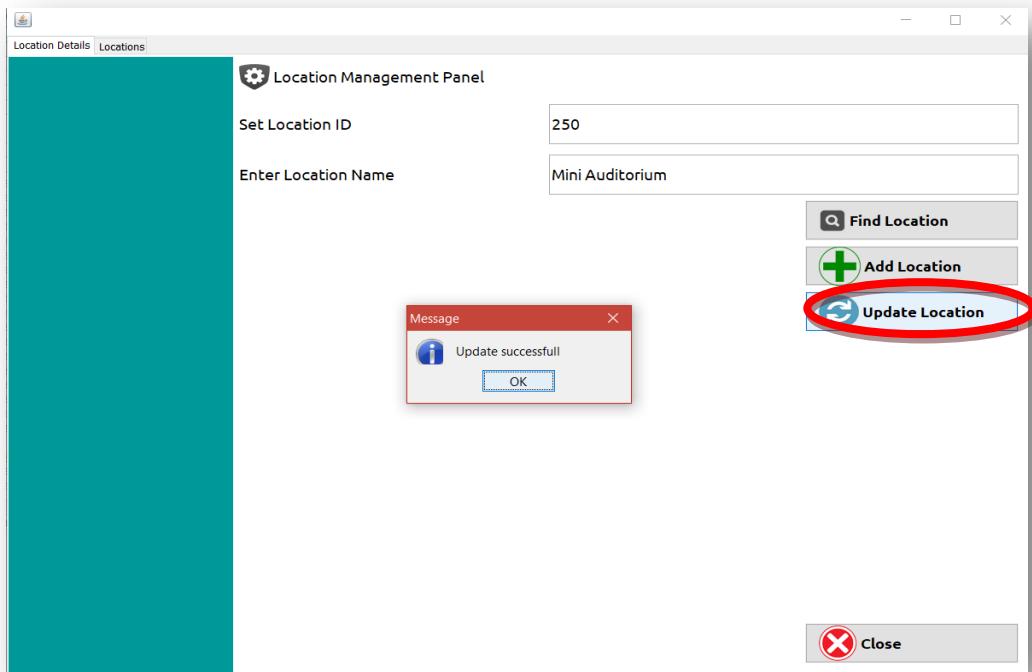
**Find Location-** Find user entered location id's name.



**Add Location-** Add user entered location's details.



**Update Location-** update searched location's details.



## Locations Tab

Display all locations in a department

Administrator Location Management Panel	
Location Details	Locations
Location ID	Location Name
250	Mini Auditorium
251	IROUE Lab
252	Lab A
253	Lab B
254	Bawana Hall

## Administrator Subject Management



The Subject Management Panel displays a form for entering subject details. The left sidebar lists fields: Subject ID, Subject Name, Subject Year, Subject Semester, Credits, Price, Course ID, and Lecturer ID. The right side contains input fields for these details, a search button, and action buttons for Add, Update, Delete, and Close.

Subject Management Panel

Enter Subject ID

Subject Name

Subject Year

Subject Semester

Credits

Price

Course ID

Lecturer ID

Find subject

Add

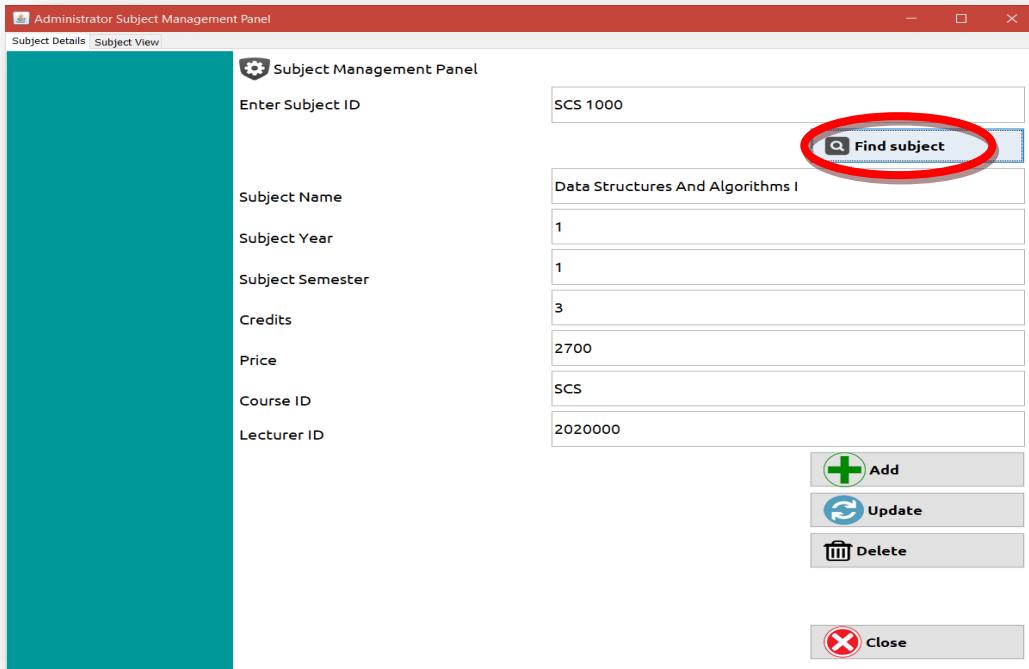
Update

Delete

Close

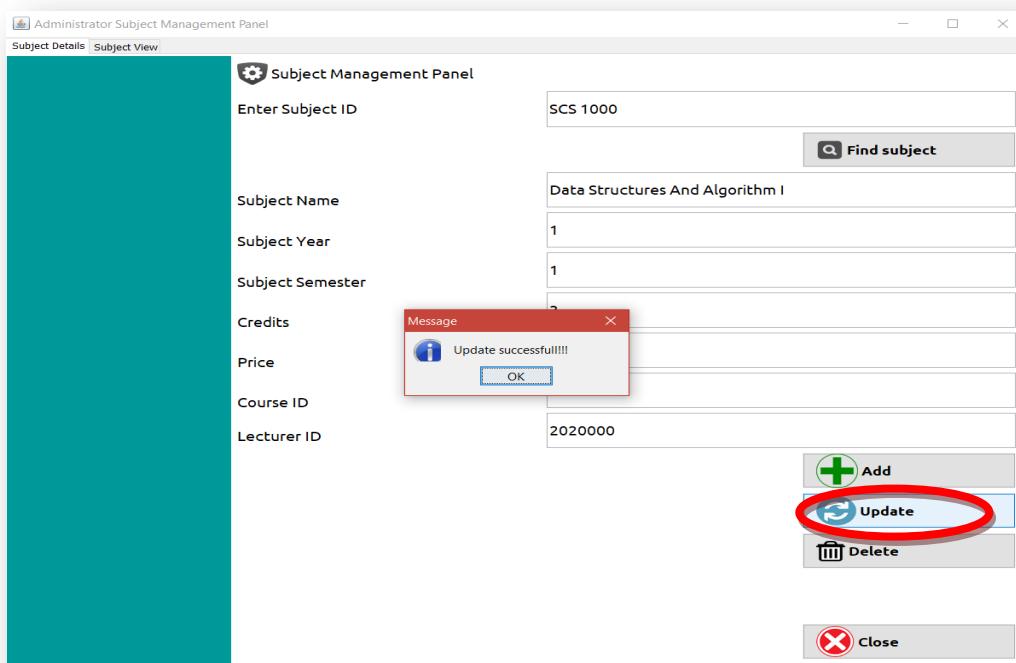
### Subject Details Tab

Find subjects – find user entered subject details.



**Add-** add user entered details.

**Update-** update searched subject's details.



**Delete-** delete searched student.

## Subject View Tab

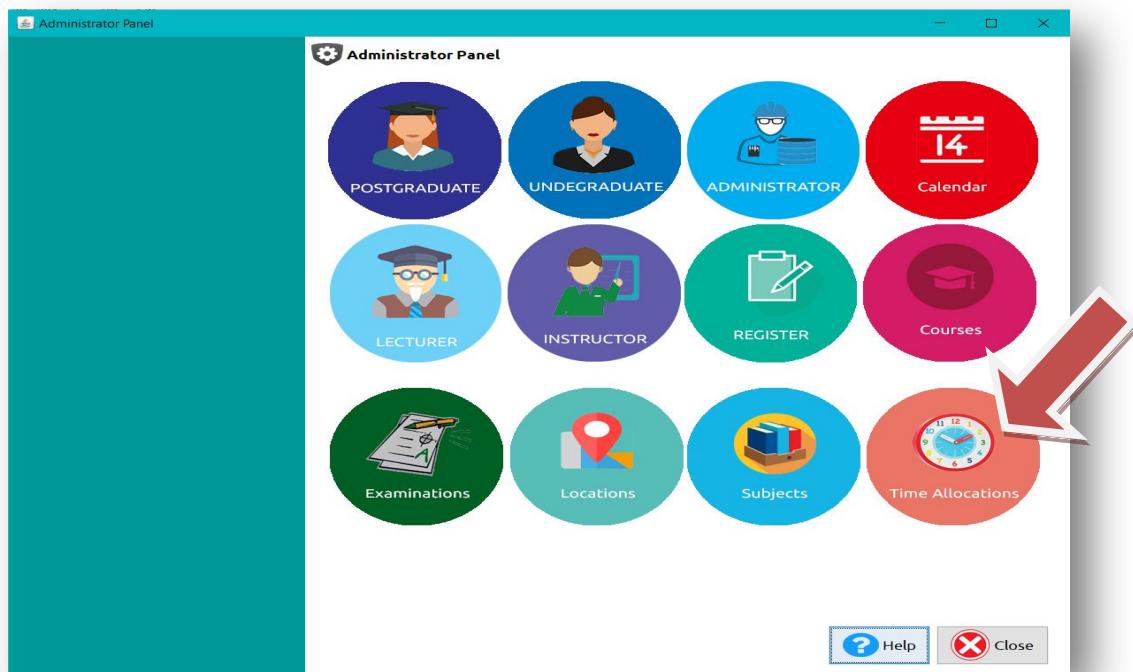
Display all subjects in a department

Administrator Subject Management Panel

Subject Details | Subject View

Student Type	Course ID	Subject ID	Subject Name	Year	Semester	Credit	Price	Lecturer ID
P	PSE	PSE 1000	SE 1	1	1	3	3000	2020010
P	PSE	PSE 1001	OS I	1	1	3	2750	2020001
P	PSE	PSE 1002	RT	1	1	3	3000	2020001
P	PSE	PSE 1003	DF	1	1	2	3500	2020000
P	PSE	PSE 1004	HU	1	1	3	4000	2020010
P	PSE	PSE 1005	HJK	1	1	3	3000	2020000
P	PSE	PSE 1006	SER	1	1	3	2500	2020001
P	PSE	PSE 1007	NML	1	1	3	3000	2020001
U	SCS	SCS 1000	Data Structures And...	1	1	3	2700	2020000
U	SCS	SCS 1001	Database I	1	1	4	2700	2020000
U	SCS	SCS 1002	Computer System I	1	1	3	2500	2020000
U	SCS	SCS 1003	Programming I	1	1	3	3000	2020000
U	SCS	SCS 1004	Enhancement I	1	1	3	2500	2020000
U	SCS	SCS 1005	Computer Network I	1	1	3	2700	2020000
U	SCS	SCS 1006	Computer Hardware I	1	1	3	2700	2020000
U	SCS	SCS 1007	Arduino I	1	1	3	2800	2020000
U	SCS	SCS 1100	Data Structures And...	1	2	3	3000	2020000
U	SCS	SCS 1101	Database II	1	2	4	3000	2020000
U	SCS	SCS 1102	Programming II	1	2	3	3200	2020000
U	SCS	SCS 1103	Computer System II	1	2	3	2700	2020000
U	SCS	SCS 1104	Computer Network II	1	2	3	2700	2020000
U	SCS	SCS 1105	Arduino II	1	2	3	3000	2020000
U	SCS	SCS 1106	Enhancement II	1	2	3	2500	2020000
U	SCS	SCS 1107	Computer Hardware II	1	2	3	2700	2020000
U	SCS	SCS 2000	SDG	2	2	3	3000	2020010

## Administrator Teaching Allocation

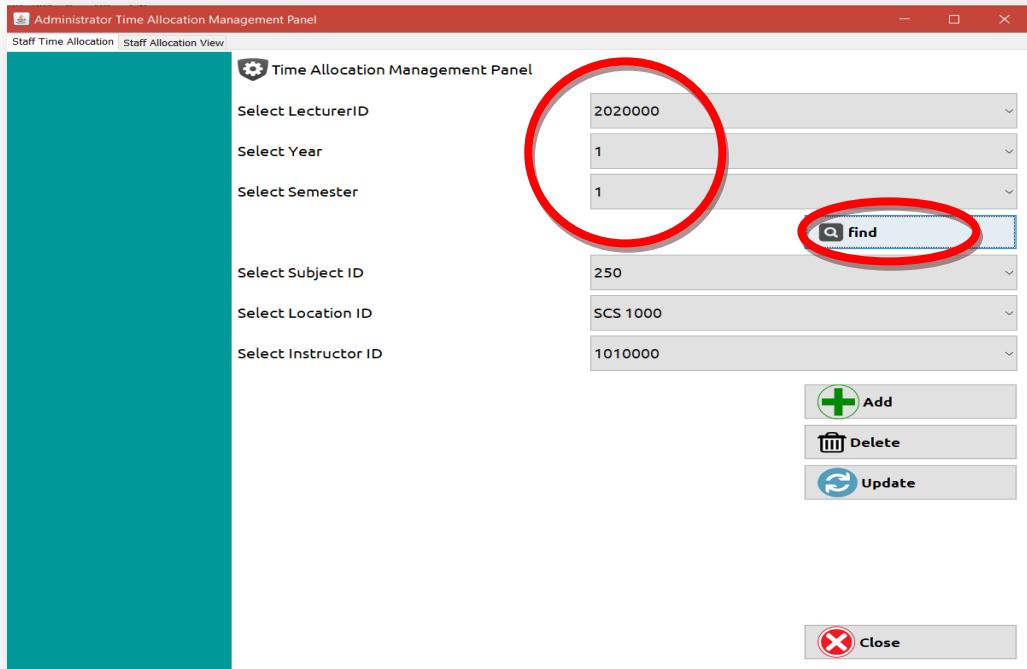


The Staff Time Allocation Management Panel interface includes the following fields and controls:

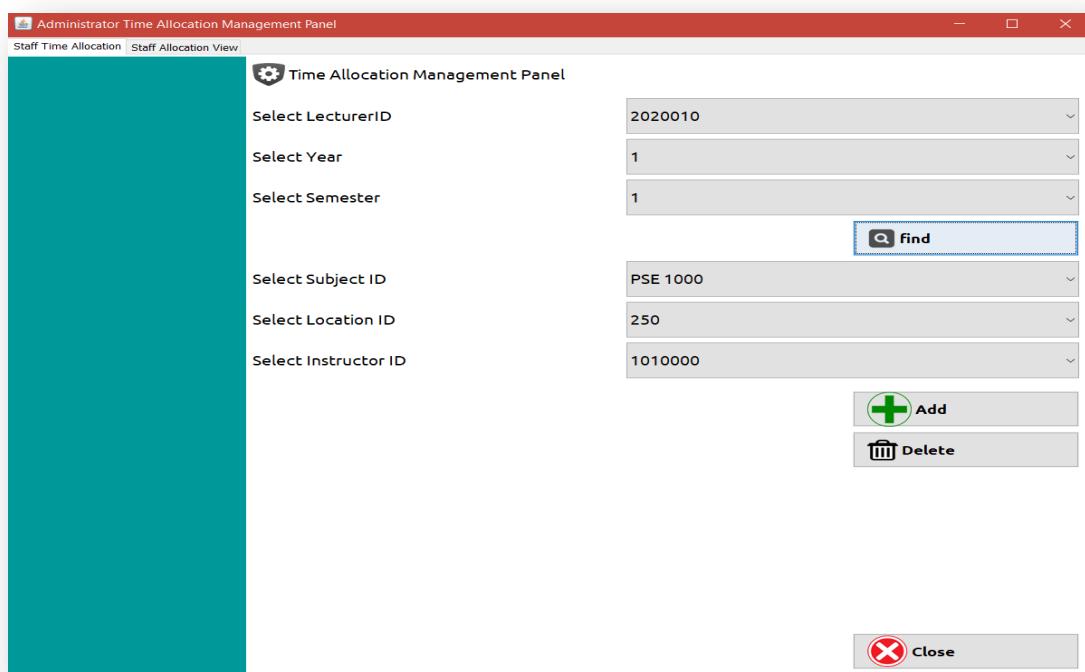
- Select LecturerID: 2020000
- Select Year: 1
- Select Semester: 1
- Select Subject ID (dropdown menu)
- Select Location ID (dropdown menu)
- Select Instructor ID (dropdown menu)
- Find button (with magnifying glass icon)
- Add button (with green plus sign icon)
- Delete button (with trash bin icon)
- Close button (with red X icon)

### Staff Time Allocation Tab

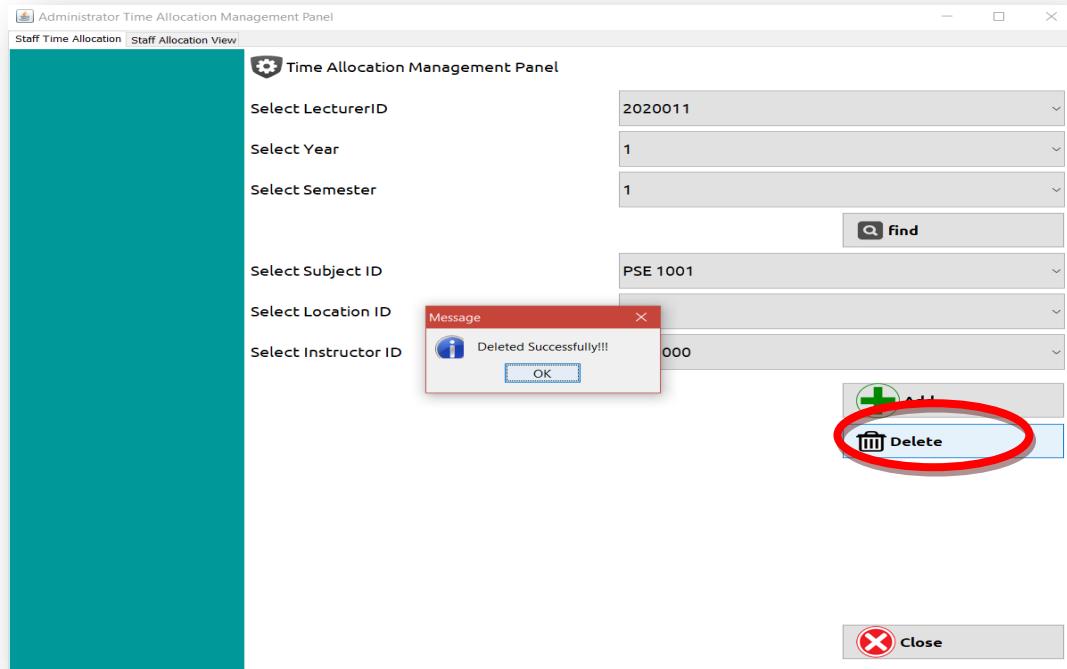
**Find** – find allocated subjects, locations and instructors for given lecturer id, year and semester.



**Add** – add entered details.



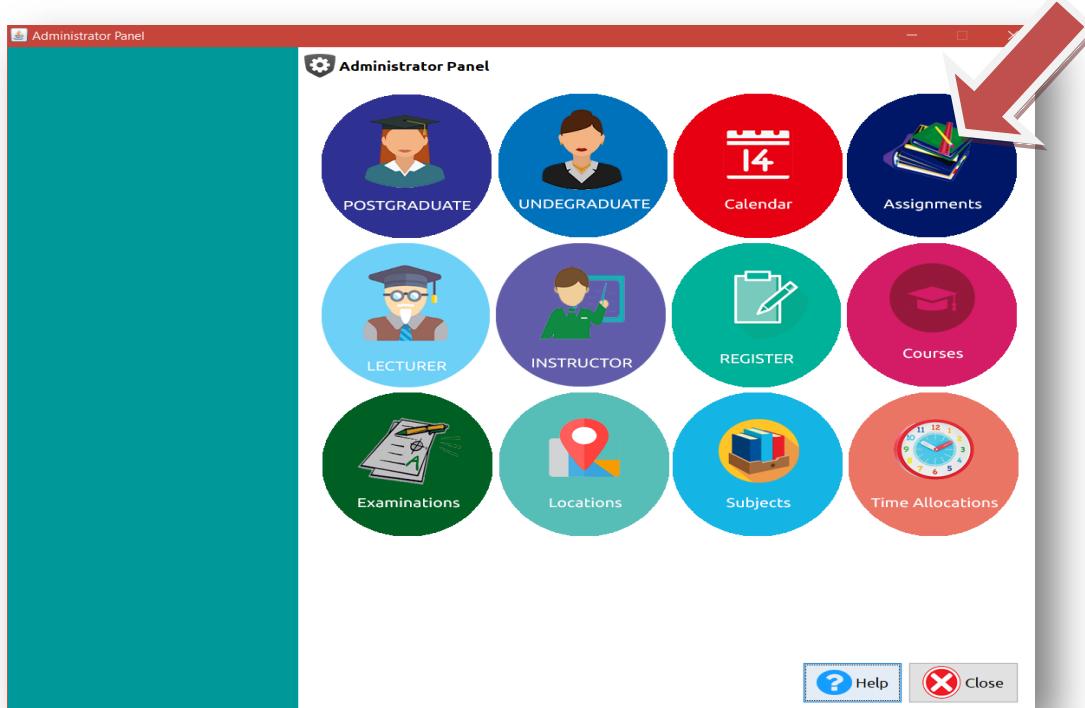
**Delete** – delete searched time allocation details.



### Staff Time Allocation View Tab

Display all, time allocations details of selected lecture in **Staff Time Allocation Tab**.

## Administrator Assignment Results Management



## Administrator Assignment Grades Management Form

The screenshot shows a software interface titled "Administrator Assignment Result Management Panel". It has a header bar with tabs: "Assignment Results" (selected) and "Assignment Results". The main area is titled "Assignment Result Management Panel". It contains several input fields and dropdown menus:

Field	Value
Select Student Type	Undergraduate
Select Year	1
Select Semester	1
Student ID	(empty)
Subject ID	(empty)
Assignment Type	In Class
Assignment ID	(empty)
Result	(empty)
Grade	(empty)

Below the fields are several buttons: "Find Students" (with a magnifying glass icon), "Find Results" (with a magnifying glass icon), "Add Results" (with a green plus sign icon), and a "Close" button.

Administrator Assignment Result Management Panel

Assignment Results Assignment Results

Assignment Result Management Panel

Select Student Type Undergraduate

Select Year 1

Select Semester 1

Find Students

Student ID 1600000

Subject ID SCS 1000

Assignment Type In Class

Find Results

Assignment ID

Result

Grade

Add Results

Close

1600000

SCS 1000

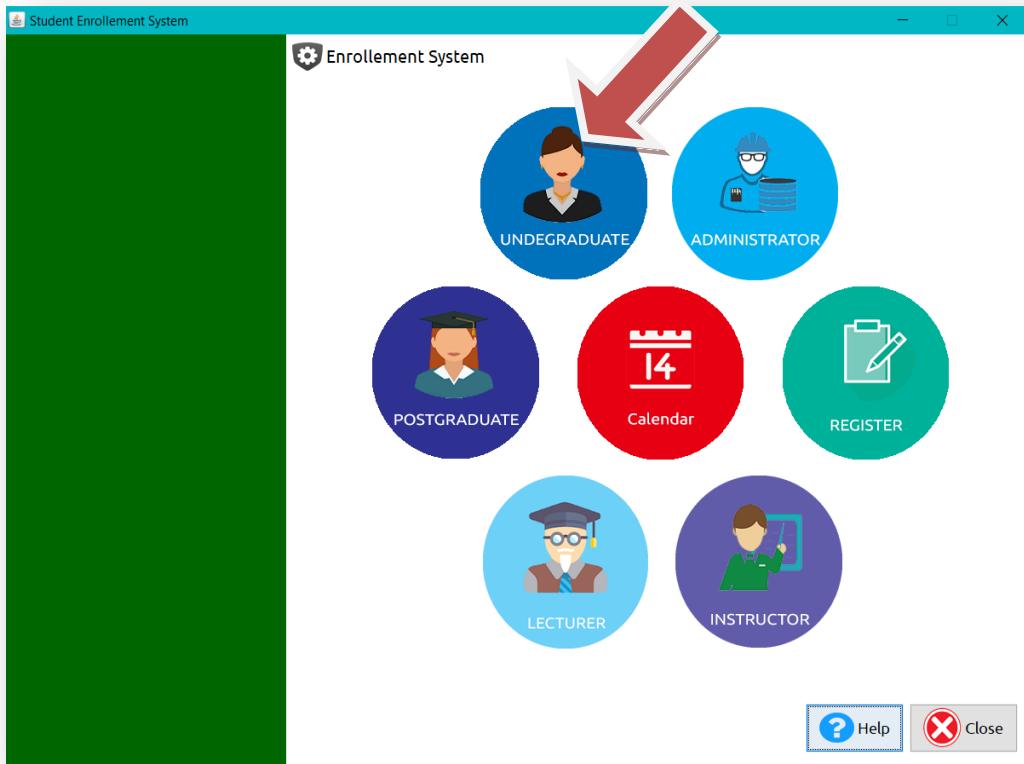
In Class

Administrator Assignment Result Management Panel

Assignment Results Assignment Results

Student ID	Subject ID	Assignment ID	Assignment Type	Result	Grade
1600000	SCS 1000	11000110	In Class	51	C
1600000	SCS 1000	11000111	In Class	78	A-
1600000	SCS 1000	11000112	In Class	67	B

## Undergraduate



### Undergraduate Login Form

The image shows the "Undergraduate Login" form window. The title bar at the top says "Undergraduate Login". Below the title bar, there are two buttons: "Undergraduate Login" (highlighted in blue) and "Forgot your password?". The form itself has the following fields and controls:

- Username:** A text input field.
- Password:** A text input field.
- Select Department:** A dropdown menu currently set to "School Of Computing".
- Sign In:** A button with a sign-in icon and the text "Sign In".
- Renew:** A button with a renew/clock icon and the text "Renew".
- Close:** A button with a close/X icon and the text "Close".

**Sign In** – When user provides username, password and department system will display **Undergraduate Management Panel**.

**Renew**– When user provides username, password and department system display renew course form.

**Close**- user can close the form using close button and go back to **Main Page**.

## Undergraduate Personal Details Management Form

The screenshot shows a window titled "Undergraduate Management Panel" with a tab bar at the top containing "Undergraduate Details", "Exam Results", and "Assignment Results". The main content area is titled "Personal Details". It contains five input fields with the following data:

Name	K.K.D.A.K.Indrajith
Phone	0112141257
National Identity Card	952611224V
Address	1995-September-17
Date Of Birth	1995-September-17

Below these fields are two buttons: "Edit Details" and "Update Details". Further down, there is a "Change Password" section with two input fields for "Type your password" and "Retype password", followed by a "Change Password" button and a "Close" button.

### Undergraduate Details Tab

**Edit Details** – give access to edit personal details.

This screenshot is similar to the previous one, showing the "Personal Details" tab. However, the "Phone" field (containing "0112141257") and the "Edit Details" button are circled in red to indicate they have been modified or are the focus of the action.

**Update Details**- update edited details.

### Exam Results Tab

Display all exam results of the student

 Undergraduate Management Panel

Undergraduate Details | Exam Results | Assignment Results

Student ID	Subject ID	Result	Grade	Year	Semester
1600000	SCS 1000	87	A+	1	1
1600000	SCS 1001	67	B	1	1
1600000	SCS 1002	97	A+	1	1
1600000	SCS 1004	75	D+	1	1
1600000	SCS 1005	79	C-	1	1
1600000	SCS 1006	58	C+	1	1
1600000	SCS 1007	60	C+	1	1

## Assignment Results Tab

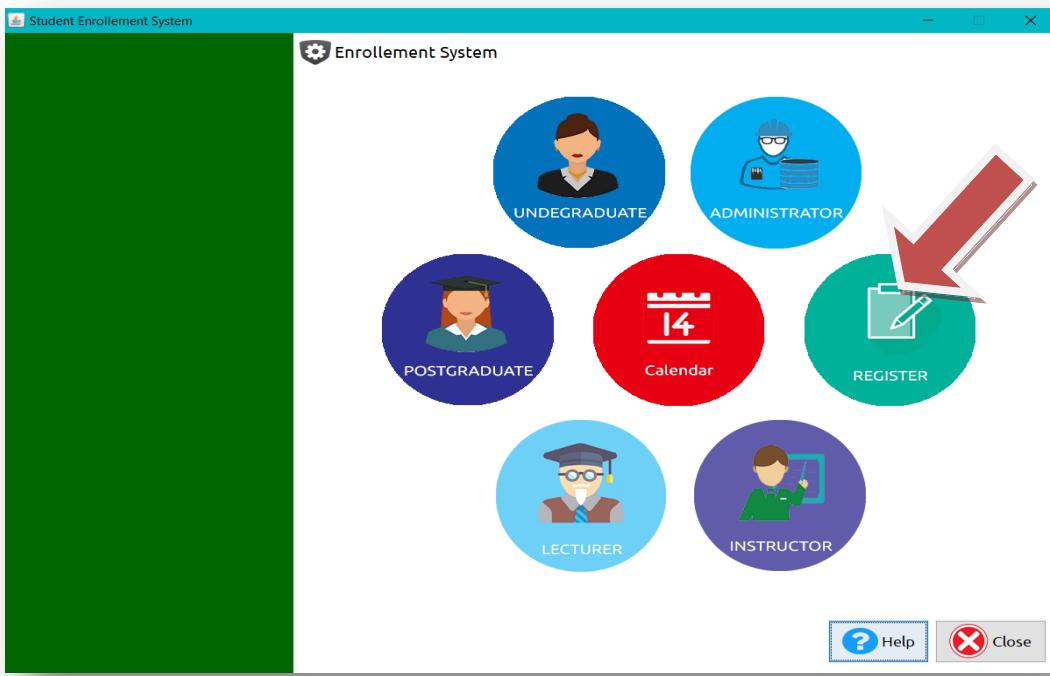
Display all assignment results of a student.

 Undergraduate Management Panel

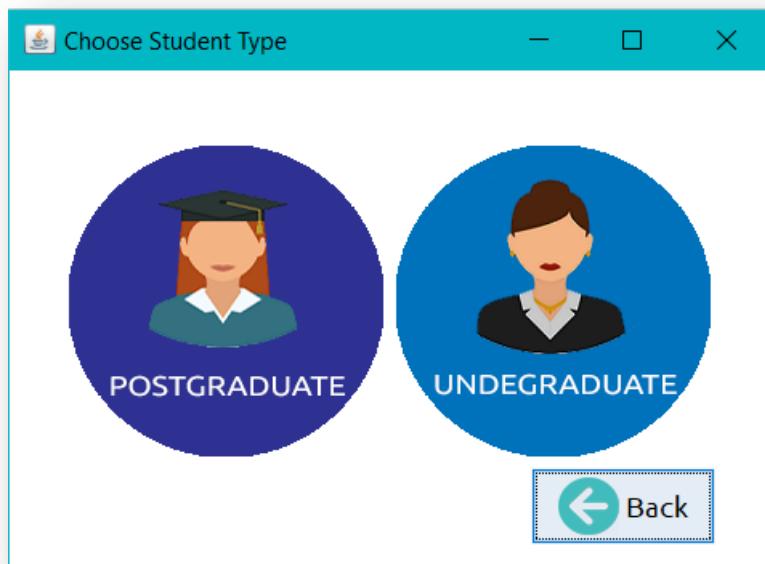
Undergraduate Details | Exam Results | Assignment Results

Student ID	Subject ID	Assignment ID	Assignment Type	Result	Grade	Year	Semester
1600000	SCS 1000	11000110	In Class	51	C		
1600000	SCS 1000	11000111	In Class	78	A-		
1600000	SCS 1000	11000112	In Class	67	B		
1600000	SCS 1000	11000113	Practical	45	D+		
1600000	SCS 1001	1004577	In Class	79	A-		

## Register



**Choose Student Type Form**



**Back** – go back to **Main Page**.

**Postgraduate** – display postgraduate register form.

**Undergraduate** – display undergraduate register form.

## Undergraduate Personal Details Register Form

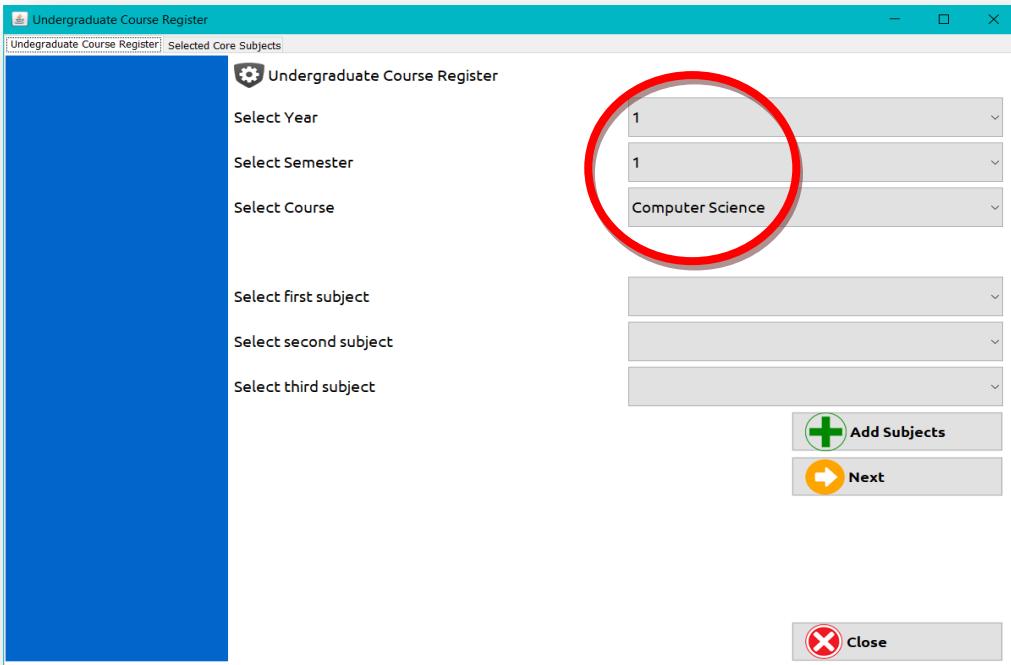
The screenshot shows the 'Undergraduate Personal Details Register' window. It contains fields for Full Name, National Identity Card Number, Date Of Birth (with dropdowns for year, month, and day), Address, Telephone, Email, Education Qualifications (set to Advance Level), Examination Index Number (set to Advance Level), Advance Level Stream (set to Combined Mathematics), and Select Department (set to School Of Computing). At the bottom right are 'Next' and 'Close' buttons, with 'Next' being highlighted by a red circle.

**Close**- Close registration and go back to **Main Page**.

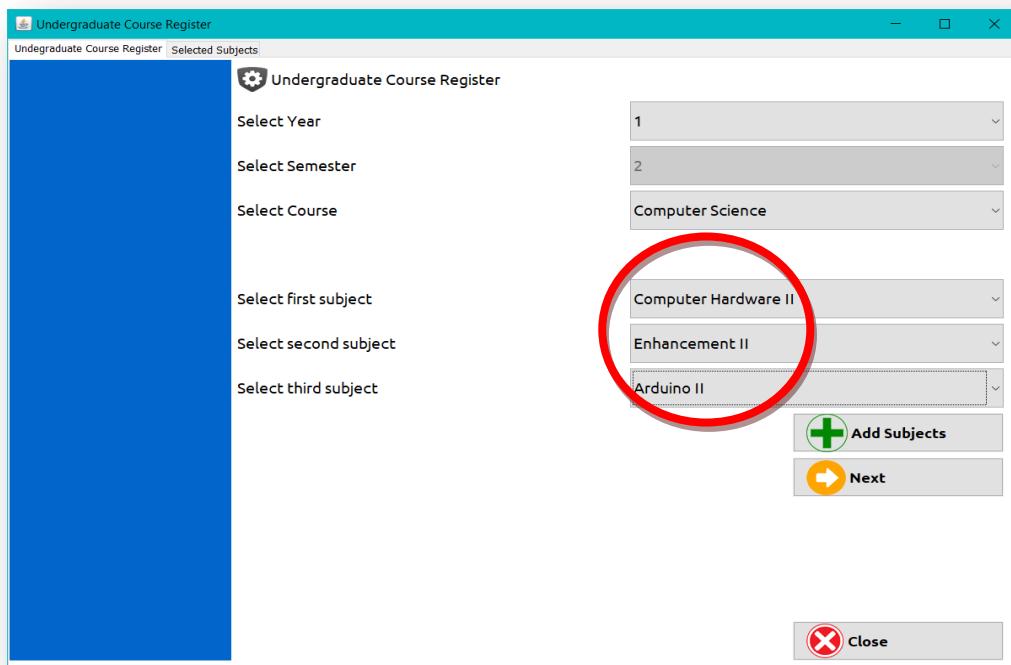
**Next** – add user filled relevant details. System will display ID and password of that student and display the **Course Registration Form**.

The screenshot shows the same form as above, but with a message box overlaid. The message box contains an info icon and the text: 'Your ID: 1600028' and 'Your password: NIC number'. It has an 'OK' button. The 'Next' button at the bottom right is highlighted by a red circle. The rest of the form fields are visible, including the ones filled with sample data from the first screenshot.

## Undergraduate Course Registration Form



**Select Course Menu** – When user clicks on a particular course after selecting year and semester system displays set of subjects. And four core subjects will added to user.



**Close**- Close registration and go back to **Main Page**.

**Add Subjects** – after user selected three different courses, selected optional courses added to user. And display in **Selected Subjects Tab**. And also email will send to user email about chosen subjects.

Undergraduate Course Register				
Undergraduate Course Register		Selected Subjects		
Subject ID	Subject Name	Semester	Year	Price
SCS 1100	Data Structures And Algorithms II	2	1	3000
SCS 1101	Database II	2	1	3000
SCS 1102	Programming II	2	1	3200
SCS 1103	Computer System II	2	1	2700
SCS 1107	Computer Hardware II	2	1	2700
SCS 1106	Enhancement II	2	1	2500
SCS 1105	Arduino II	2	1	3000

Total Payment 20100.0

Invoice ID: 1600027

asithaindrajithk9@gmail.com

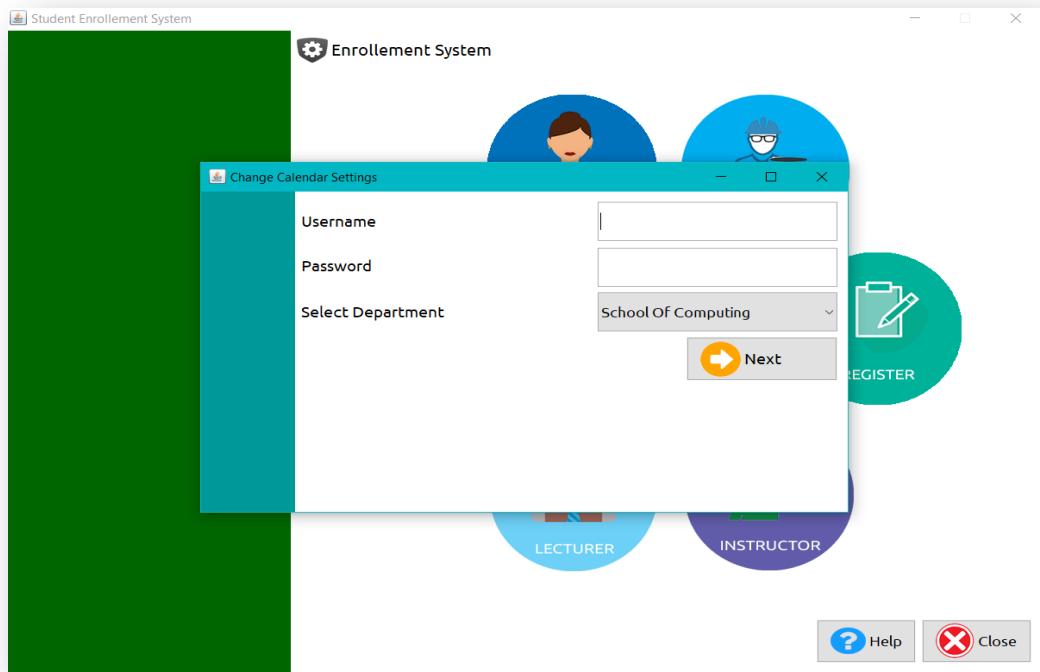
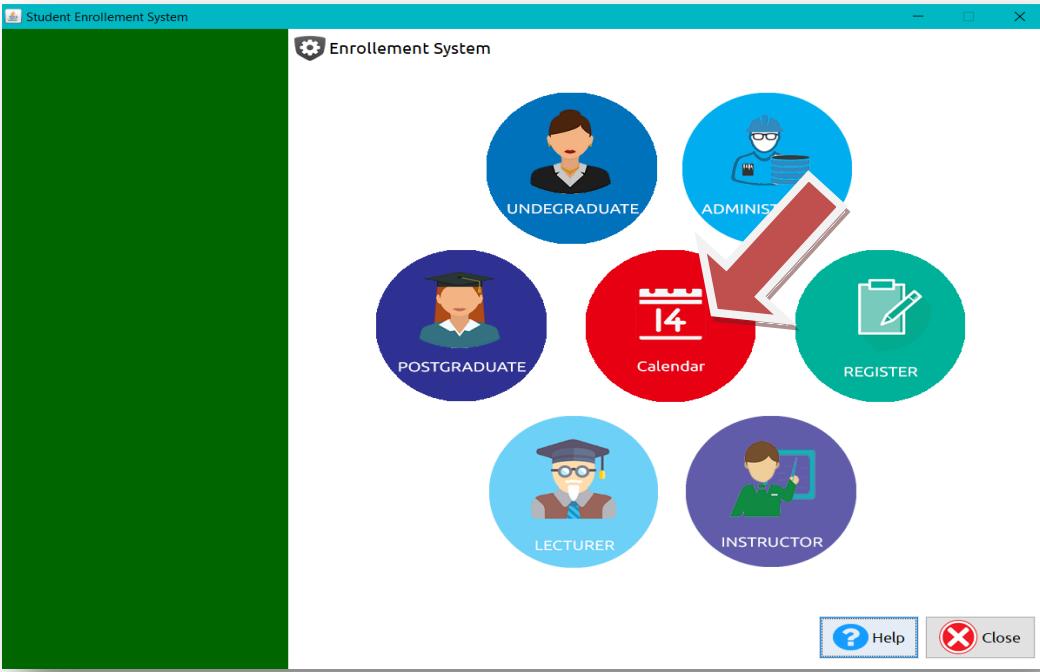
to me

Aug 13 (3 days ago)

Full Name: lemfm  
 Season: July  
 Subject Details:  
 Data Structures And Algorithms II 3000  
 Database II 3000  
 Programming II 3200  
 Computer System II 2700  
 Computer Hardware II 2700  
 Enhancement II 2500  
 Arduino II 3000  
 Total payment: 20100.0

**Next – selected subjects will add to database.**

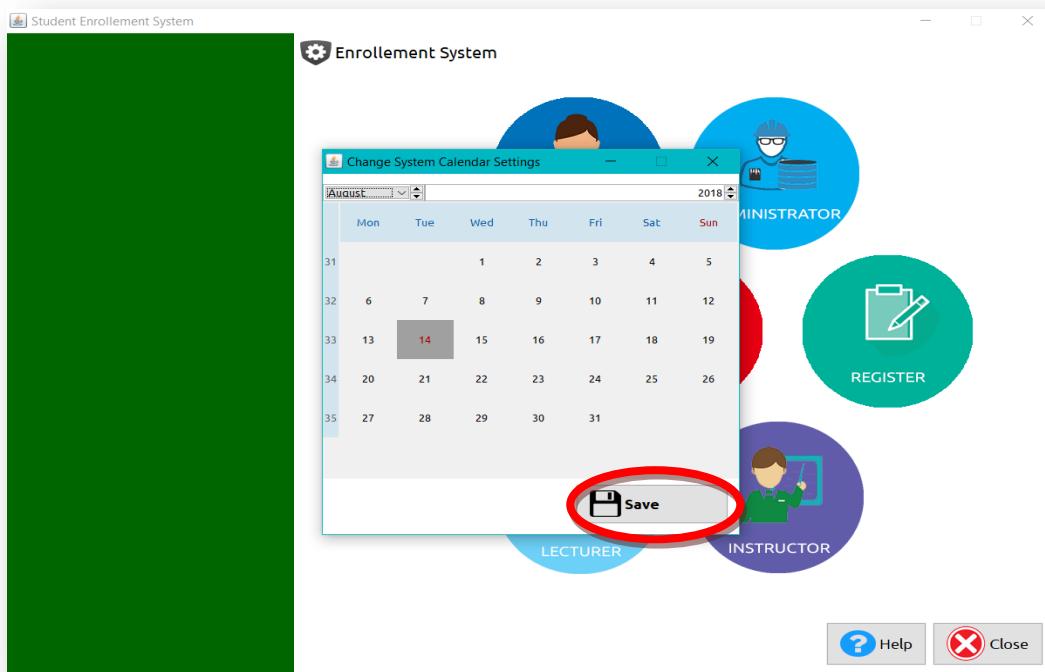
## Calendar



**Next** – after user provided administrator login details system will display system calendar.

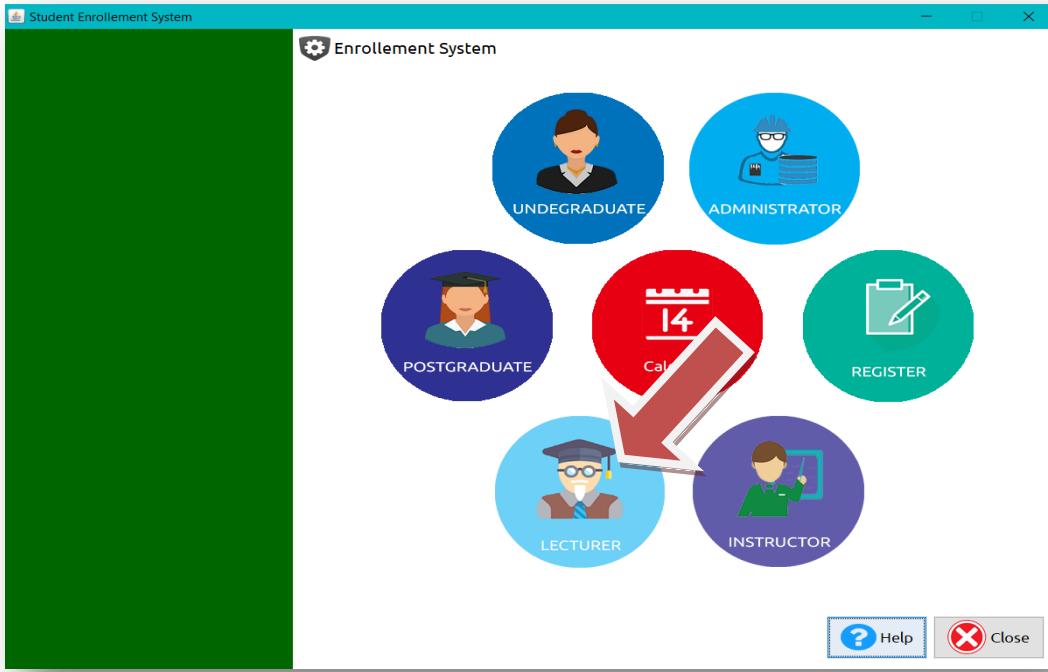
**Close**- go back to **Main Page**.

## Change System Date Form



**Save** – add user selected date as current date.

## Lecturer



**Lecturer Login Form**

The image shows the "Lecturer Login" form. The title bar says "Lecturer Login". The form has three input fields: "Username" (text input field), "Password" (text input field), and "Select Department" (dropdown menu set to "School Of Computing"). Below these is a "Sign In" button with a right-pointing arrow icon. At the bottom right is a "Close" button with a red X icon.

**Close** – go back to **Main Page**.

**Sign In** – using user provided username, password and department displays **Lecturer Home Form**.

## Lecturer Home Form

The screenshot shows a window titled "Lecturer Management Panel". The "Lecturer Details" tab is active. The form contains fields for Personal Details (Name: G.K.D.A.Dias, Phone: 0112141257, National Identity Card: 987611789V, Address: 123,Pannipitya, Email: [redacted]), Change Password (Type your new password, Re type your new password), and buttons for Edit Details, Update Details, Change Password, and Close.

Name	G.K.D.A.Dias
Phone	0112141257
National Identity Card	987611789V
Address	123,Pannipitya
Email	[redacted]

**Personal Details**

**Change Password**

Type your new password  
Re type your new password

**Edit Details**  
**Update Details**  
**Change Password**  
**Close**

### Lecturer Details Tab

**Edit Details** – give access to edit personal details.

**Update Details**- update edited details.

**Close**- go back to **Main Page**.

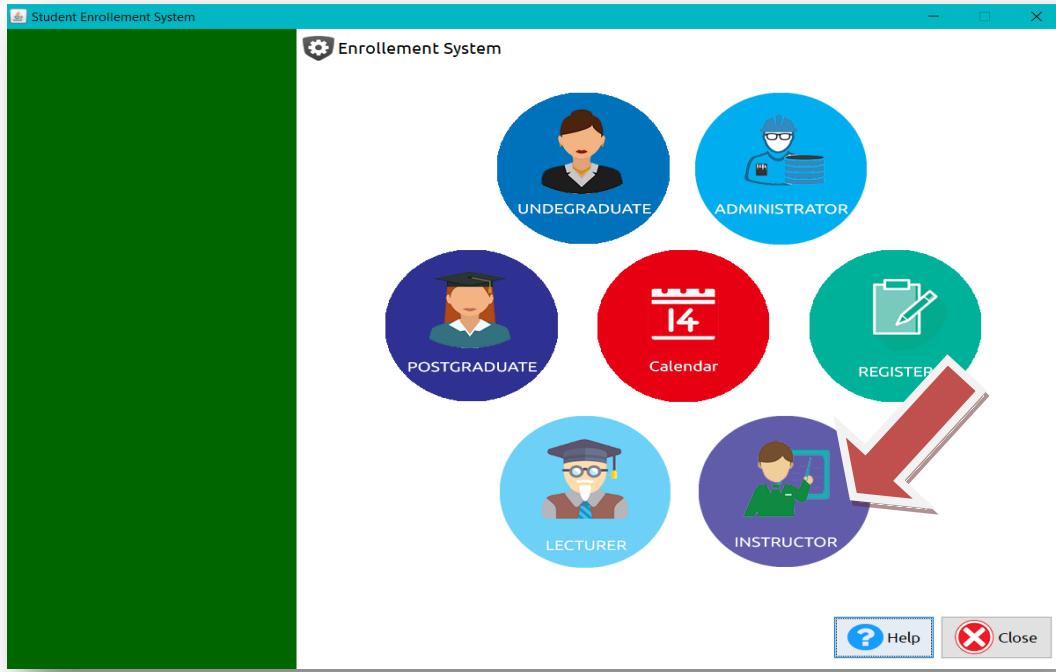
### Time Allocation Tab

Display teaching allocation details for the lecturer.

The screenshot shows a window titled "Lecturer Management Panel". The "Time Allocation" tab is active. The interface displays a table with columns: Lecturer ID, Year, Semester, Subject ID, Location ID, and Instructor ID. The rows are currently empty.

Lecturer ID	Year	Semester	Subject ID	Location ID	Instructor ID

## Instructor



**Instructor Login Form**

The image shows the Instructor Login Form window. The title bar reads "Instructor Login". The form consists of the following fields:

- Username: An input field.
- Password: An input field.
- Select Department: A dropdown menu currently set to "School Of Computing".
- Sign In: A button featuring a right-pointing arrow icon and the text "Sign In".
- Close: A button featuring a red X icon and the text "Close".

**Close** – go back to **Main Page**.

**Sign In** – using user provided username, password and department displays **Instructor Home Form**

Instructor Management Panel

Instructor Personal Details | Time Allocation

**Personal Details**

Name	Ishan Sankalpa Somachandra
Phone	0112141255
National Identity Card	952611226V
Address	123,Jayamawatha

**Edit Details**

**Update Details**

**Change Password**

Type your new password

Re type your new password

**Change Password**

**Close**