SILICON INSTITUTE OF TECHNOLOGY

SUMMER INTERNSHIP PROGRAM

Course Name : PYTHON Programming

Conducting Institute: LIT BBSR

Trainer : Mr. Sritam Das

Course Duration: 30 days

Presented by:

Uttam Sundar Ray

SIC: 180310060

Branch : CSE

Section:A

TOPICS COVERED DURING TRAINING

1. **Introduction to Python**
2. **Operators, Datatypes**
3. **Control Structures, Control Statements**
4. **Functions**
5. **Class and Objects**
6. **Data members,Methods**
7. **Constructor and Destructor**
8. **Garbage Collector**
9. **Operator Overloading**
10. **Type Conversion**
11. **Relations(is-a & has-a)**
12. **File handling**
13. **Exception Handling**
14. **Multi-Processing**
15. **SQL Database**
16. **GUI Programmming**

PROJECT USING GUI AND MySQL DATABASE

Name of Project: Student & Staff Database Management System

Users & Their Powers :

- **Admin:**
  - **Can Delete and Add Staff from the Database**
  - **Can Delete/Add Student Entry(s) if Staff is Absent**

- **Staff/Faculty :**
  - **Can Display the Staff and Student Entries**
  - **Can Delete or Add Student entry(s) from Database**

- **Anyone :**
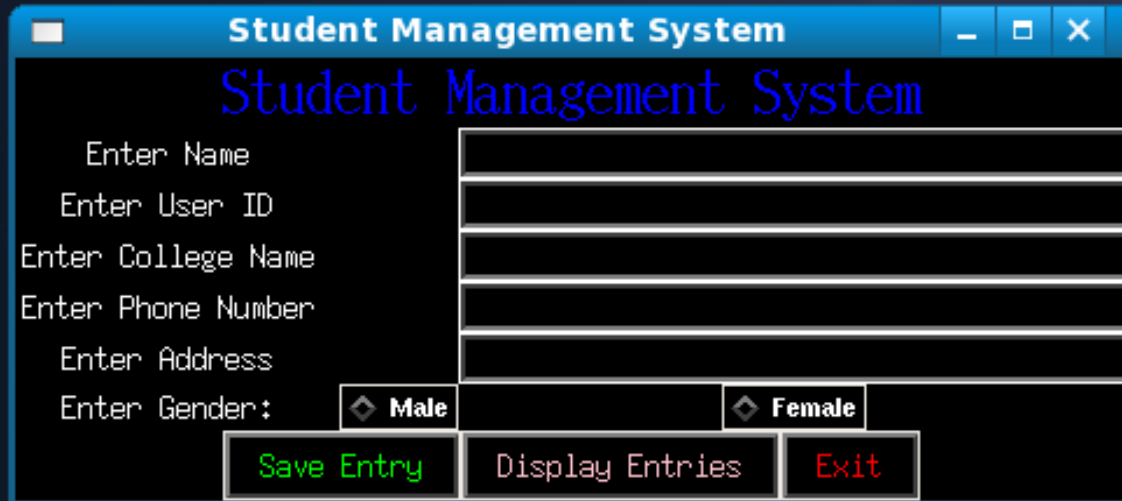 - **Can Add Students**
  - **Can Display Student and Staff Entries**

WELCOME PAGE

Allows to Access Student and Employee Portal
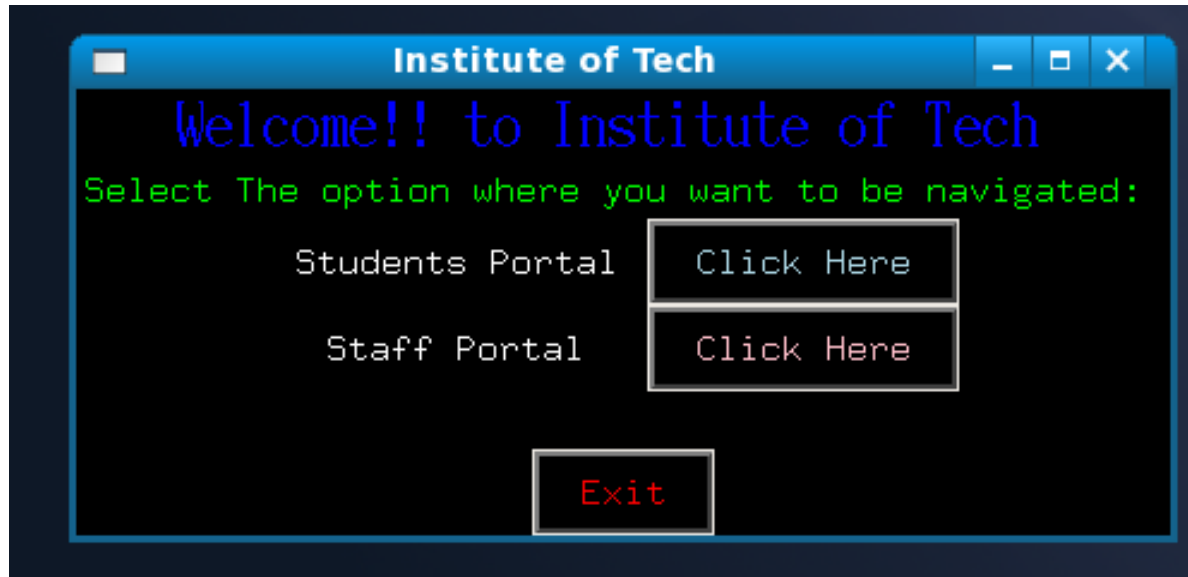
Student Database Management Portal

Accessibility:
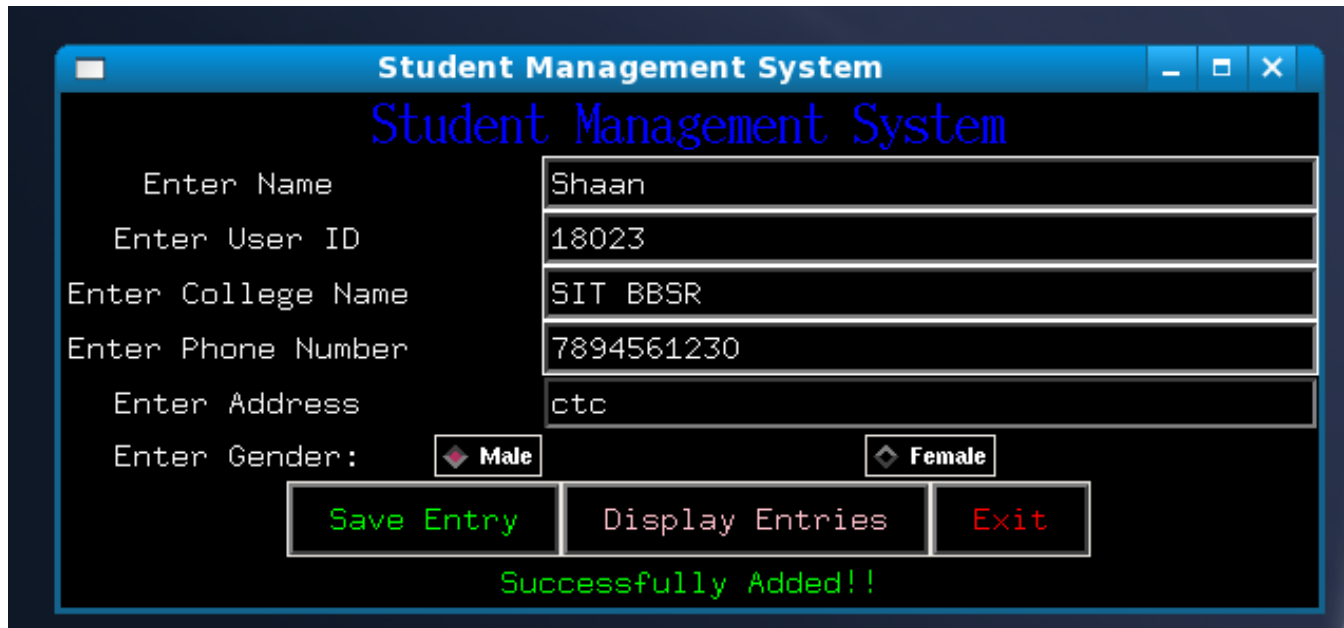
- **Database Entries Displayable to All**
- **New Entry Addition can be done by everyone**
- **Deletion of Entries only by Admin/Staff**

Student Database Management Portal

Shows a Message when successfully added one Entry to the Database

Student Database Management Portal
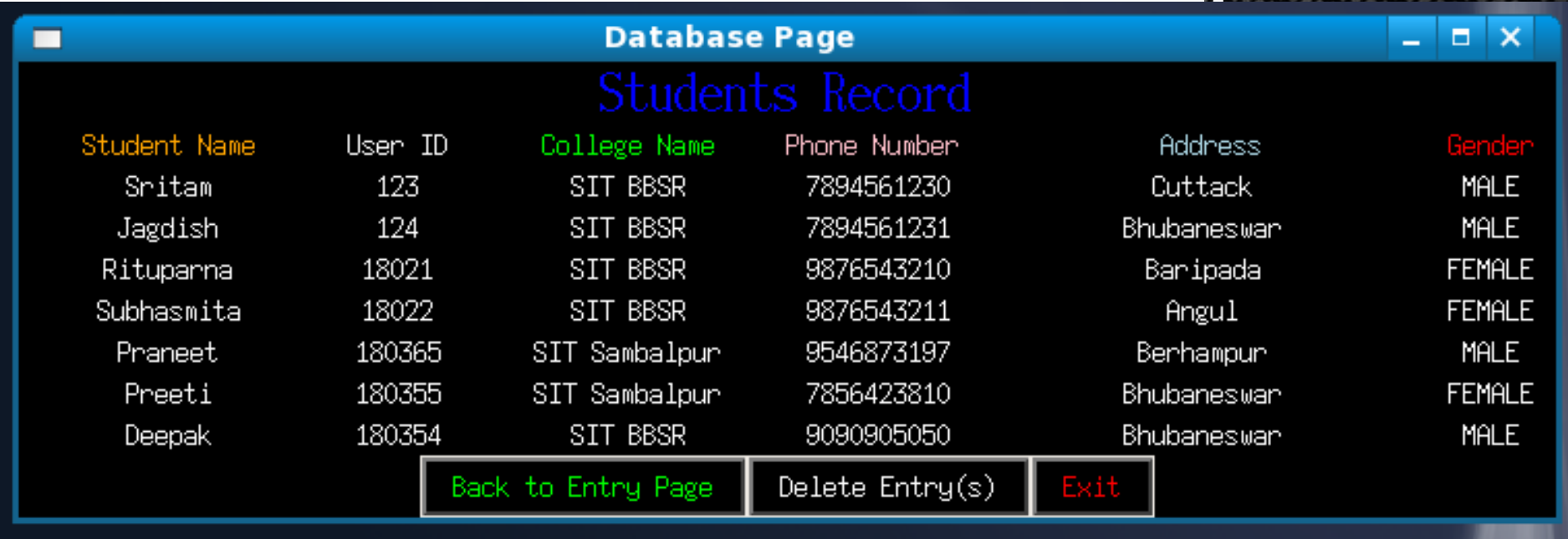
Shows a Message when no Entry is present

Database Page

Student Record

Select	Student Name	User ID	College	Phone Number	Address

No Records Found

Delete Selected | Back to Entry Page | Exit
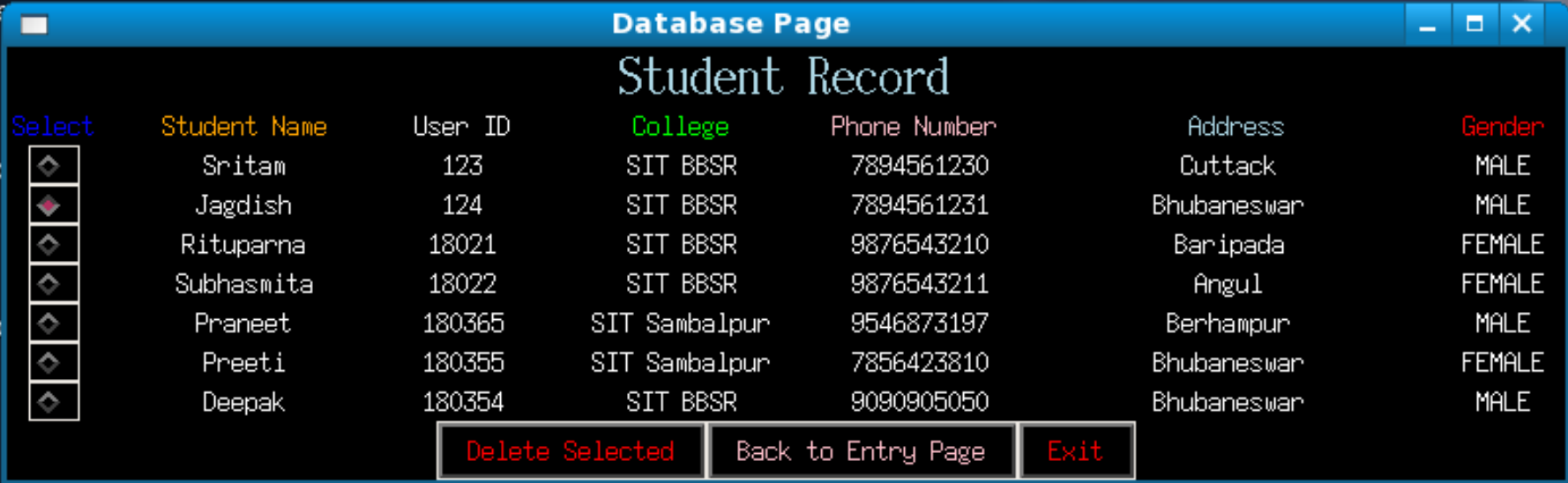
Database Page

Students Record

Student Name	User ID	College Name	Phone Number	Address	Gender
Sritam	123	SIT BBSR	7894561230	Cuttack	MALE
Jagdish	124	SIT BBSR	7894561231	Bhubaneswar	MALE
Rituparna	18021	SIT BBSR	9876543210	Baripada	FEMALE
Subhasmita	18022	SIT BBSR	9876543211	Angul	FEMALE
Praneet	180365	SIT Sambalpur	9546873197	Berhampur	MALE
Preeti	180355	SIT Sambalpur	7856423810	Bhubaneswar	FEMALE
Deepak	180354	SIT BBSR	9090905050	Bhubaneswar	MALE

Back to Entry Page | Delete Entry(s) | Exit

Student Database Management Portal

- Shows check boxes(radiobuttons) to select entries to be deleted

Student Database Management Portal

- **Shows a message if no staff is present**
- **Shows message if Incorrect password is entered**

Employee Database Management Portal

- **Shows a message if while creation of the Employee's password, password & confirm password do not match**

Employee Database Management Portal

- **Creates a field for Admin Login for saving an employee's information**
- **Shows message if Incorrect password is entered**

Employee Database Management Portal

- **Shows a message if no staff is present**
- **Displays the record of staffs' present without displaying the staff's password**

Employee Database Management Portal

- **Shows a message if no staff is present**
- **Create checkboxes(radio buttons) to select an entry to be deleted**
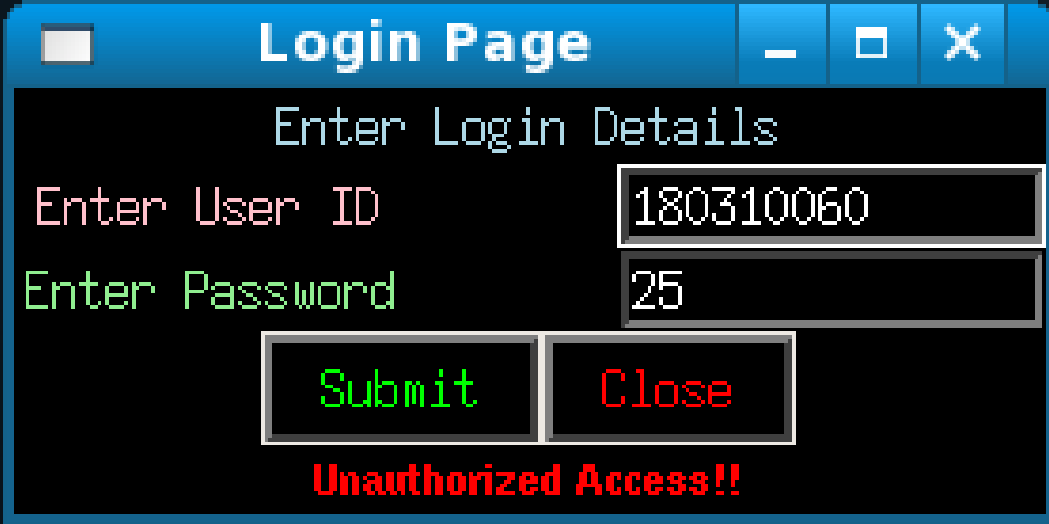- **Also shows a message if none of them is selected**

Database Page

Employee Record

Select	Employee Name	User ID	Department	Phone Number	Address	Gender
◇	Uttam	180310060	CSE	7978038030	Bhubaneswar	MALE
◇	Dipak Sundar Ray	180120358	Mech	9486255789	BBSR	MALE
◇	Sandhya	180120359	Basic Science	9486255788	BBSR	MALE
◇	Probhati Jena	101212	Humanities	943815568	CTC	FEMALE
◇	PK Subudhiray	125483	Humanities	7894561230	Puri	MALE
◇	Pradeep Pattnaik	125481	Humanities	7894561231	Puri	MALE

Delete Selected | Back to Entry Page | Exit

Please Select One Entry to Delete!!!

Employee Database Management Portal

- **Once a staff is selected and the delete button is pressed a login page pops up**
- **If any staff tries to delete another staff then a message pops**
- **If the attempt to login fails and close is pressed, the deletion page comes without any changes to the entries**

THANK YOU FOR YOUR PATIENCE

Presented by:

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