

## **FUNCTIONAL REQUIREMENTS:**

This application registers alumni of the Department of Computer Science & Engineering, University of Calcutta. The registration process and its details are listed as follows:

- **Registration for new user:**

The Login screen will appear, with the login Box containing Username, Password, and a submit button. There will be a link showing register new user. A new user on clicking that link will be redirected to the alumni registration page.

The registration page will contain the relevant fields that are needed to be filled by the user. Please maintain a longer session time, so that the session doesn't expire before all details are filled. It would be better if the fields may be cascaded to a number of pages, each followed by the completion of its predecessor. This would reduce the complexity of the session management.

Upon successfully completion of registration, the alumni ID would be generated which will be of the following format:

AL CUCSE-YYYY-XXXXXXXXXX

Where AL stands for alumni, YYYY stands for year of joining CUCSE, and XXXXXXXXXXXX will be auto-generated serial number.

*For example a person who passed out from CUCSE in 1996 and has enrolled as the 28<sup>th</sup> alumni in the DB will have an ID: **ALCUCSE199628**. This ID will serve as the username for future logins.*

### **CUCSE Password Policy:**

- o The password should be a minimum of 8 characters in length.
- o Should contain at least one CAPITAL letter (A-Z).
- o Should contain at least one small letter (a-z).
- o Should contain at least one numeric character (0-9).
- o Should contain at least one special character among the following: (! @ # \$ % ^ & \* space . , ).
- o Underscore and hyphen are not allowed.

The developer must ensure that the user who registers abides by the CUCSE password policy.

### **Photo Upload Details:**

The user should be allowed to upload at most 5MB size photo in a format that is to be developed by the developer. Since the Database size is limited, the developer should make a provision to scale down the image, so that its size is reduced to a few KB. Storing photos scaled to a size of a few KB is only allowed. The user should have a provision to add/remove photo.

- **Viewing profile (NORMAL USER):**

When a registered user logs in with his own credentials, he will only be able to view and update his own details. He will have a provision to search any other existing alumni's detail, through the following indexes:

1. Search by Alumni ID.
2. Search by Name.
3. Search by YOJ.
4. Search by YOP.

But he will be able to view only the following information:

1. Name
2. Surname
3. DOB
4. Year of Joining CUCSE
5. Year of Passing
6. Courses studied in CUCSE.

The rest of the details will remain hidden to him to ensure security.

- **Viewing profile (ADMINISTRATOR):**

When the administrator logs in, he has the privilege to see all the details of every member he searches. Searching procedure is similar to that mentioned above. Administration will not have the right to update details of any alumni. Only Viewing is allowed. If any discrepancy is found against any registered alumni, ADMIN would simply delete his profile from the DB. Deleting will be done by indexing Alumni ID.

- User should log off manually. On closing the screen, user should be automatically logged off.

**Column wise guideline for designing:**

Column 1- SURNAME: Write your SURNAME in the boxes provided. Should be a text box of 50 characters.

Column 2 - GIVEN NAME: Write the full name. No initials are allowed and they should be expanded. For example, RAJ KUMAR should not be written as RAJ KR. Should be a text box of 50 characters.

Column 3 - SEX: In case of Male/Female option, please provide radio button.

Column 4 - DATE OF BIRTH: The date of birth is filled as dd/mm/yyyy. Provide calendar.

Column 5, 6, 7 & 8 - Fill up these with current data. Do not leave any option as blank. Moreover do not forget to fill up the box space for PIN and LANDMARK. Fill up the box space for both present and permanent addresses.

Column 9 - Courses studied in CUCSE: Mark all those boxes that are applicable. For example, student doing both M.Sc. and M.Tech. Should tick both the boxes. Provide checkbox.

Column 10, 11 - Year of Joining and Passing: Fill up the years in yyyy format. Provide combo-box, year listed from 1980-2050.

Column 12 - Occupational Status: Please tick the one applicable. If the applicant is still a student, then tick the "OTHERS" box. Provide radio button.

Column 13 - Current Profession: Mention your current profession. Students write STUDENT in the text box. Provide text box.

Column 14 - Current Designation: Write your current designation as there in your company's/institutes profile. Students write NOT APPLICABLE. Provide text box.

Column 15 - NAME OF CURRENT COMPANY/COLLEGE/INSTITUTE/ORGANISATION: Write the full name of your current COMPANY/COLLEGE/INSTITUTE/ORGANISATION. No initials allowed. Provide text box.

Column 16, 17 & 18 - Fill up the relevant columns with correct information. Students give the address and phone number of your institute; FAX numbers are not required and write NA in the box space. Provide text box.

Column 19 - This applies for applicants who have changed their companies within the last year. For freshers (only who have not changed any company within a year) and for students this column is not applicable. Just write NOT APPLICABLE. Provide text box.

Column 20 - PREFERRED WAY OF COMMUNICATION: Please tick the box that is preferable to you. Provide radio button.

Columns 21 - Read the declaration and check in the box provided for I Agree. Provide a check box for 'I Agree'.