**Chapter 4**

**System Analysis**

**4.1 Design Pseudocode or Algorithm for Method or Operation**

**4.1.1 Client/User Module**

**4.1.1.1 Login Page**

Step1: User first need to provide Username and Password.

Step 2: Entered Username and Password will be checked with that data stored in signup table of database project if match found then the user will be redirected to home page.

Step 3: If match not found then Account not found or Incorrect username or password message would be shown to user.

Step 4: If user don’t have account, then they would go to Sign up page.

Step 5: If they don’t remember their, they can go to Forgot password page.

**4.1.1.2 Sign Up Page**

Step 1: User inputs are as follows

* Username
* Phone number
* Email address
* Password
* Address

Step 2: Entered details will be stored in table signup of database project.

Step 3: Redirect User to Home page.

**4.1.1.3 Forgot password Page**

Step 1: User inputs are as follows

* Email Address
* New Password
* Retype Password

Step 2: Entered Email address will be checked in database if the match then password would be successfully change else password will not change.

Step 3: After password changed successfully user will be redirected to login page.

**4.1.1.4 Home Page**

Step 1: Navbar and footer included using include action of java sever page.

Step 2: This page will contain some interactive images.

Step 3: In this page under interactive image there are Purpose, Vision and Mission using the help of bootstrap card, their sliding is done through API called data animate on scroll.

**4.1.1.5 Scholarship Page**

Step 1: Each Scholarships are visible using Bootstrap cards and their and details of each Scholarships is displayed from database.

Step 2: As soon as user click to apply then the user redirect to the application form.

**4.1.1.6 Application Form Page**

Step 1: User inputs are as follows

* Name
* Email
* Phone Number
* Scholarship Name

Step 2: Entered details will be stored in table form of database project.

Step 3: Redirect User to Dashboard.

**4.1.1.7 Scholarship Details Page**

Step 1: This page will contain interactive image.

Step 2: Also, this page contains all details about Scholarships and Scholarships FAQs.

**4.1.1.8 Contact-Us Page**

Step 1: There is one query form which is created by help of mdbootstrap form and to submit query following inputs are taken.

* Name
* Email
* Mobile
* Subject
* Query

Step 2: There are information about contact us. which includes address, phone number, website, email.

**4.1.1.9 Dashboard**

Step 1: After user has applied application form its details are stored in form table and all details are fetched from form table and display here using bootstrap table.

Step 2: On clicking the delete button beside the scholarship the respective data will deleted from form table.

**4.1.2 Admin Module**

**4.1.2.1 Login Page**

Step 1: Admin input are as follows:

* Username
* Password

Step 2: If Username and Password matches with admin and admin respectively then only admin will be permissible to enter admin module. Else not permissible.

**4.1.2.2 Home Page**

Step 1: After user has applied application form its details are stored in form table and all details are fetched from form table and display here using bootstrap table.

Step 2: Admin Can Approve or Decline the user request for the scholarship.

Step 3: Button of type submit is taken for approve and decline and their value for name attributes are vall and valls respectively.

Step 4: If the received value is vall then status for user scholarship will be shown as approved else declined.

**4.1.2.3 Add Scholarship Page**

Step 1: To add Scholarships following details are taken from admin:

* Scholarship Name
* Eligibility
* Documents
* Steps

Step 2: Entered values will be added to scholarship table.

**4.1.2.4 Modify Scholarship Page**

Step 1: To modify Scholarships following details are taken from admin:

* Scholarship Id
* Dropdown list for
  + Name
  + Eligibility
  + Documents
  + Steps
* Modified Data

Step 2: First Scholarship id will be matched from database if it matches than the selected data will be modified.

**4.1.2.5 View Scholarship Page**

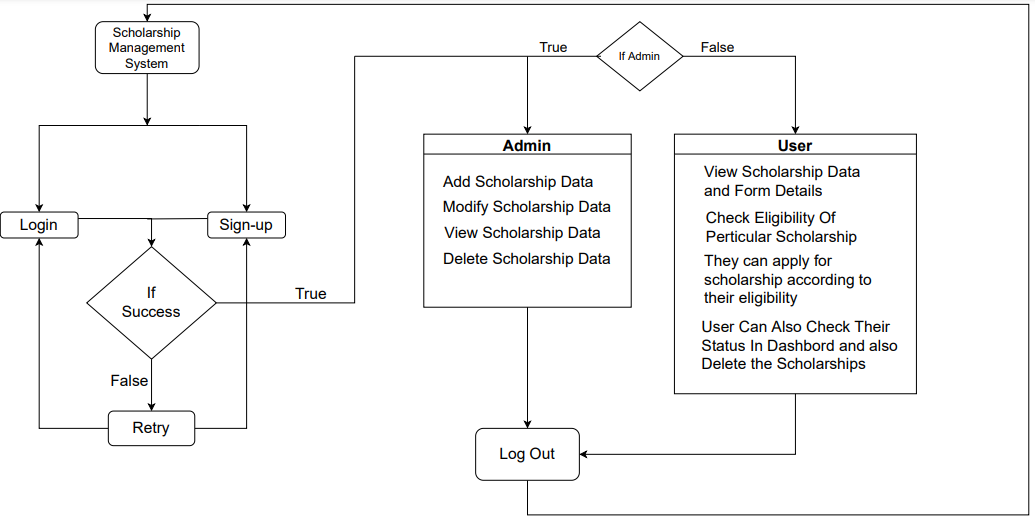
Step 1: Bootstrap Card are used to show Scholarships.

**4.1.2.6 Delete Scholarship Page**

Step 1: Bootstrap Card are used to show Scholarships.

Step 2: All the Scholarships will be visible to admin and also delete button is given to delete particular scholarship. So that scholarship will be deleted form table scholarship of database project.

**4.2 Flow Chart Diagram**

****