



**Green University of Bangladesh**  
**Department of Computer Science and**  
**Engineering(CSE)**

Faculty of Sciences and Engineering  
Semester: (Spring, Year:2023), B.Sc. in CSE (Day)

**Project Proposal**

Course Title : Integrated Design Project II  
Course Code : CSE-406      Section : 201 D2

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# **1 INTRODUCTION**

For our project we will build an interactive website for “GUCC - Green University Computer Club”. Our goal is to create an environment on campus that is hospitable to IT because the 21st century is known as the ”Century of Technology” .

The website is destined to fulfill several user requirements like member logging in, filling up different types of forms, getting all the notices in one place , information about the ongoing events, rating the club, posting vlogs, searching information etc.

# **2 OBJECTIVE/AIM**

- to create a friendly and constructive IT environment
- to establish an IT friendly environment in campus
- to broaden the knowledge and usefulness of information technology to the students [1]

# **3 Requirement Analysis**

## 1. Functional Requirement:

- System Requirement:
  - Data store: It will store the recorded files and documents and save them for future use.
  - Data retrieve: It will identify and extract datas from database based on the query provided and will enable the fetching of data.
  - Data update: It will update datas to modify the existing datas like- to add new features or to fix some problems.
- User Requirement:
  - (a) member
    - i. Log In : Any member of GUCC can log in their account using this website
    - ii. Form fill up/Participation : Members of GUCC can participate in different competitions organized by the GUCC by filling up forms provided in this website
    - iii. Searching : The members of GUCC can search for any contents in the blogging section
    - iv. Blood Donation : A member can see the available blood donors and also update his/her information on the blood donation page

(b) admin

- i. Notice Board : Admin can update the notice board of the website
- ii. Forms : Admin can upload and maintain different types of forms
- iii. Member Add/Delete/Update : Admin can update member status
- iv. Events : Admin can create,update or delete the Ongoing Events
- v. Blogs : Admin can add blogs about any events or topics
- vi. Blood Donation : Admin can approve or discard blood requests.

2. Non functional-requirement:

- (a) Security: Only the admin is permitted access to the sensitive data for security reasons.
- (b) Capacity : Powerful enough to meet changing demands of the client.
- (c) Compatibility
- (d) Reliability and Availability: All GUB faculty, staff, and students will have access to this website, including visitors in some features.
- (e) Maintainability: Our website is well maintained with the help of our admin.

## 4 UI/UX Design

### Member End :

Firstly a member can login using his credentials.



The image shows the login interface for the Green University Computer Club. It features a white rectangular form with rounded corners. At the top center is the text "GREEN UNIVERSITY COMPUTER CLUB". Below this is a "LOGIN" button with white text. Underneath the button are two input fields, each with a thin black border. At the bottom of the form is a dark blue horizontal button with the word "LOG IN" in white. Below the form, there is a small red link that says "FORGET PASSWORD ?" and a green link that says "NOT A MEMBER? SIGN UP NOW".

Figure 1: Login Interface

A member can use the forget password feature which requires their student ID. Using that ID, password will be sent to their corresponding email address.

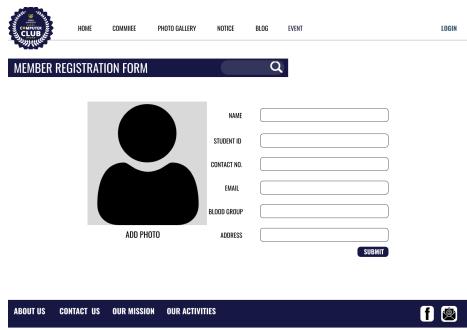


The image displays two versions of the forget password interface. On the left, labeled (a), is the "Entering ID" screen. It has a white background with a "GREEN UNIVERSITY COMPUTER CLUB" header. Below it is a "LOGIN" button. Underneath is a single input field with a thin black border. At the bottom is a dark blue "SEND PASSWORD IN EMAIL" button. On the right, labeled (b), is the "Password sent to email" screen. It also has a "GREEN UNIVERSITY COMPUTER CLUB" header and a "LOGIN" button. Above the "LOG IN" button, there is a message in red text that says "YOUR PASSWORD HAS BEEN SENT TO YOUR EMAIL !".

(a) Entering ID (b) Password sent to email

Figure 2: Forget Password Interface

Anyone can apply for being a member of GUCC if he is not a valid member yet. The system will take all the credentials and match the ID with registered students database. If the ID matches then the membership request will automatically accepted.



The screenshot shows a member registration form titled "MEMBER REGISTRATION FORM". At the top, there is a placeholder for a profile picture with the text "ADD PHOTO". Below it, there are several input fields: "NAME" (text input), "STUDENT ID" (text input), "CONTACT NO." (text input), "EMAIL" (text input), "BLOOD GROUP" (text input), and "ADDRESS" (text input). A "SUBMIT" button is located at the bottom right of the form area. The page also features a navigation bar with links like "HOME", "COMMITTEE", "PHOTO GALLERY", "NOTICE", "BLOG", "EVENT", "LOGIN", "ABOUT US", "CONTACT US", "OUR MISSION", "OUR ACTIVITIES", and social media icons for Facebook and Instagram.

Figure 3: Member Joining Page

After successfully logging in, a member will be able to see the home page. He can choose which page he would like to see from the navigation bar at the top of the page.

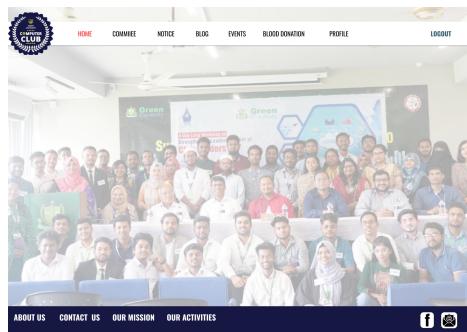


Figure 4: Home Page

A member can see the current executive committee members and their emails by clicking on the committee option from the navigation bar.

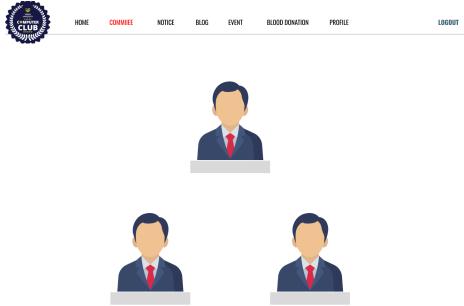


Figure 5: Committee Page

A member can see Notices on the notice page. First page contains recent notices and notice list. He can see the full notices archive by clicking on the see more option in the main notice page. It will take the member to the second page where he can see all the notices and also sort the notices semester wise.

**(a) Main Page**

NOTICES
FINAL MARKUP, OVERDUE AND SPECIAL MASTERS EXAM SCHEDULE
EXTRACTION OF DATES FOR COURSE ADVISING
2ND ADMISSION TEST RESULT OF SPRING SEMESTER

**(b) All Notice Page**

NOTICES
FINAL MARKUP, OVERDUE AND SPECIAL MASTERS EXAM SCHEDULE
EXTRACTION OF DATES FOR COURSE ADVISING
2ND ADMISSION TEST RESULT OF SPRING SEMESTER
NOTICE FOR PRE REGISTRATION
PAYMENT NOTICE FOR REGISTRATION

Figure 6: Notice Page

A member can see blogs in the blog page. The contents consists of a picture and title of the blog. Clicking on the title takes the member to the facebook post of that particular event.

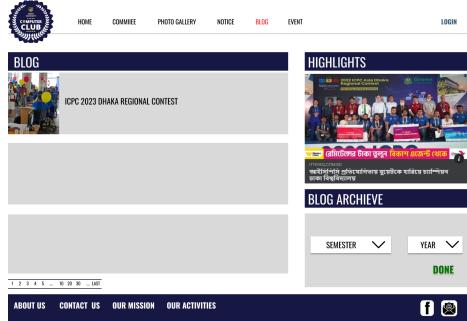


Figure 7: Blogs Page

A member can see the ongoing events and also all the events details by clicking on the right down "See more" button. The second page consists of events lists and a participation button by clicking which a member will receive a form of participation.

(a) Main Event Page
(b) All Event Page

Figure 8: Event Page

If any member clicks on the plus icon beside an event it takes him to the participation form. A member can participate in an event by filling up the form.

Figure 9: Event Form Fillup Page

A member can see the blood donation information in the corresponding page. The main page contains recent donors, recent blood requests and a map containing nearby blood donors. A member can sort nearby blood donors by selecting blood group and location. He can also see the donors info in Donors info page. He can sort the donors based on blood group.

**(a) Main Blood Donation Page**

**(b) Donors Info Page**

Figure 10: Blood Donation Page

A member can see the blood requests and also add a request by filling a form.

**(a) Blood Requests Page**

**(b) Blood Request Form**

Figure 11: Blood Request Page

A member can see his profile in the Member Profile page. He can update his credentials in that page.

(a) Memeber Profile Page

(b) Update Member Info Page

Figure 12: Member Profile

A member can also update their password using their old password.

Figure 13: Member Password Change Page

**Admin End :**

An admin can login using his credentials.



Figure 14: Admin Login Page

An admin can recover password if forgotten using his Admin ID.



(a) Entering ID

(b) Password sent to email

Figure 15: Forget Password Interface

Upon Successful login, an admin will be taken into Admin Menu. There he can choose from different pages in the navigation bar in the left.



Figure 16: Admin Menu Page

An admin can see Notice list by clicking the Notice option in the navigation bar. He can see the notice list, delete a notice or add a new notice.

(a) Notice List

(b) Adding a Notice

Figure 17: Admin Notice Page

An Admin can see the blogs list by choosing the blogs option from the navigation bar. He can see the blog list, delete any blog or add a new blog.

**(a) Blog List**

BLOGS	
PITRA UTSAV 2023	DATE: [REDACTED]
CSE CARNIVAL 2023	DATE: [REDACTED]
GREN FEST 2023	DATE: [REDACTED]
WATER GUN FIGHT 2023	DATE: [REDACTED]
MEMBER DETAILS	DATE: [REDACTED]
COMMITTEE	DATE: [REDACTED]

**(b) Adding a Blog**

ADD NEW BLOG	
TITLE: <input type="text"/>	DESCRIPTION: <input type="text"/>
SEMESTER: <input type="text"/>	PICTURE:

Figure 18: Admin Blog Page

An Admin can also see the event list, update an event add or delete an event. He can also see the member lists who registered in a particular event.

**(a) Event List**

EVENTS	
PITRA UNIVERSITY CONTEST 2023	REGISTRATION LIST
PITRA UNIVERSITY CONTEST 2023	REGISTRATION LIST
PITRA UTSAV 2023	REGISTRATION LIST
PITRA UNIVERSITY CONTEST 2023	REGISTRATION LIST
PITRA UNIVERSITY CONTEST 2023	REGISTRATION LIST
PITRA UNIVERSITY CONTEST 2023	REGISTRATION LIST

**(b) Adding an Event**

ADD NEW EVENT	
TITLE: <input type="text"/>	DESCRIPTION: <input type="text"/>
SEMESTER: <input type="text"/>	BANNERS:

Figure 19: Admin Event Page



ADMIN PANEL		LOGOUT
NOTICES		
BLOGS		
EVENTS		
BLOOD DONATION		
MEMBER DETAILS		
COMMITTEE		

1 2 3 4 5 ... 46 47 48 ... 100

Figure 20: Registration List Page

An Admin can see the blood requests made by member and approve them.



ADMIN PANEL		LOGOUT
NOTICES		
BLOGS		
EVENTS		
BLOOD DONATION		
MEMBER DETAILS		
COMMITTEE		

1 2 3 4 5 ... 46 47 48 ... 100

Figure 21: Admin Blood Requests Approval Page

An Admin can view the member lists and details of each members.

The image shows two screenshots of the Admin Member Info Page. The left screenshot, labeled (a) Member List, displays a table with columns for NAME, ID, and EMAIL. The right screenshot, labeled (b) Member Details, shows a form with fields for NAME, ID, CONTACT NO., EMAIL, BLOOD GROUP, and ADDRESS, along with a placeholder for a member photo.

Figure 22: Admin Member Info Page

The image shows two screenshots of the Committee Info Page. The left screenshot, labeled (a) Committee List, displays a table with columns for DESIGNATION, NAME, and EMAIL for roles like MEMBER, DEPUTY MEMBER, PRESIDENT, and VICE PRESIDENT. The right screenshot, labeled (b) Committee Member Details, shows a form with fields for MEMBER DETAILS and COMMITTEE, along with a placeholder for a committee member photo.

Figure 23: Committee Info Page

An admin can view the committee members and update their credentials.

## **5 CONCLUSION**

In conclusion, the proposal for a website for Green University Computer Club presents an excellent opportunity to create a strong online presence for the club and engage with the members and the wider community. By implementing a user-friendly interface and incorporating features like a blog, events, and notices, the website can become a hub for learning, networking, and innovation. Overall, the website has the potential to enhance the reputation of the club and attract new members while fostering a culture of technology and sustainability.

## **References**

- [1] M. Campus. (2021) 4 reasons why your college or university needs website personalization now. [Online]. Available: <https://bit.ly/3uRHXB>