



**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

Student Details

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**Course Teacher's Name** : **Mr. Palash Roy**

# 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 LITERATURE REVIEW

Green University Computer Club provides the students of Green University with all kinds of necessary information. Although being active offline, the club performs its online activities through social medias like facebook [1] and whatsapp. As a result, all the information are scattered in different places and the activities of the club are not well documented in one platform. In addition, all the notices and other information are also hard to find when needed. That's why GUCC needs an interactive website. All the members will be able to stay informed about all the future events with the aid of a website. Additionally, it makes for improved communication and contributes to the organization and clarity of all the information. One of the best things about it is that we can contact the admins whenever we want, without regard to timetables, which boosts our availability. As a result, it will make it easier for all of the members and students to find the information they need.

# 3 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 [2]

## 4 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:
  - member
    - (a) Log In : Any member of GUCC can log in their account using this website
    - (b) Form fill up/Participation : Members of GUCC can participate in different competitions organized by the GUCC by filling up forms provided in this website
    - (c) Searching : The members of GUCC can search for any contents in the blogging section
    - (d) Blood Donation : A member can see the available blood donors and also update his/her information on the blood donation page
  - admin
    - (a) Photo Gallery : Admin can update the photo gallery of the website
    - (b) Notice Board : Admin can update the notice board of the website
    - (c) Forms : Admin can upload and maintain different types of forms
    - (d) Member Add/Delete/Update : Admin can update member status
    - (e) Events : Admin can create,update or delete the Ongoing Events
    - (f) Blogs : Admin can add blogs about any events or topics
  - visitor
    - (a) View Blogs and Photo Gallery : A simple visitor can audit the blogs and photo gallery of the website
    - (b) View Notice Board : A simple visitor can view the Notice Board
    - (c) Events : A visitor can see the Ongoing Events

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.

## 5 Feasibility Study

A bunch of feasibility study should be taken to compare the new system going to be build and the existing system. We have to study economical feasibility, Technical feasibility, operational feasibility etc.

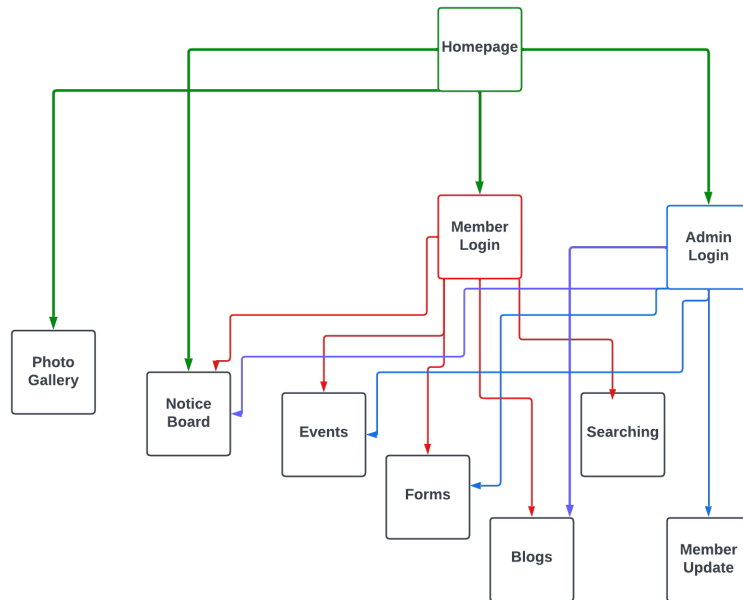


Figure 1: Data Flow Diagram

### 5.1 Technical Feasibility

This project is technically feasible. To implement this project we will need a computer/laptop which is/are widely available. So, this project has technical feasibility.

## 5.2 Operational Feasibility

We can use the developed software in a laptop/computer. We will also an IT expert to maintain the project. In other words, the project has operational feasibility.

## 5.3 Economical Feasibility

Since it is a student project, all the budget is provided by the Green University of Bangladesh. So all the materials needed in this project are affordable. In other words this project has economical feasibility.

# 6 Main Phases

1. Project Proposal and Planning
2. Requirement Specification of the project
3. SDLC selection
4. Developing Data Flow Diagram
5. Developing UML use case diagram of the project
6. Developing UML sequence and communication diagram
7. Developing UML class diagram
8. Software Testing

# 7 Detailed Working Plan

Table 1: Working Plan

SL	Activity	Required Week	Responsible Person
01	Planning	04	All team Members
02	Design	06	All team Members
03	Coding	06	All team Members
04	Testing	06	All team Members
05	Delivery	02	All team Members

Table 2: Gantt Chart of Project Development Timing

Activity\Weeks	02	04	06	08	10	12	14	16	18	20
Planning										
Design										
Coding										
Testing and Update										
Delivery										

## 8 Detailed Budget

The budget of this project is stated below :

SL	Criteria	Cost Specification	Existing System (tk)	New System (tk)
01	Office Cost	Team Meeting	15,000	10,000
		Project Meeting	15,000	10,000
		First Aid	1000	500
02	Website Cost	Website Hosting	9000	9000
03	Office Equipment	Computer	80,000	50,000
		Laptop	50,000	45,000
04	Cost Salary Cost	Al-Arafat Uddin (Leader)	20,000	25,000
		SM Mahmudur Rahman (Member)	10,000	15,000
		Taslima Akter (Member)	10,000	15,000
Total Cost			2,10,000	1,79,500

## 9 CONCLUSION

Today Whether it's through a website or a profile on a social network, we are all somehow connected to the Internet. No matter how big or little, having a website has advantages for our educational institutions that we can't afford to ignore. As a result, gucc website provides everyone easy access to all the necessary information and informs of impending events. Additionally, it opens up a new line of communication between students and between teachers and students, allowing them to exchange ideas and knowledge. We believe that gucc requires an interactive website because of this.

## References

- [1] GUCC. (2020) Green university computer club. [Online]. Available: <https://www.facebook.com/GreenUniversityComputerClub>
- [2] M. Campus. (2021) 4 reasons why your college or university needs website personalization now. [Online]. Available: <https://bit.ly/3uRHXBi>
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- [5] Medium. (2020) Organizing a software development team. [Online]. Available: <https://bit.ly/3IOZWOE>