

# Stamford University of Bangladesh



## Lab Project Report 02

**Course Title** : Software Engineering Sessional

**Course Code** : CSI 332

**Project Name** : Stamford Blood Donor System

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## **Introduction:**

After completing the project proposal and project feasibility part successfully, we have decided to move on to the next phase of our project, which is the information gathering and representation with the following objectives in mind.

## **Objectives:**

- Construct meaningful interview questions
- Understanding the current system
- Identify preferred donation method
- Requirement & features Analysis
- Creating Use case diagram
- Creating data flow diagram

## **For information gathering we have chosen three methods.**

1. **Interviewed a professional from Islami Bank Specialised & General Hospital Naya Paltan Dhaka.**
  - ❖ Interview structure was **Funnel type**.
  - ❖ **6 open** ended question in beginning.
  - ❖ **2 close** ended question after that.
2. Used Questionnaires to take survey from users
  - ❖ There were 8 questions in the survey and all of them were specific.
3. Investigation
  - A) Quantitative

Stamford Blood Donation Information - Android Application			
<b>Author:</b> Joydeb Paul Anupam Faisal Chaklader Sajib Roy	<b>Date:</b> 18/09/2019	<b>Time:</b> 2:00 pm	<b>Duration:</b> 4 mins
<b>Participants:</b> A Lab Staff		<b>Comments:</b> Currently in a human blood information testing process of blood donation operation system in scientific format.	

### **Reason for selecting the Professional:**

A Lab Staff is the Blood Donation Operation at Islami Bank Specialised & General Hospital Naya Paltan Dhaka. He is working in Islami Bank Specialised & General Hospital Naya Paltan Dhaka since last year. So, he knows well about how Islami Bank Specialised & General Hospital Naya Paltan Dhaka runs their program and operates them.

### **Total Interview Procedure:**

**Question 01 :** Do you come here to donate blood voluntarily?

**Answer :** Yes.

**Question 02 :** How do you know if the donor blood is safe to use or not?

**Answer :** Blood cross matching and screening test if there any problem with the donor blood.

**Question 03 :** Do you do blood test before the blood donates blood?

**Answer :** In Screening test there are Hepatitis C virus (HCV), human immunodeficiency viruses (HIV), (VDRL), (CPHA), (CP) risk normally these are screening test to see if the blood is safe.

**Question 04 : How many disease test you do before the donor donates blood 2 and 3 same question but different meaning ?**

**Answer :** Actually without screening test we can't push patients. And without blood test blood shouldn't apply to patients. By screening testing we after push blood from donor to patients. Screening test must before give blood.

**Question 05 : How do you handle rare blood type case in an emergency?**

**Answer :** If the hospital has the rare blood the patient need they will do there best to provide the blood if not then they will check their other branch if they have anyone blood donor who match patients blood they can push from donor to patients. Generally rare case blood is all negative blood groups(A-,B-,AB-,O-).

**Question 06 : How do you motivate someone to donate blood?**

**Answer :** They provide service and they take good care for donor but if the donor doesn't want no one can force them.

**Question 07 : How many blood bank service does your hospital branch have ?**

**Answer :** Each Islamic hospital has their own blood bank service. Total eleven branch. Specially Dhaka five branch where have blood bank.

**Question 08 : Is your blood bank government licensed ?**

**Answer :** Yes.

## **2. Questionnaire (Users):**

What general people think about Stamford blood donation information were collected using a questionnaire made by <https://docs.google.com/forms> . The questionnaires were directed at users via social media, so the data was collected from random users. As our website's main target is to interact with people, it will be made to suit the preference of the users.

**Full Name \***

Your answer

**Blood Group \***

Choose ▼

**Area \***

Your answer

**Mobile Number \***

Your answer

**Do you like apps ? \***

- ☐ Yes
- ☐ No
- ☐ Maybe

**What do you think blood donation/ managing idea via apps ? \***

- ☐ Excellent
- ☐ Good
- ☐ Fair
- ☐ Poor

**Are you interest to blood donate ? \***

- ☐ Yes
- ☐ No

**Which blood group patient you want to interest ?(you can choose multiple) \***

- ☐ Any
- ☐ O+
- ☐ O-
- ☐ B+
- ☐ B-
- ☐ A+
- ☐ A-
- ☐ AB+
- ☐ AB-
- ☐ Others

When you want blood donate prefer ?(you can choose multiple) \*

- ☐ Anytime
- ☐ Morning
- ☐ Noon
- ☐ Evening
- ☐ Night

Is it helpful our blood donation system ? \*

- ☐ Good
- ☐ Better
- ☐ Best
- ☐ poor

If you donor which method would inspire ? \*

- ☐ Online
- ☐ Offline
- ☐ Any

Your profession ? \*

- ☐ Student
- ☐ Teacher
- ☐ Job holder
- ☐ Engineer
- ☐ Businessman

Why you give donate blood ? \*

Your answer \_\_\_\_\_

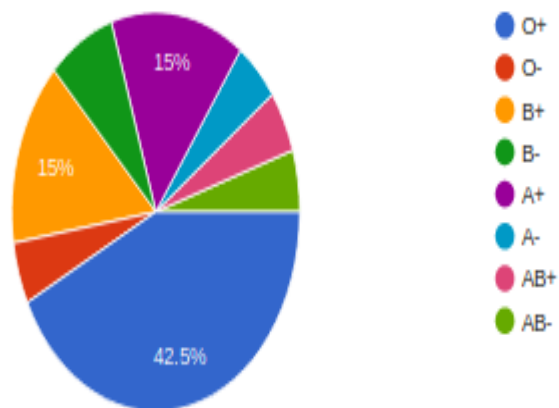
## Appendix

### Result of the Questions:

Arafat	B+	Puran Dhaka	01782310096
Taufiq Anam Fahim	O+	Sonargaon , Narayanganj	01928240624
Md Shamim	O+	Banasree	01752475650
Faisal Chaklader	A+	Polton	01913172312
Jafor	A+	Naya paltan	01911131006
Fouzia Morium	A+	Eskaton Garden, Dhaka-1000.	01743376833
rishad	O+	malibag	01303008991
md.mostak nadim	O+	mirpur-1	01670719202
Akib	O+	Mouchak	01714664440
Sobhana Hossain Trisha	O+	Airport, Dhaka	01679224832
Afifa Nowshin Joya	O+	Malibagh	01775759452
Sourav Mazumder	B+	Kallyanpur	01515615370
Dwaipayan	O+	Maghbazar	01863324379
Pappu	A-	Mowchak, romna, dhaka	01770575011
Hridoy	AB-	Demra	01681714541
Joyasree paul Rupa	O+	Farmgate	01759671636

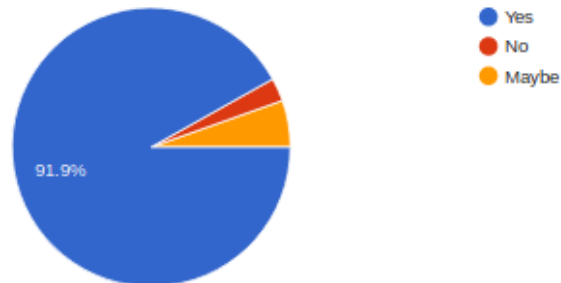
### Blood Group

40 responses



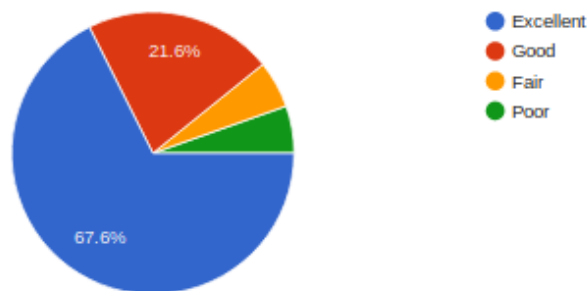
### Do you like apps ?

37 responses



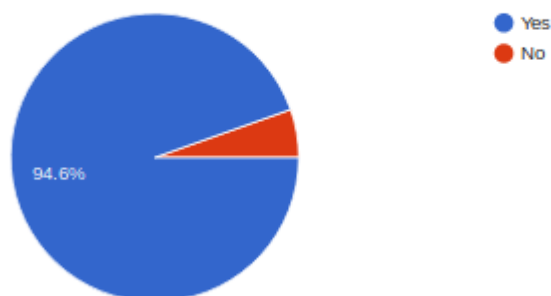
### What do you think blood donation/ managing idea via apps ?

37 responses



### Are you interest to blood donate ?

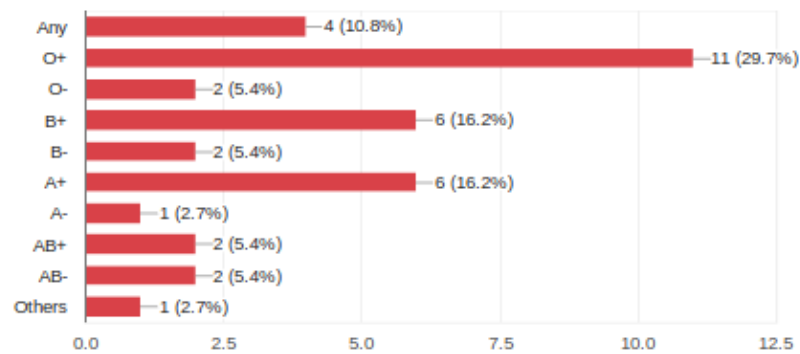
37 responses





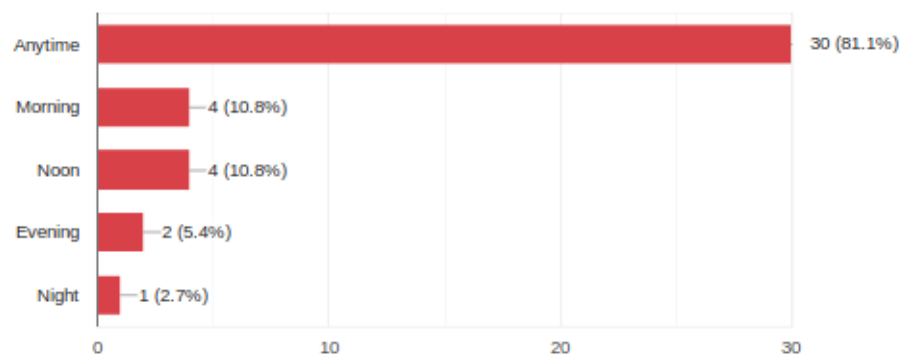
### Which blood group patient you want to interest ?(you can choose multiple)

37 responses



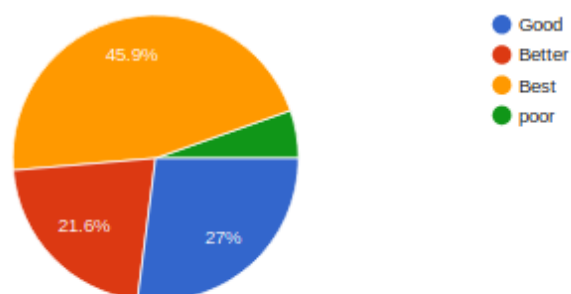
### When you want blood donate prefer ?(you can choose multiple)

37 responses



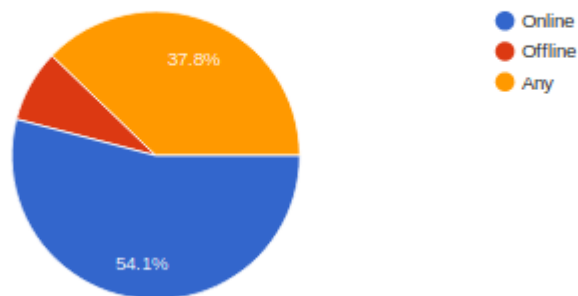
### Is it helpful our blood donation system ?

37 responses



## If you donor which method would inspire ?

37 responses



For saving life			
Be a human			
Help the people			
To help those who needs help			
Free service			
It can save someone life.			
i am interested and i know its helpfull profession.			
to help people who needs blood			
Helping people to get a good health			
To help people who need blood to survive. It's a great project I think! "donate blood, save life" ☺			
i want to help people			
রক্ত দিন জীবন বাঁচান			
Mankind			
It's great huminity			
Beavause			
It can save a life.....			