

Project Proposal

for

BDMIK (بِدْمِك)

Blood donation motivation initiative KSA

Prepared by

Group Members:

Alanood Al Alsheikh	441201116	441201116@student.ksu.edu.sa
Haila Aldosary	441201015	441201015@student.ksu.edu.sa
Alanoud Alghufaili	441201056	441201056@student.ksu.edu.sa

Instructor: Farah sheikh

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1. introduction

Donating blood is a noble humanitarian act. Blood donation: It is a voluntary medical procedure in which blood or one of its compounds is transferred from a healthy person to a sick person who needs blood. This procedure is needed by millions of people and contributes to saving the lives of thousands of patients who are in dire need of blood transfusions; In fact, one out of every ten patients[1] admitted to the hospital needs a blood transfusion, especially patients who suffer from malignant or incurable diseases, as well as people who are exposed to serious accidents as a result of which they lost a large amount of blood, as well as many patients during major surgeries, in addition to that. The components of blood are used in the treatment of many serious diseases. What makes this process difficult is the existence of a communication gap between donors and blood banks, and people's lack of awareness of the importance of donation and its benefits to society and the individual.

2. Statement of Problem

Many hospitals need blood donors, blood for their patients, and it is difficult for donors to help because there is no means of communication between the donor and the hospitals. The application will create a link between those wishing to donate and between health centers and nearby hospitals that have a need for his blood type

3. Project's Scope

The scope of the project is located in the city of Riyadh and it targets resident In Riyadh who want to donate blood and meet the health criteria. The user can benefit from the services of the app by downloading it on Any android device.

4. Project's Objectives

The app Provides a link between the donor and the health centers, where the donor can choose the health centers near him that need his blood type. Helping the donor keep track of the number of times he donated and rewarded to encourage him the app will :

- foster an environment of friendly competition towards good by using a point system.
- connecting possible blood donors with nearby health centers.
- implementing a reward system to encourage donation.

5. Related Works

We have found applications with similar objectives such as “Wateen”. it is An initiative with the Ministry of Health that seeks to reduce the communication gap between donors and blood banks so that the blood donation process becomes easier.[2] “Wateen” is a great application, but we have found that the process of donation could be more enjoyable. That is where the application comes in. It creates an environment where people can share their charitable deeds and encourage others to do so as well.

6. References

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- [1] M. o. Health, "The portal of the Ministry of Health," 21 8 2021. [Online]. Available: <https://www.moh.gov.sa/awarenessplatform/VariousTopics/Pages/BloodDonation.aspx>. [Accessed 31 1 2022].
- [2] Wateen, "wateen," Ministry of Health, 2022. [Online]. Available: <https://wateenapp.org/>. [Accessed 1 2 2022].