



## **Project Title : Blood and Platelets Management System**

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## **Description:**

The percentage of people donating blood is increasing day by day due to awareness to donate blood for those needed. The blood received has to be managed thoroughly so that there will be no negative effect to the blood receiver once they receive blood. Similarly the demand for platelets has also increased. During the monsoon season in Bangladesh, the demand for platelets increases several times during dengue. Many dengue fever patients die due to lack of platelets. To handle these internal operations of a Blood and Platelets Bank we have made a Web based application.

This blood donation system is an online website so it is easily available to everyone. No doubt blood is essential to save lives. The high demand for blood cannot compete with the amount collected through blood donation so we need to increase the number of blood donors. To this end we want to develop a blood management system where blood donors complete the registration themselves and donate blood when someone need blood. The demand for blood in Bangladesh is increasing day by day and the demand for platelets has also increased. During the monsoon season in Bangladesh, the demand for platelets increases several times during dengue. Many dengue fever patients die due to lack of platelets. So our goal is if no one dies for lack of blood or platelets.

## **Critical Challenge :**

Working with the Security will be the most critical challenge for this project. Our first challenge is to register the blood donors in our system. Second challenge is to update real time data into database. When someone donates blood, their information is updated immediately so that the blood donor does not have to face any problem.

**Conflict Requirements :**

Our potential complication is keeping a blood donor's blood and platelet donation information up-to-date in our database so that the same person cannot donate blood and platelets at the same time.