

CHAPTER 1

INTRODUCTION

Every year our nation requires about 4 Cr. units of blood, out of which only 5 Lakh units of blood are available. It is not that, people do not want to donate blood. Often they are unaware of the need and also they do not have a proper facility to enquire about it. As a result, needy people end up going through a lot of pain. India has many blood banks, all-functioning in a decentralized fashion. In the current system, individual hospitals have their own blood banks and there is no interaction between blood banks.

The management is ad-hoc with no semblance of organization or standard operating procedures. Donors cannot access blood from blood banks other than the bank where they have donated blood. In present system all the blood banks are attached to hospitals and there is no stand-alone blood bank. Some hospital has its own systems and limitations. Because of low number of donors and more number of blood banks, the efficiency and quality of blood banks are low, resulting in wastage of blood and blood components.

1.1 PROBLEM STATEMENT

The main aim of the project is to effectively manage the blood banking system. This project enables the users to access nearest blood bank with GPS, it also checks the availability of the required blood group, provides necessary information about the volunteer blood donors who have registered by installing the application.

1.2 OBJECTIVES

- An easy way to search the nearest blood banks to the accident site with the help of GPS.
- An effective way to find out the availability of the required blood groups in the blood banks.
- A proficient way to search the volunteer blood donors.
- Providing tips regarding the necessary measures that are to be taken before the blood donation.