Name of the project:

The blood supply system

Domain of the project:

Healthcare

Description:

According to the American Red Cross, nearly 5 million people require blood transfusions each year. In the times of emergency and disasters blood and blood products turn out to be a life-saving and key component, so it is very important that its supply and availability is maintained effectively. Hence we are developing this software to automate the blood supply system and provide patients with blood when they need the most and at the same time maintaining the safety of the donors.

Scope of the project:

1) Donor management:

* Donor schedules an appointment with the receptionist for blood donation
* Then donor visits the blood bank to donate

2) Lab processing:

* All the blood samples received from blood bank are tested and if approved are packed and forwarded to the distribution center for storage

3) Distribution management:

* Blood and blood products are stored safely in the distribution centers.
* Distribution centers receive requests from hospitals

Conclusion:

Many life-saving medical treatments and procedures involve blood transfusions and would not be possible without a safe and reliable blood supply. Our goal is to provide safe and reliable blood services to all the needful patients. Blood donors play a very major role is today’s healthcare system and this application will speed up the process of donation and attract many new blood donors.