PROJECT NAME:

Blood Distribution System

DOMAIN OF THE PROJECT:

Healthcare

PROJECT DESCRIPTION:

To optimize blood distribution system mechanism to make blood and its products quickly available to destination in adequate time. Currently, the distribution system is not so efficient to utilize available blood resource and since, blood expire in 45 days it is imperative to utilize before it expires and thus requires tactical operational issues involved in collecting blood, producing multiple products, setting and controlling inventory levels, allocating blood to hospitals, delivery to multiple sites, and making optimal decisions about issuing blood and blood products.

SCOPE OF THE PROJECT:

1. Collecting donors’ information(registration).

2. Filtering of Donors based on specific rules.

3. Collecting of blood

4. Safety measurements for blood storage.

5. Maintaining inventory system

6. Analysis of demand and supply of blood.

CONCLUSION:

Developed application will help in maintaining adequate supply of blood whenever demand is more in any other hospital, blood bank or at large in any countries and thus, allowing in proper utilization of blood and its byproduct before it due expiry date.

Also, it will help in addressing medical emergency arises out of shortage of blood for patients suffering from thalassemia, chronic blood disorder, etc. in any places where there is lack of blood donation awareness.

Application will sense the urge of more demand from region whenever there are expected chronic cases arises out of weather borne disease e.g. dengue which require blood platelets.