**Velagapudi Ramakrishna Siddhartha Engineering College Department of Information Technology**

Class: 3rdYear Section: B Year: 2020-2021

**Online blood donation system**

**Motivation:**

The recent coronavirus pandemic has hit the economy as well as medical conditions of country. With the increase in number of affected people for this virus the demand of hospitals, medical staff and medical appliances has been increased. With an increase in the need of blood donors, hospitals are facing a lot of difficulties in finding them. Patients want to get blood to live at emergency time. At present people are willing to donate blood and hospitals are in need of blood. So to connect the hospitals, organizations in that emergency time we hereby propose a web based online blood donation system that provides a platform of interaction in case of emergency.

**Problem Description:**

Due to the present global pandemic, we have been facing a lot of difficulties with blood donation at emergency situations. So we here by put forward to build a web based online blood donation system which aims at providing a platform between donor, hospitals and organisations and the receiver at emergency situations. It contains blood requirement posting that helps people to have knowledge about patients in need of blood and people who are willing to donate blood can come forward easily.

**Benefits**:

* The time required to look for a donor at emergency situations get reduced.
* It provides the unique identification number at the time of blood donation camp which helps him for the future correspondence. It gives the unique user id and password for those donors who are applying online.

**Innovation and Uniqueness:**

This is a platform to find the blood donors and their information in critical situation. The front-end of web portal uses HTML, CSS and JavaScript. The back-end involves data retrieval and updating using SQL and back-end language is PHP.

**Feasible solution:**

This system can be used as a real-time application in case of emergencies there by helping the emergency cases reducing their time and risk factors.

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