

## Life Saver Web Application: A Review

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**Abstract-** The proposed system presents the details of student's blood groups and the contact details. This application is very useful for our college students and staffs. "LIFE SAVER WEB APPLICATION" saves the valuable life of a person. The students those who wish to donate their blood, must register their blood group and contact details. The user just need to enter the wanted blood group only. This application can be extended in future like this college level to university level.

**Keywords:** web application, blood donation

### 1. Introduction

The life saver is a web application to easily find the accurate blood donors in "SREE KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY". The proposed system presents the details about the student's blood groups and the contact details. So those who are interested in blood donation can register in this web app. All AIT students can be a member of this web app."LIFE SAVER WEB APP" is mainly concentrated on youth to develop the awareness blood donation especially in students .Scarcity of blood is increasing day by day. In emergency situation this app overcomes the requirement of blood. It is very useful in emergency situations. Here we include the details of our college members of CSE department only, later it can be extended to the university level. Blood donation is a major concern to the society as donated blood is lifesaving for individuals who need it. Blood is scarce. There is a shortage to active blood donors to meet the need of increased blood demand. Blood donation as a therapeutic exercise. Globally, approximately 80 million units of blood are donated each year. One of the biggest challenges to blood safety particularly is accessing safe and adequate quantities of blood and blood products. Safe supply

of blood and blood components is essential, to enable a wide range of critical care procedures to be carried out in hospitals. Good knowledge about blood donation practices is not transforming in donating blood. Interactive awareness on blood donation should be organized to create awareness and opportunities for blood donation. Blood donation could be therefore recommended that voluntary blood donations as often as possible may be therapeutically beneficial to the donors in terms of thrombotic complications and efficient blood flow mechanisms. This is also a plus for blood donation campaigns. Here we provide many facilities to overcome the issues of various blood donation app for easiness and improvement.The factors impacting blood donation decision are different and complex. The prediction of blood donation behavior can be determined by intentions of the persons. According to the World Health Organization (WHO), 1% of the population is generally the minimum needed to meet the country's most basic requirements for blood; hence the estimated blood requirement of South East Asia is about 18million units per year, and the annual collection is about 9.4million units, leaving a gap of 6million units. In India, the proportion of blood units collected through voluntary blood donation at National AIDS Control Organization (NACO) supported blood banks was 84.3% in 2012. There is a need to fill this gap of demand and supply from various sources. One of the potential sources that can be used for blood donation is the young and physically fit students from educational institutions across India. They can meet the blood demands of our country and provide safe and quality blood and blood components collected from healthy voluntary donors. In order to be able to tap this valuable source of safe blood, it is pertinent to have information regarding their attitude towards blood donation and whether they have adequate knowledge to make the decision to

donate blood and what factors are associated with their knowledge as well as donation behavior.

**D.Problem description**

There are some similar web applications available in play store. But sometimes unavailability of blood during emergency happens in our nearby places. Also scarcity of the rare blood groups occurs. This application gives the awareness of blood donation and blood transfusion among students. The existing system has some demerits. The user can collect the contact details of the donor directly .so there is a chance for misusing with their contact details. To overcome this we provide certain security measures. Only the admin can contact with the donors and the admin can only update and maintain the details. The security system is that, when a user requested for a blood group the user can only contact the admin not to the donor directly. The admin will pass the message to the donor during the requirement of required blood groups. By this the blood request recipient gets the required blood group.

**4..Proposed System**

We have created the pages such as donor profile and registration page for new users. Acceptor page which can access directly. Admin have an another way to enter this application and can manage the acceptor and donor details. Acceptor do not have the ability see the donor details.Through this a security is provided from the misuse of contact details.

**PHP:** PHP is server side scripting system which stands for Hyper Text Preprocessor. Its syntax is based on Perl, java and C. It's very good for creating dynamic content.PHP code is embedded in to HTML or it can be used with various web template systems and web frames.PHP code is implemented with a PHP interpreter.PHP generally runs on web server. It can be used for client side graphical user interface and command line scripting.PHP acts primarily as a filter, taking input from a file or stream containing text and/or PHP instructions and outputting another stream of data.

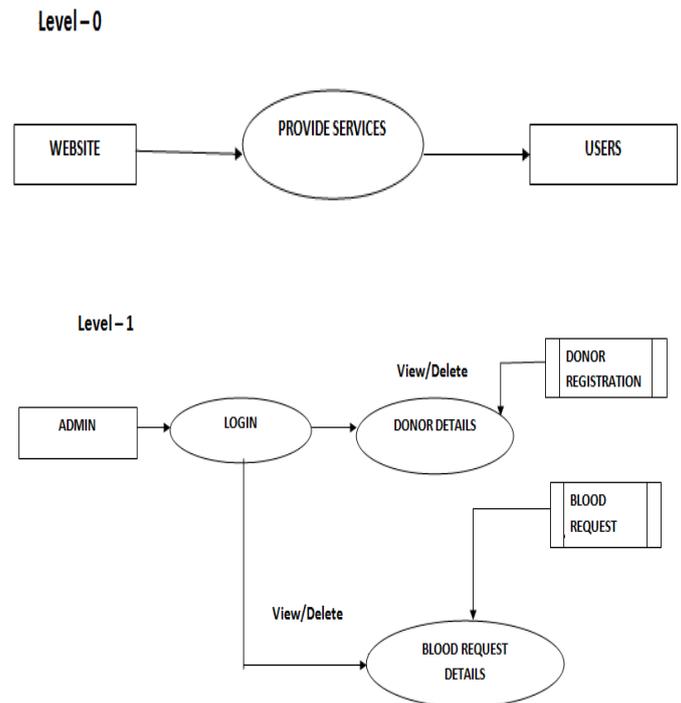
**OBJECT ORIENTED PROGRAMMING:**

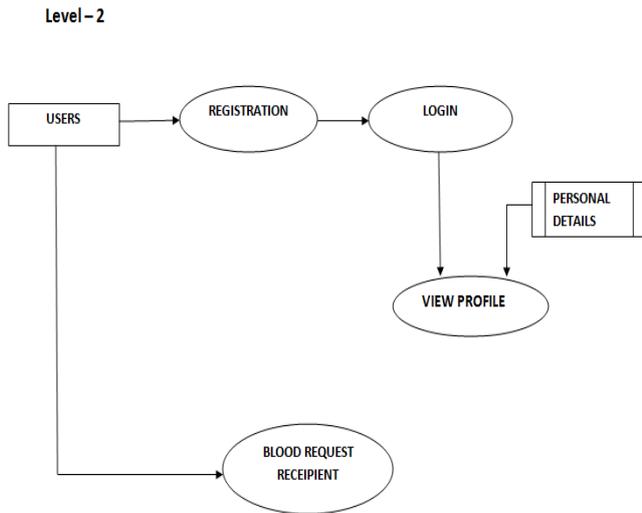
Object-oriented programming (OOP) is a programming paradigm based on the concept of "objects", which may contain data, in the form

of fields, often known as attributes and code, in the form of procedures, often known as methods. A feature of objects is that an object's procedures can access and often modify the data fields of the object with which they are associated in OOP, computer programs are designed by making them out of objects that interact with one another. There is significant diversity of OOP languages, but the most popular ones are class-based, meaning that objects are instances of classes, which typically also determine their type.

**MYSQL:** MySQL is a relational database management system (RDBMS).Database management system means it manages the database and connects them to the softwares.It is more powerful and stable. It is available on shared hosting packages. MySQL can be used for various applications mainly it is found on web servers. It mainly uses PHP for web scripting.

**A.Dataflow Diagram**





### 5. Conclusion and Future work

“Lifesaver web application “development is completely for SKCET. This application can be used for the students in our college. This paper presenting as an offline a web app. Later it can be extended to university level. Our goal is to achieve “improve, inspire, imply”. The students those who are interested in blood donation can register in this website. An external blood recipient can register for their requirement of required blood group. If we installed this web site with the server in the college this app can be used by all the systems in the lab it helps the students for registration quickly. This project is to reduce the scarcity of blood during

emergencies. In future we can extend this app in university level.

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