

ABSTRACT

The aadhaar is a 12-digit unique identity number issued to all Indian residents based on their biometric and demographic data. The aadhaar details are maintained by the Unique Identification Authority of India (UIDAI) which is a government organisation. Blood is a body fluid in humans and other animals that delivers necessary substances such as nutrients and oxygen to the cells and transports metabolic waste products away from those same cells. The blood has become a vital and precious fluid during the times of emergency and situations like war and so the blood donation has become a multi- billion dollar business of annual turnout of \$ 4.2 billion in the recent times. The blood which we donate through the blood donation camps and NGO's are sold in the underground without the knowledge of the donor. Incase of non availability of the required blood the victims move for the social media publishing where some may use the same media to spread the false rumors about the blood donation. So the reliability of the donor has gone down. Due to some errors and technical faults an average of 1 in 20 packets of donated blood is wasted. In order to overcome this situation the proposed model aims to link the aadhaar number with the blood group and provides the right to hospital admins to access the main database where the data is stored during the emergency. So the blood will be obtained from the donors in the nearby zones in required time. When an emergency occurs the hospital admins can login into the application and register the required blood group and notification can be sent to the people within the locality through Short Message Services(SMS) or through the notification mail to the registered e-mail. By this method we can make the blood donation from business oriented to service oriented. In addition to the above mentioned method in order to promote the method among the people awareness camps can be organised and a free checkup can be provided to those who donate the blood. Let us donate our precious blood and save the precious life of many people and make our nation a healthy and prosperous in the near future.