PROBLEM STATEMENT

During the COVID 19 crisis, the requirement of plasma became a high priority and the donor count has become low. Saving the donor information and helping the needy by notifying the current donors list, would be a helping hand. In regard to the problem faced, an application is to be built which would take the donor details, store them and inform them upon a request. The proposed system implements a cloud based web application as a solution to this problem. The web application is implemented using Python flask and Docker software. The details of the donors are fetched using a form filling structure and later embedded with the cloud storage. The receiver of the plasma has to make a request for a particular blood group in the application itself. The applicable donor and receiver are connected anonymously and the blood is donated. The donor and receiver are connected through a unique id which keeps the identity of both donor and receiver hidden.