ORGANUM CHAIN

Problem Statement:

The problem of non-availability of organs is increasing day-by-day. In India alone, it has been estimated that nearly 500,000 people die every day because of non-availability of organs. In most of the cases, the patients were not able to find the donors because of lack of proper ways of communication to the donors. The need for connecting the organ donors and recipients has been far more critical than ever.

In many situations, organs are being transplanted at different high prices under the present irregular system. The increasing costs are due to the fact that the hospitals have become a monopoly in setting the prices and also due to some illegal practices.

The cost of organ transplantation is very high. The cost of kidney transplantation in India is nearly 20-30 lakhs which is not affordable for many patients and they look for help.

Taking into consideration the above 3 points, our team would like to solve these problems using the blockchain technology.

What are we trying to do:

Creating a proper communication system, by storing every donated organ record and using the blockchain technology to distribute this data among all hospitals. This data can be made available to the patients who is in need. The organ transplantation will happen by abiding the rules and policies of the particular country from where the organ donation is occurring.

Tracking every organ transplantation record to make the cost of transplantation transparent. This helps to reduce the additional costs which occur due to the monopoly of hospitals and also some of the illegal practices.

The above distributed data is also made available to the government and organizations, so that they can use this system to track the prices and provide proper monetary fund to the patients who can't afford the organ transplantation. This also makes sure that funding is utilized in the correct way.

Conclusion:

Thereby, we are using the blockchain technology to save lives by making the organ donation and transplantation reachable to everyone.