**Title of the Project :** Chain-Of-Hope: Blockchain for Ethical Blood and Organ Matching

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**ABSTRACT**By using blockchain technology to fight unethical behavior and illicit trade, the Chain-Of-Hope initiative offers a revolutionary method for blood and organ donation. The project tackles the worldwide organ trafficking issue while advancing health, justice, and institutional transparency in line with the UN’s Sustainable Development Goals (SDGs 3 and 16). Anonymous, moral, and traceable donor-recipient pairings are guaranteed by the system's secure matching protocol, which is driven by smart contracts and decentralized ledgers. To provide a scalable and reliable platform, the design combines Web3 technologies, Ethereum-based smart contracts, and simulation environments such as Ganache. Through gradual adoption, from pilot projects to widespread adoption, Chain-Of-Hope aspires to a time when every donation is protected by honesty, openness, and cutting-edge technology.