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MLR INSTITUTE OF TECHNOLOGY
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DEPARTMENT OF DATA SCIENCE & CYBER SECURITY

IV CS Major Project Phase-I

A.Y. 2024-2025

Date: 22-08-2024

Domain / Areas	DATA SCIENCE
Title of the Project	BLOOD TRANSMUTATION USING MACHINE LEARNING TOOLS
Team Leader	1. CHILUKURI SAI PRIYA - 21R21A6714
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ABSTRACT:

This study investigates the feasibility of blood transmutation through the application of machine learning and data science methodologies. By analyzing extensive datasets on blood group antigens, genetic markers, and biochemical properties, the research aims to uncover patterns and mechanisms that could enable the safe alteration of blood types. Advanced computational models and simulations are employed to explore potential pathways for blood type conversion, ensuring compatibility and minimizing risks. The successful implementation of these techniques could significantly mitigate blood shortages, enhance transfusion safety, and provide a more reliable blood supply for patients in critical need. This research represents a pioneering step towards reshaping the future of blood transfusion and addressing urgent global healthcare challenges.

Software/Hardware Needs	**Python and Machine Learning tools, computer or laptop**

Signature of the Incharge