SCHOOL OF COMPUTING SCIENCE & ENGINEERING

PROJECT APPROVAL FORM AND

ABSTRACT Odd 2024-2025

B. Tech.

Project Details:

Title	**Android Blood Bank**		
Project Type	☐ **Community based design problem (Interdisciplinary)** ☐ **Sustainable development goal** ☐ **App Development / Utility** ☐ **IOT/Hardware based** ☐ **AI/ML/Data Science** ☐ **Healthcare Projects**	**Project Outcome**	☐ **Project and Research Paper** ☐ **Project and Patent** ☐ **Project and Book Chapter**
Publication Target	☐ **SCOPUS Journal** ☐ **SCOPUS Conference** ☐ **SCOPUS Book Chapter** ☐ **SCI Journal**	**Guide Name: Dr. Abhishek Srivastava**	

Student Details:

S. No	Name	Enrollment Number	Admission Number	Program / Branch	Sem
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Guide Lines for One Page Abstract:

1. Project Title should be in bold letters maximum of two lines, and the font must be in Times New roman with the size of 22 and it should be in center alignment.
2. The Abstract should have minimum of 200 words and maximum of 250 words.
3. The Abstract should be in Justify alignment, and the font must be in Times New roman with the size of 14 and the line spacing must be in 2.0 exactly.
4. Please refer the next page for the Abstract format.

ABSTRACT

Android Blood Bank

Area/Domain of Project: AI & Mobile Application Development:

The Android Blood Bank application aims to revolutionize blood donation management by harnessing advanced technology to connect donors, recipients, and blood banks seamlessly. This innovative platform facilitates real-time communication and interaction while ensuring data security. Users can effortlessly register as donors, request blood, and find nearby donation centers through an intuitive mobile interface. Key features include real-time updates on blood type availability and AI-driven algorithms for efficient donor matching, which enhances the overall donation process. The system employs machine learning to optimize blood stock levels and predict future demand based on historical data and regional trends, allowing blood banks to respond proactively to community needs. Prioritizing data privacy and user security, the application incorporates robust encryption measures to protect sensitive health information. Designed for both individual users and blood bank administrators, it promotes a responsive and efficient donation network. By enabling faster response times in emergencies and improving the overall availability of blood, the Android Blood Bank application strives to enhance the blood donation experience and contribute to better health outcomes in communities, ultimately saving lives through innovative, technology-driven solutions.

Signature of Student **Signature of Guide**