# SRKR ENGINEERING COLLEGE::BHIMAVARAM

## *SRKR CODING CLUB*

## HACKOVERFLOW-2K24

***Note:*** ***Participants can select one of the statements provided in the document or bring their own problem statements, provided they align with one or a mix of the aforementioned themes.***

## *HEALTH CARE:*

1. **Chronic Disease Management Platform**: Create an application designed for the long-term management of chronic diseases like diabetes and hypertension. This platform would allow patients to track their health metrics, receive personalized treatment recommendations, and connect with healthcare providers for regular updates.

2. **AI-Driven Preliminary Diagnosis Tool for Dermatology**: Develop an AI-powered tool that allows patients to input images of skin issues. The tool will analyze the images, provide a preliminary diagnosis of dermatological conditions, and suggest potential treatments or a follow-up with a specialist.

3. **Real-Time Hospital Inventory Management**: Build a system that uses IoT sensors and AI to streamline inventory management in hospitals. This solution will provide real-time visibility of medical supplies, reduce manual effort, and help healthcare workers quickly locate and restock necessary items, improving operational efficiency.

4. **Medication Adherence and Reminder System**: Build a mobile or web app that helps patients manage their medication schedules by sending reminders, tracking medication adherence, and providing detailed information about the medicines they are prescribed. The system should integrate with hospital databases to allow healthcare providers to monitor patient compliance.

5. **Block chain-Based Blood Donation and Supply Chain Management**: Develop a block chain-powered system to track and manage the entire blood donation process—from donor registration to blood collection, storage, and distribution. The platform should ensure transparency, traceability, and security, allowing hospitals to monitor blood stock levels in real-time, trace the origin of donations, and match donors with patients in need more efficiently, reducing wastage and shortages.