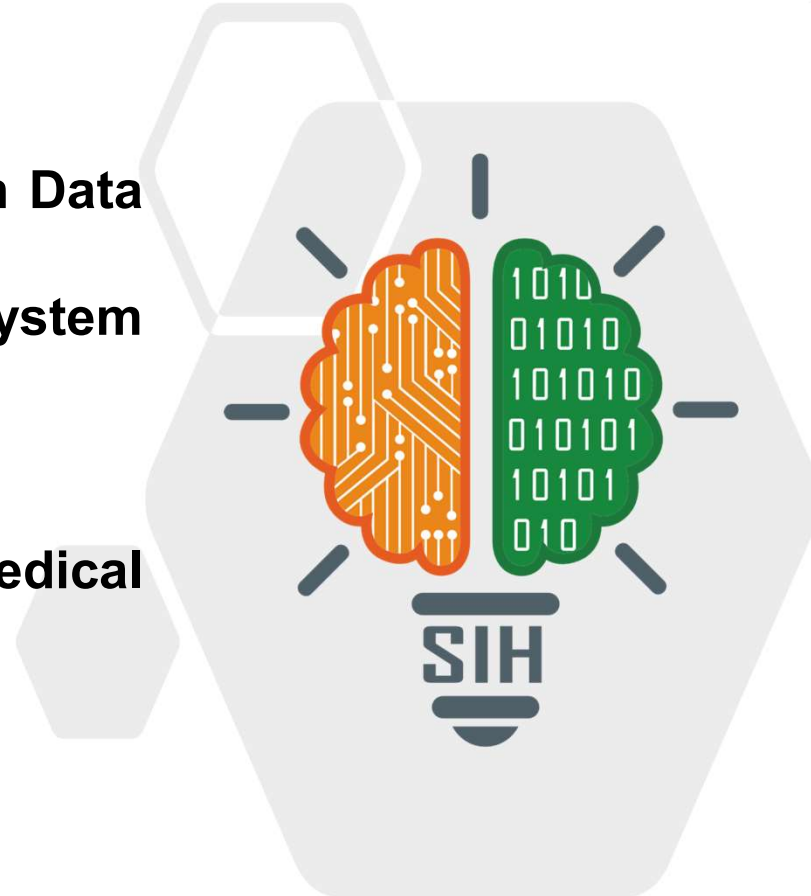


# SMART INDIA HACKATHON 2024



- **Problem Statement ID: SIH1626**
- **Problem Statement Title: Health Data Information & Management System Mobile Application (HDIMS)**
- **Theme: Healthcare and Biomedical Devices**
- **PS Category: Software**
- **Team Name: Power Nappers**



# Health Data Information & Management System (HDIMS)

## ❖ Proposed Solution

A mobile application aimed at providing a comprehensive health data management system for patients and healthcare providers. It facilitates 24x7 access to primary care, medical records, and personalized health recommendations.

## ❖ How it addresses the problem

- Streamlines health data collection and management.
- Provides real-time access to health information for patients and doctors.
- Enables remote monitoring and AI-driven medical advice.

Innovation and Uniqueness:

- AI-powered health insights and diagnostics.
- User-friendly interface with seamless integration of various health data sources.

# TECHNICAL APPROACH



## ❖ Technologies to be used

- Programming Languages: Python, JavaScript
- Frameworks: TensorFlow for AI, React Native for mobile app development
- Hardware: Smartphones, wearable health devices (optional)

## ❖ Methodology and Process for Implementation

- Integration of AI-based diagnostic tools with real-time health data monitoring.

# FEASIBILITY AND VIABILITY



## **Feasibility Analysis:**

- High feasibility due to existing technologies and platforms.
- Scalable and adaptable for future healthcare innovations.

## **Potential Challenges and Risks:**

- Data privacy and security concerns.
- Integration with various healthcare systems.

## **Strategies for Overcoming Challenges:**

- Robust encryption for data security.
- Collaboration with healthcare providers for seamless integration.

# IMPACT AND BENEFITS



## Potential Impact:

- Empowering patients with direct access to health data.
- Reducing the burden on healthcare systems with AI-driven diagnostics.

## Benefits:

- Social: Improved healthcare accessibility.
- Economic: Cost reduction in healthcare delivery.
- Environmental: Paperless health records management.

# RESEARCH AND REFERENCES



- Details / Links of the reference and research work