“SAMVED” HACKATHON 2026

TITLE PAGE

- **Problem Statement ID – 02**
- **Problem Statement Title - Smart Health Solutions for Solapur Municipal Corporation**
- **Theme - Good Health and Well-being**
- **Team ID - MITVPU_SAMVED_Team 28**
- **Team Name - Team Care & Cure**

MIT Vishwaprayag University

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Team Care And Cure

SMART GENCARE

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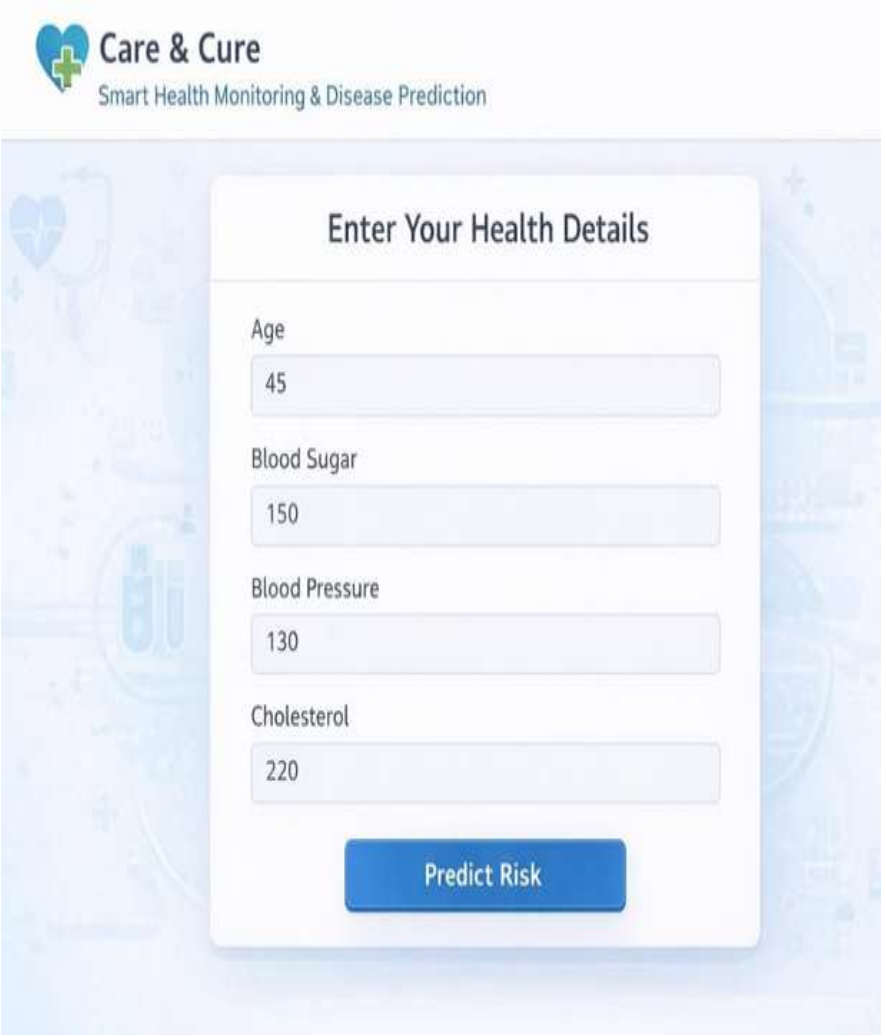
- Care & cure predicts and prevents the long term and short time diseases of an individual.
- Care & Cure website/App contains solapur citizens health information which predicts the risk of upcoming diseases and suggests the prevention.
- It is an advanced healthcare system that predicts possible diseases and analyzes an individuals's genetical information. It compares a persons genes with their current health condition and provides personalized preventive solutions.



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TECHNICAL APPROACH

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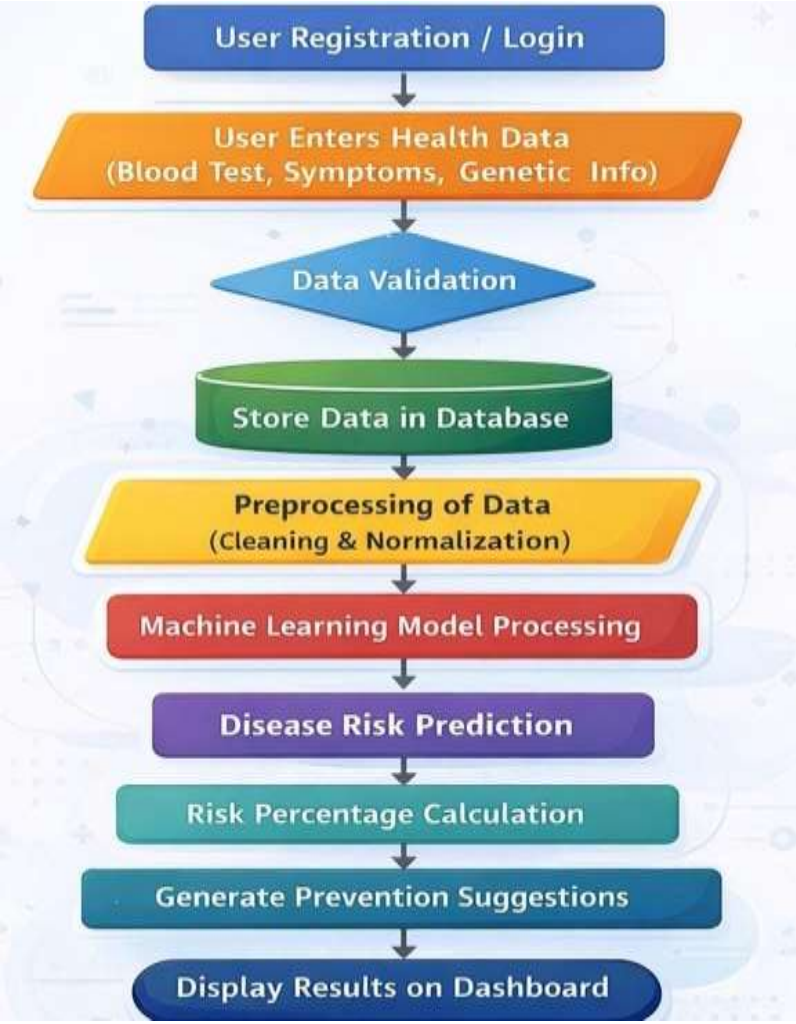
- Frontend Technologies: HTML5, CSS3, JavaScriptUser registration & login, Health data entry (blood test reports, symptoms, genetics), Dashboard with risk prediction results , Preventive suggestions.

- Backend Technologies: Node.js / Django/FlaskData processing, API development ,Authentication & authorization ,Communication with ML model

- DatabaseMySQL / PostgreSQL (Structured health data)MongoDB (Flexible medical records)Store: User profiles , Medical history ,Genetic information.



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FEASIBILITY AND VIABILITY

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- The Care & Cure system is feasible and it uses existing web and machine learning technologies. It is economically feasible as it relies on open-source tools. Operationally, it is user-friendly and beneficial for early disease detection.

- Potential challenges: Data privacy and security risks, operational challenges, Ethical risks.

- Strategies for overcoming these challenges:To Implement HTTPS encryption, Provide clear explanation of results, Test performance across different age and gender groups.

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IMPACT AND BENEFITS

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- Encourages timely medical consultation.
- Helps users identify possible health risks at an early stage.
- Early prediction lowers hospitalization expences.

- Detects potential health risks before symptoms become severe.
- Minimizes unnecessary diagnostic tests.
- Quick online risk analyses.