SMART INDIA HACKATHON 2025

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- **Problem Statement ID –** SIH25023
- **Problem Statement Title - AyurSutra** Panchakarma Patient Management and therapy scheduling Software
- **Theme -** MedTech / BioTech
- **PS Category-** Software
- **Team ID -** IGNIVARIS
- **Team Name -** IGNIVARIS

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IDEA / SOLUTION :

- **Centralized Management**: Unified, secure, digital system replacing paper-based documentation.
- **Automated Scheduling**: Intelligent session planning with easy modification and calendar view.
- **Pre/Post Notifications**: Automated reminders via app, SMS, or email for procedure precautions.
- **Real-Time Tracking**: Visual timelines, charts, and progress bars for therapy and recovery.

Problem Resolution :

- **Minimizes Inefficiency & Errors**
- **Ensures Consistent Therapy Quality**
- **Enables Easy Tracking**

Unique Value Propositions (UVP) :

- **Holistic Patient Engagement**
- **Streamlined Clinic Operations**
- **Future-Ready & Scalable**

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TECHNICAL APPROACH

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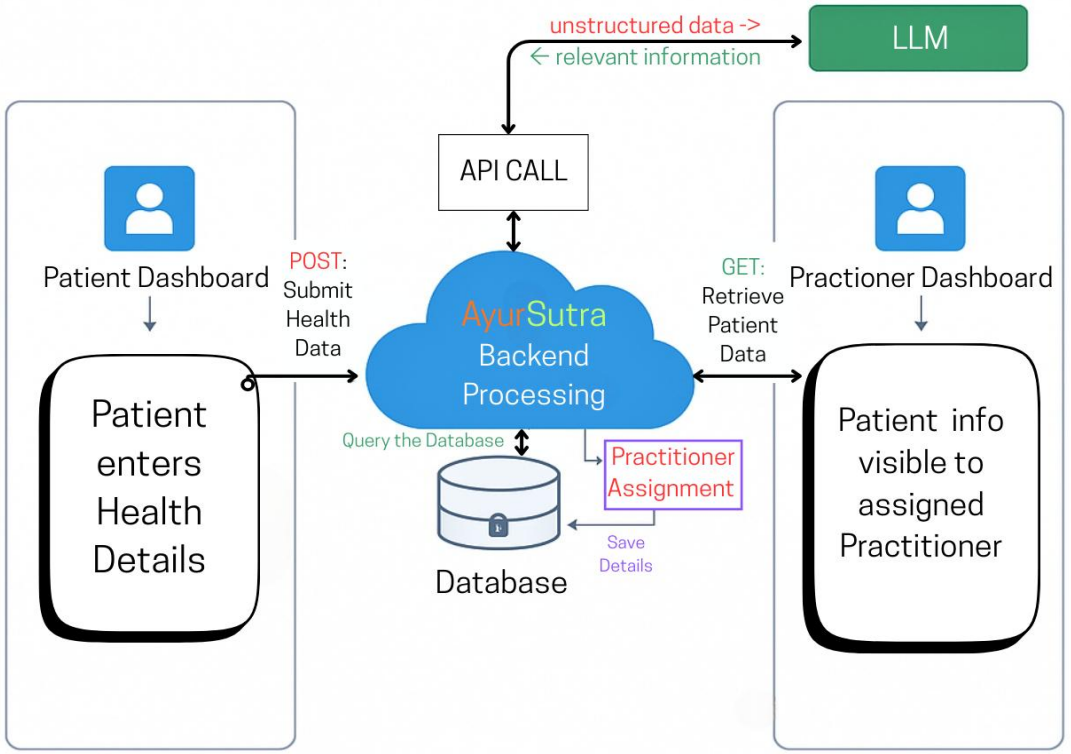
Technical Approach:

- **Scheduling Algorithm:**
  Custom-built to optimize therapy sessions based on therapist availability.
- **Frontend:** **React**, **HTML**, **CSS**, **JavaScript**
- **Backend:** **Node.js** + **Python**
- **Database:** **MongoDB** for flexible, scalable, and real-time data management.
- **Future Implementation:**
  - Patient visualization tools & automated feedback loop
  - Integration with payment gateway for seamless billing

PROCESS FLOW ARCHITECTURE



PROTOTYPE - https://ayursutra-ignivaris.netlify.app/

FEASIBILITY AND VIABILITY

❑ Market:

Ayurveda market growing at 16.2% CAGR, projected at $16B by 2026, creating strong demand for digital solutions.

❑ Technical:

The project scope is realistic, and a small team can successfully build the prototype within the hackathon period

❑ Operational Feasibility:

Easy adoption in both small clinics and large wellness centers with minimal training.
Works on mobile and web, ensuring accessibility even in low-resource settings.

IMPACT AND BENEFITS

❑ For Practitioners

- Streamlined admin tasks → more focus on patient care
- Data-driven decisions for better outcomes
- Standardized service quality across centers

❑ For Patients

- Transparent, accessible wellness journey
- Active participation through tracking & feedback
- Timely notifications ensure safety and adherence

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RESEARCH AND REFERENCES

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Market & Industry Analysis:

- "Ayurveda Market Size, Share & Growth Report, 2023-2030" by Grand View Research for market size and CAGR figures.
- “The Digital Transformation of Wellness" report by the Global Wellness Institute, highlighting the trend of integrating technology with traditional medicine.

Domain & Problem Validation:

- "Current Challenges in Panchakarma Management: A Practitioner's Perspective" - Interview series with local Ayurvedic clinics (conducted as part of our primary research).
- "Ayurveda in the Digital Age: A Study on Patient Engagement" - Academic paper published in the Journal of Alternative and Complementary Medicine.