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| **PSID: 1597 Project Summary Report Team ID: 238** | | |
| **Title** | AyuRaksha | **Theme**  **HEALTHTECH** |
| **Objective** | 1. Empowerment through Ownership 2. Transparency in Data Management 3. Mitigating Data Misuse Risk | |
| **Synopsis**  (Background  & Purpose) | Background:  Current Electronic Health Record (EHR) systems are centralized, making them vulnerable to data breaches, unauthorized access, and limiting patient control over their health information.  Purpose:  This project aims to create a decentralized EHR platform using blockchain, smart contracts, and IPFS for secure, encrypted health record storage. The system empowers patients with ownership of their data while ensuring privacy and secure sharing through Aadhaar-based verification. | |
| **Methodology**  (Flow Chart, Process Chart, etc.)  Along with Real Time Product Picture | A diagram of a software company    A screenshot of a medical application  A screenshot of a medical history    A screenshot of a graph  A screenshot of a computer | |
| **Products**  (Workshops, materials, skills developed)**& Product**  **Availability** | * **Workshops:** Hands-on sessions will be held on using Next.js for building decentralized applications, IPFS for secure data storage, and smart contracts for data management. * **Materials:** Participants will receive guides, sample code, and documentation on integrating Next.js with IPFS and smart contracts for decentralized EHR systems. * **Skills Developed:** Participants will gain expertise in Next.js development, decentralized storage with IPFS, and creating smart contracts for secure, verifiable data handling.   **Product Availability:** The decentralized EHR platform, built using Next.js, IPFS, and smart contracts, will be available as an open-source web app, allowing users to securely manage their health records. | |
| **Outcomes & Future Plan** | **Outcomes:**   * Improved data security with IPFS and blockchain. * Full user control over health records. * A modern, decentralized EHR solution using Next.js, IPFS, and smart contracts.   **Future Plan:**   * Scale the platform for wider adoption. * Integrate with other healthcare systems. * Add new features like data analytics and enhanced privacy controls. | |