

ANNA UNIVERSITY
NAAN MUDHALVAN – GUIDED PROJECT
BRAINSTROMING
TRANSPARENT EDUCATION DATA MANAGEMENT

DATE	03 NOVEMBER 2023
TEAM ID	NM2023TMID04485
PROJECT NAME	DRUG TRACEABILITY
COLLEGE NAME	SSM COLLEGE OF ENGINEERING

Ideation & Brainstorming:

BRAINSTORMING IDEAS

TEAM GATHERING

1. Ajith.M
2. Akshay.G
3. Anitha.S
4. Anurithi Gantthi.K
5. Vignesh.K

GOAL

Developing a system for drug traceability using blockchain technology is a critical application that can enhance patient safety and ensure the authenticity of pharmaceutical products

AJITH.M

• User Access and Roles:

- Identify the different roles and permissions for participants in the system, e.g., manufacturers, distributors, pharmacists, and consumers.

• Data Input Mechanism:

- Determine how data will be recorded on the blockchain. This could be through IoT sensors, barcode scanning, or manual entry.

AKSHAY.G

• Verification Process:

- Develop a mechanism for verifying the authenticity of a drug. This could involve scanning a QR code or accessing a web portal to check the blockchain.

• Smart Contracts:

- Implement smart contracts for automating certain processes, such as payment between parties, alerts on product recalls, and compliance with regulatory requirements.

ANITHA.S

• 1. Privacy and Security:

- Explore methods to protect sensitive information and ensure privacy. Consider using zero-knowledge proofs or other privacy-enhancing technologies.

• Data Analytics:

- Implement data analytics tools to track and analyze the movement of drugs throughout the supply chain. This can help identify trends and potential issues.

ANURITHIGANTHI.K

•**Global Reach:**

- Consider how the system can be designed to facilitate international drug traceability, addressing global supply chain issues.

•**Sustainability:**

- Explore the environmental impact of the blockchain system and aim for sustainable practices.

VIGNESH.K

•**Testing and Pilots:**

- Conduct extensive testing and pilot programs involving various stakeholders to identify and resolve issues.

•**Feedback Mechanism:**

- Create a feedback loop to continuously improve the system based on the experiences and suggestions of users.