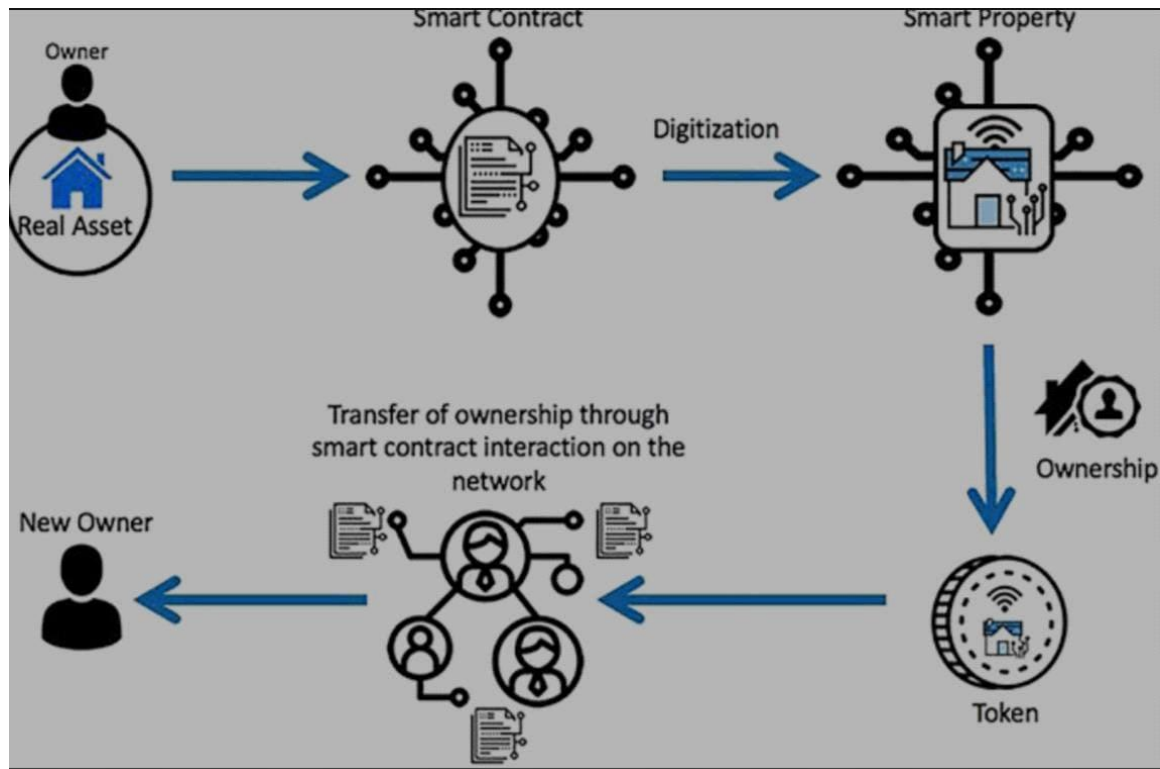


**Project Design
Phase-II**

**Data Flow
Diagram & User
Stories**

Date	23 october 2023
Team ID	NM2023TMID01014
Project Name	REAL ESTATE USING BLOCKCHAIN TECHNOLOGY

Data Flow Diagram :



A flow diagram of real estate transactions using blockchain technology can be a powerful visualization of how this innovative technology can streamline and secure various aspects of the real estate industry. Here's a simplified theoretical flow diagram outlining the key steps involved: Property owners or agents list the property on a blockchain-based real estate platform. Property details, including images, documents, and descriptions, are uploaded to the blockchain.

Characteristic of blockchain technologies

Some key characteristics of blockchain technologies are listed as follows:

Property Listing: Property owners or agents list the property on a blockchain-based real estate platform. Property details, including images, documents, and descriptions, are uploaded to the blockchain.

Property Verification: Property information is verified and validated by a network of nodes on the blockchain. Ownership records, permits, and zoning information are cross-referenced to ensure accuracy.

Smart Contracts Creation: Smart contracts are created to outline the terms and conditions of the transaction, such as price, payment schedules, and other contingencies. These smart contracts are stored on the blockchain and automatically executed when conditions are met.

Buyer Registration: Potential buyers create a digital identity on the blockchain. KYC (Know Your Customer) and AML (Anti-Money Laundering) checks are performed, ensuring the legitimacy of the buyer.

Property Viewing and Offers: Interested buyers can view the property details, schedule viewings, and make offers through the blockchain platform. Offers are made using digital tokens or cryptocurrencies.

USER STORIES :

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Name
Authorities	User Registration	USN-1	As a regulatory authority, I want to monitor real estate transactions for compliance with local laws and regulations.	I can access the blockchain's transparent records to ensure tax compliance and adherence to real estate regulations.	High	Sathish.N
Real estate agent	Updating information	USN-2	As a real estate agent, I want to use blockchain to verify property information.	I can quickly access property records and verify ownership, eliminating the need for time-consuming manual checks.	High	Sathish.C
Buyer	Verification	USN-3	I can filter properties based on my preferences, such as location, price range, and property type, with confidence in the accuracy of the listings.	We can use the blockchain platform's secure messaging and communication channels to negotiate and come	High	Dinesh

				to a mutual agreement.		
Seller	Price comfort	USN-4	As a buyer and seller, we want to negotiate terms and conditions of the transaction securely.	I can easily upload property details, documents, and images, knowing that the blockchain will verify and validate the information for potential buyers.	High	Saravanan