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Simple Explanation:

? Decentralised Applications (DApps): DApps are software applications that run on a blockchain, eliminating the need for a central authority. This gives users more control and transparency over their data and interactions.

2. How DApps Work:

?? Backend & Frontend: The backend of a DApp operates on blockchain technology, while the frontend can be built using nearly any programming language. Smart contracts serve as the bridge between the frontend (user interface) and the blockchain backend. They handle all logic and interactions securely and transparently on the blockchain.

? Peer-to-Peer Network: DApps run on a distributed network of computers (nodes), making them decentralised and resistant to censorship or control by any single entity. Instead of relying on a central server, each node plays a role in maintaining the application.

3. Some Applications:

? Real Estate: DApps can manage property transactions with transparency, reducing the risk of fraud.

? Finance (DeFi): DApps enable decentralised financial services like lending, borrowing, and trading without intermediaries like banks.

? Supply Chain Management: DApps track products from origin to consumer, increasing transparency and trust within the supply chain.

4. Why DApps Matter:

? No Central Control: DApps operate outside the control of any single authority, promoting fairness, security, and user autonomy.

? Transparency & Trust: Blockchain ensures all transactions and actions within a DApp are transparent and verifiable, building trust among users.

5. How to Teach Others:

? Use Real-Life Examples: Explain that DApps function like regular apps but operate on a decentralised network, giving users more privacy and control.

? Highlight Versatility: Emphasise the broad range of applications for DApps, from finance to gaming, and how they are reshaping digital services.

By J @nedyajpanapa