Application of Blockchain and Internet of Things Integration in Corporate Settings

Using IOT and blockchain to create an automated and secure process flow which aims to preserve meeting minutes integrity and reduce human interventions on editing the meeting minutes.

Technology used:
Minutes Recording Android Application (IOT)
Firebase (cloud)
Decentralized Application (DAPP) Web Interface
Private Ethereum (blockchain)

Meeting minutes uses speech recognition tools provided in Android Studio. Firebase function as an intermediary layer to hold and provide the meeting minutes content to clients. Python uses TextBlob package for sentiment analysis and returns the meeting minutes sentiment score. DAPP retrieves meeting minutes content and sentiment score from Firebase and stores it into the Ethereum private blockchain. DAPP can be used to retrieve meeting minutes content from Ethereum private blockchain and display it on the DAPP.

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