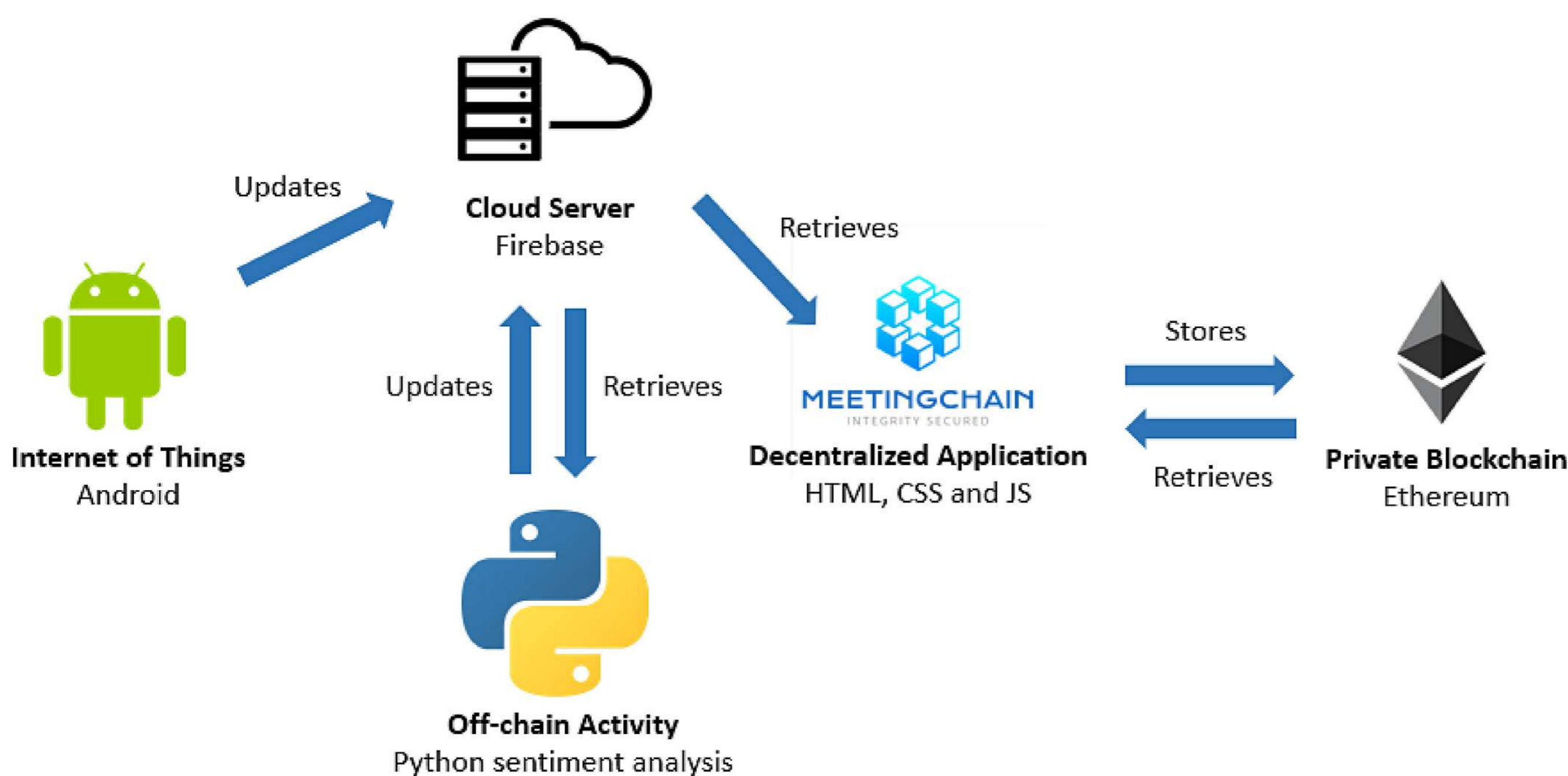
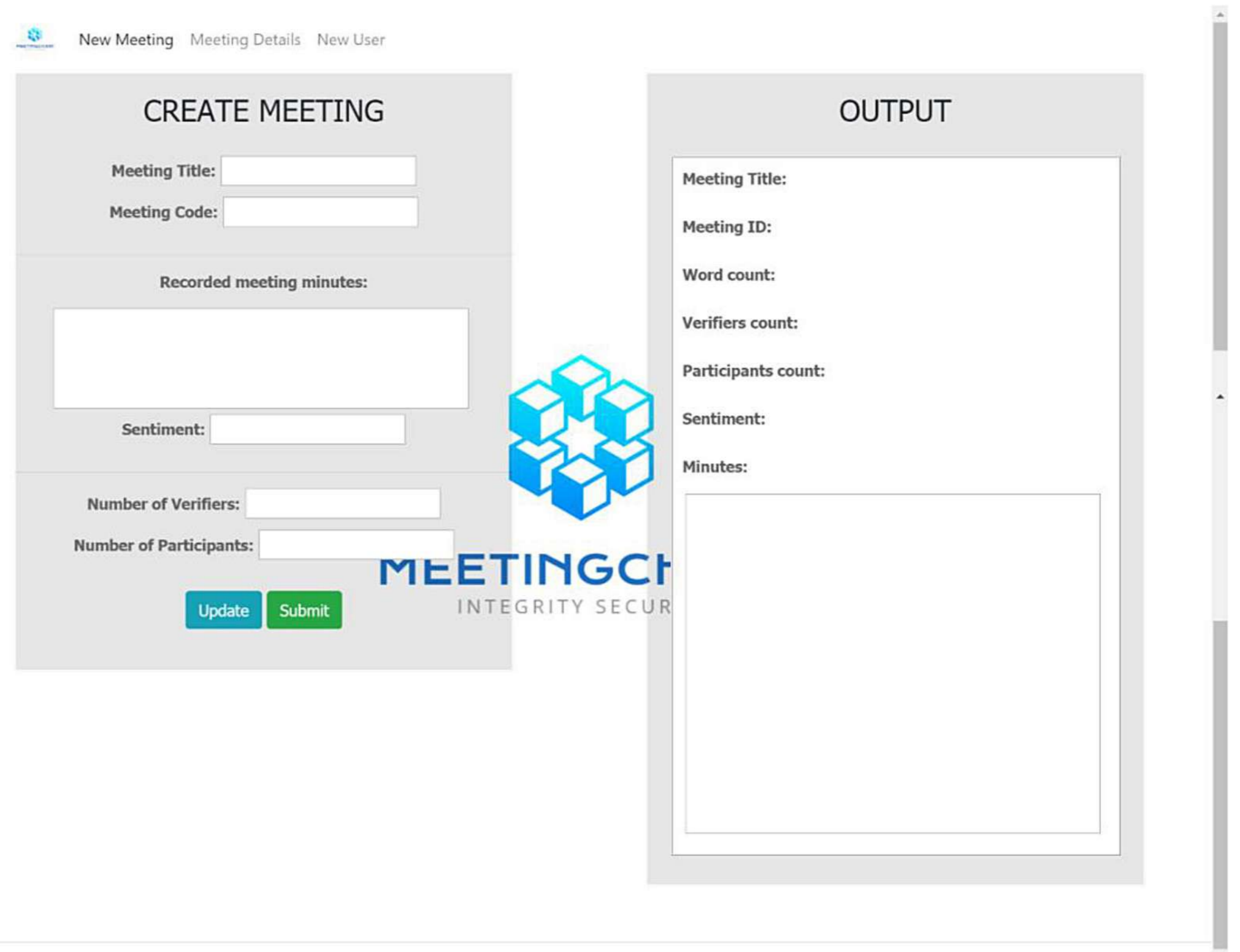


Application of Blockchain and Internet of Things Integration in Corporate Settings

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)



Stage	Human Involvement/ Doable Actions at Each Stage
Meeting minutes recorded by Android application (IOT)	User sets initial settings User starts recording
Meeting minutes will be updated to Firebase	
Python performs analytics using meeting minutes retrieved from Firebase	User runs the script
Sentiment score from Python will be updated to Firebase	
DAPP retrieves and display meeting minutes	User sets settings
DAPP stores meeting minutes in blockchain and can be retrieved in the future	User stores/ retrieves meeting minutes

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.