

CLAIMS

What is claimed is:

1. A computer-implemented method for generating an immutable digital meeting record, the method comprising:

generating, by a network node of a plurality of network nodes, a digital meeting record containing one or more data fields for information associated with a meeting;

importing, by the network node to the digital meeting record, a meeting decision executable code located in a block of a block chain, the meeting decision executable code containing one or more coded conditions for a decision in the meeting from a decision criteria library stored in a blockchain;

associating, by the network node, the digital meeting record with a plurality of digital identity records stored in the blockchain, wherein each of the plurality of digital identity records is associated with a respective attendee of the meeting;

executing, by the network node, an attendee verification executable code to authenticate a plurality of attendees to the meeting, wherein authentication for each attendee is based upon a match between a one directional cryptographic hash of biometric information received from the attendee and a one directional cryptographic hash stored in a respective digital identity record associated with the attendee, wherein the respective digital identity record stores the one directional cryptographic hash of biometric information without storing the biometric information;

generating, by the network node, a one directional cryptographic hash of a document and storing in the digital meeting record the one directional cryptographic hash in association with the a first digital identity record of a first attendee of the plurality of attendees, wherein the document is stored in a non-blockchain document repository;

executing, by the network node, an attendee action executable code to capture in real-time and store in the digital meeting record actions of each of the plurality of attendees;

executing, by the network node, the meeting decision executable code on the captured actions of each of the plurality of attendees to determine one or more meeting decisions;

storing, by the network node in the digital meeting record, the one or more meeting decisions;

encrypting, by the network node, at least a portion of the digital meeting record using one or more encryption keys to generate an encrypted digital meeting record; and

appending, by the network node, the encrypted digital meeting record to the blockchain.

2. The method of claim 1, further comprising:

transmitting, by the network node, digital notification messages to respective client devices of each of the plurality of attendees.

3. The method of claim 1, further comprising:

storing, by the network node in the digital meeting record, respective location information of each of the plurality of attendees, wherein the respective location information is received from a global positioning system of a respective client device.

4. The method of claim 1, further comprising:

autopopulating, by the network node, a post meeting documentation based on the information in one or more date fields in the digital meeting record.

5. The method of claim 4, further comprising:

generating, by the network node, a one directional cryptographic hash of the post meeting documentation;

storing, by the network node, the one directional cryptographic hash of the post meeting documentation in the digital meeting record; and

storing the post meeting documentation in the non-blockchain document repository.

6. The method of claim 5, further comprising:

transmitting, by the network node, the post meeting documentation to a first client device of a first attendee;

receiving, by the network node, a first indication of an approval from the first client device, wherein first indication approval includes biometric information of the first attendee;

generating, by the network node, a first one directional cryptographic hash of the biometric information; and

storing, by the network node in the digital meeting record, the first one directional cryptographic hash of the biometric information in association with the one directional cryptographic hash of the post meeting documentation.

7. The method of claim 1, wherein the attendee action executable code captures location information, date, and time associated with the actions and decisions of each of the plurality of attendees.

8. The method of claim 1, wherein the actions and decisions of each of plurality of the attendees comprise at least one of vote, acknowledgement, approval, and sign-off.

9. The method of claim 1, further comprising:
setting, by the network node, a permission controls table for the digital meeting record.

10. The method of claim 1, wherein the blockchain is a latest valid blockchain, the method further comprising:

determining, by the network node, the latest valid blockchain based on a consensus threshold.

11. A system for generating an immutable digital meeting record , the system comprising:
a plurality of network nodes, each including a non-transitory storage medium storing a respective local copy of a blockchain;

at least one of the plurality of network nodes having a processor configured to:
generate a digital meeting record containing one or more data fields for information associated with a meeting;

import to the digital meeting record, a meeting decision executable code located in a block of a block chain, the meeting decision executable code containing one or more coded conditions for a decision in the meeting from a decision criteria library stored in a blockchain;

associate the digital meeting record with a plurality of digital identity records stored in the blockchain, wherein each of the plurality of digital identity records is associated with a respective attendee of the meeting;

execute an attendee verification executable code to authenticate a plurality of attendees to the meeting, wherein authentication for each attendee is based upon a match

between a one directional cryptographic hash of biometric information received from the attendee and a one directional cryptographic hash stored in a respective digital identity record associated with the attendee, wherein the respective digital identity record stores the one directional cryptographic hash of biometric information without storing the biometric information;

generate a one directional cryptographic hash of a document and store in the digital meeting record the one directional cryptographic hash in association with the a first digital identity record of a first attendee of the plurality of attendees, wherein the document is stored in a non-blockchain document repository;

execute an attendee action executable code to capture in real-time and store in the digital meeting record actions of each of the plurality of attendees;

execute the meeting decision executable code on the captured actions of each of the plurality of attendees to determine one or more meeting decisions;

store in the digital meeting record, the one or more meeting decisions;

encrypt at least a portion of the digital meeting record using one or more encryption keys to generate an encrypted digital meeting record; and

append the encrypted digital meeting record to the blockchain.

12. The system of claim 11, wherein the processor is further configured to:

transmit digital notification messages to respective client devices of each of the plurality of attendees.

13. The system of claim 11, wherein the processor is further configured to:

store in the digital meeting record, respective location information of each of the plurality of attendees, wherein the respective location information is received from a global positioning system of a respective client device.

14. The system of claim 11, wherein the processor is further configured:

autopopulate a post meeting documentation based on the information in one or more date fields in the digital meeting record.

15. The system of claim 14, wherein the processor is further configured to:

generate a one directional cryptographic hash of the post meeting documentation;

store the one directional cryptographic hash of the post meeting documentation in the digital meeting record; and

store the post meeting documentation in the non-blockchain document repository.

16. The system of claim 15, wherein the processor is further configured to:
transmit the post meeting documentation to a first client device of a first attendee;
receive a first indication of an approval from the first client device, wherein first indication approval includes biometric information of the first attendee;
generate a first one directional cryptographic hash of the biometric information; and
store in the digital meeting record, the first one directional cryptographic hash of the biometric information in association with the one directional cryptographic hash of the post meeting documentation.

17. The system of claim 11, wherein the attendee action executable code captures location information, date, and time associated with the actions and decisions of each of the plurality of attendees.

18. The system of claim 11, wherein the actions and decisions of each of plurality of the attendees comprise at least one of vote, acknowledgement, approval, and sign-off.

19. The system of claim 11, wherein the processor is further configured to:
set a permission controls table for the digital meeting record.

20. The system of claim 11, wherein the blockchain is a latest valid blockchain, and the processor is further configured to:
determine the latest valid blockchain based on a consensus threshold.