Contribution ID: **195**   Type: **Oral**

Digital Identity Using Blockchain : A Review

Blockchain is defined as an immutable ledger for recording transactions in a verifiable and permanent way, maintained within a distributed network of mutually untrusting peers. Every peer maintains a copy of the ledger. The peers execute a consensus protocol to validate transactions, group them into blocks, and build a hash chain over the blocks. This process forms the ledger by ordering the transactions, as is necessary for consistency. Blockchain technology was introduced by Satoshi Nakamoto (presumed pseudonymous person or persons)for his popular work of digital currency or crypto-currency, i.e., Bitcoin. Nakamoto used Blockchain technology to solve the double spending problem of Bitcoin but soon this novel technology was being used in many other applications.

Governments around the globe are some of the entities that are leading the digital transformation through digital identity. The adoption of Blockchain technology for digital identity solutions helps to empower citizens and build a more connected digital society. This Paper reviews the use of digital identity using Blockchain Technology.

Primary author: Mr KAPADE, Jitendra (Department of Computer Science, S.S.V.P.S's L.K.Dr.P.R. Ghogrey S.S.V.P.S's L.K.Dr.P.R. Ghogrey Science College , Dhule)

Co-author: Dr SSVPS DHULE, Rakesh Deore (SSVP Sansthas L.K. Dr. P.R. Ghogrey Science College Dhule)

Presenter: Mr KAPADE, Jitendra (Department of Computer Science, S.S.V.P.S's L.K.Dr.P.R. Ghogrey S.S.V.P.S's L.K.Dr.P.R. Ghogrey Science College , Dhule)

Track Classification: Innovation and Technology for Sustainability