**CHAPTER-9**

**CONCLUSION**

* In order to solve the security and reliability of traditional authentication in the edge and IoT environment, we proposed a BlockAuth Scheme, which can provide a more secure, reliable and strong fault tolerance decentralized novel authentication solution with high-level security. In this scheme, each edge device is regarded as a node to form blockchain network. Specially, we designed the secure registration andauthentication strategy and the blockchain-based decentralizedauthentication protocol, improved the blockchain consensus,developed smart contract, and finally implemented the wholeblockchain-based authentication platform for the feasibility,security and performance evaluation. This scheme proposed by us can meet the authentication requirements of multiple scenarios and development demand of the international standard authentication scheme.