**CHAPTER- 9**

**CONCLUSION**

In this project, we have proposed an efficient and privacy preserving similarity range query scheme for time series data. Specifically, we first organized time series data into a kd-tree by leveraging TWED’s triangle inequality, and designed an efficient similarity range query algorithm for the kd-tree. Then, based on the SHE technique, we introduced a suite of privacy-preserving protocols to provide security guarantee for similarity range queries. Finally, we proposed our similarity range query scheme based on the similarity range query algorithm and our privacy-preserving protocols, in which we elaborate on two strategies to make our scheme resist against the cloud inference attack. Meanwhile, security analysis demonstrated that our scheme is privacy preserving and can resist against the cloud inference attack.