**CHAPTER-9**

**CONCLUSION**

This project introduces the verifiability and fairness security requirements for attribute-based data sharing in clouds and put forward a notion of verifiable and fair ciphertext policy attribute-based proxy re-encryption (VF-CP-ABPRE). The scheme provides the ability for a shared user to verify the validity of the re-encrypted ciphertext. Moreover, a shared user cannot make a malicious accusation to the cloud provider if the cloud has indeed returned a correct re-encrypted ciphertext.We also have proven our VF-CP-ABPRE scheme’s semantic security, verifiability and fairness in our security model.