**CONCLUSION**

Data security is the main challenge for cloud usability.Various algorithms like RSA, Diffie-Hellman, DNA encryption etc. are available to provide data security for the data stored on cloud.Digital signatures, Extensible Authentication Protocols are used for authentications.Using BDEA algorithm, we achieve 2-layer security for ASCII character sets. The proposed system focuses on extending the BDEA algorithm to be used with Unicode character set. This can help reach to the wider community of the cloud users.The future work will focus on the possible attacks and cryptanalysis of the cipher text and measure its strength.