OBJECTIVES AND SCOPE OF THE STUDY

This study aims to explore the wireless network security protocols; identifying the underlying ciphering algorithms’ strengths based on used key’s bit length, and identifying the used pass phrases’ strength based on the number and type of pass phrase characters used. Then, the weakest chain among those two components will be determined and a best practice approach to increase the overall security of a wireless network system will be suggested. The present study will be conducted with the following objectives.

1. To examine the History, current status and prospective developments of digital communication system in India.
2. To study the emerging technologies: Mobile & Wireless with respect to growth and performance in India;
3. To examine the main differences among the different types of Wireless protocols like quantitative evaluation in terms of the transmission time, data coding efficiency, protocol complexity, and power consumption;
4. To analyze the impact of protocol in Security in Fixed and Wireless Networks;
5. To analyze the impact of determinants of the performance of different protocols.
6. To suggest possible measures to improve the quality of service offered along with improved transparency in the system.

To delineate further, the scope of the study covers, the historical background, growth and development of wireless protocols in India, Different wireless reforms along with focuses on the recent development in Wireless technology. Further, it exhaustively deals with the performance analysis of different wireless protocols.