

Research and simulation of MANET networks

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Abstract: This topic focuses on researching and simulating Mobile Ad hoc NETWORKS (MANET) to address practical issues related to communication protocols in wireless mobile systems. The objective of the research is to build a simulation platform that allows performance testing and evaluation of optimization methods for MANET. The approach combines theory and experimentation to provide a comprehensive solution. Expected outcomes of this topic include identifying key challenges in deploying MANET and contributing to industry knowledge on the adaptability of mobile communication protocols.

Keywords: MANET, network simulation, communication protocol