

## INTELLIGENT ADHOC NETWORK USING NEURAL NETWORK

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### ABSTRACT

*An adhoc network is a network that is comprised of individual devices communicating each other directly or indirectly. The networks often bypass the gatekeeping hardware or central access point such as a router. An ad hoc mobile network is a collection of mobile nodes that are dynamically and arbitrarily located in such a manner that the interconnections between nodes are capable of changing on a continual basis.*

*A Neural Network is a series of algorithms that attempt to identify underlying relationships in a set off data by using a process that mimics the way the human brain operates. The key element of the paradigm is the novel structure of the information processing system. It is composed of a large number of highly inter connected processing elements (neurons) working in unison to solve specific problems or the general problem.*

*Instead of using the shortest distance path algorithm to find the distance between device and router, we are using neural networks for finding short distance through a trained approach. Using Pygame, implemented an intelligent ad-hoc system for Mobile Adhoc Network.*

**KEYWORDS:** MANET, ANN, RREQ

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