

AN EFFICIENT CROSS LAYER APPROACH FOR MALICIOUS NODE DETECTION IN MANETs

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ABSTRACT

This paper presents a novel approach for Detecting malicious Node in MANETs. MANET is a collection of mobile nodes equipped with both a wireless transmitter and a receiver that communicate with each other via bidirectional wireless links either directly or indirectly. The main objective is to prevent MANETs from malicious node by using cross layer approach. Also we use encryption and decryption of data's that are to be transferred. Encryption is done at sender side and decryption takes place at the selected pop node. If decrypted data at the destination matches with the data that was sent by the server then only it is displayed at the pop node.

KEYWORDS: MANETs, Adhoc Network, Cross Layer, Malicious Node