

# **PROPOSED PATH FORMATION AND MAINTENANCE ALGORITHM FOR BETTER EFFICIENCY IN AODV**

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## **ABSTRACT**

MANETs workspace was initiated by a simple protocol of AODV that tries to find out the path to destination node dynamically, using circuit switching procedure. After the circuit of nodes for data transfer become known to source, transmission of data through it starts. Since MANETs have the inherent property of nodes moving here and there, this circuit breaks very often during data transfers. Here some resolutions are provided for these limitations that will provide a way to harness the attributes in an efficient way. The initial working scenario of AODV is deeply analyzed and optimizations were made in it to solve the problems of path breaking by making multiple paths towards destination, either from the source or from middle nodes, without incurring much overhead. Beside this, some local maintenance from nodes are also offered to cater the link loss problems.

**KEYWORDS:** MANET, AODV, Path Break, Local Recovery, Multi Path, Path Recovery.