Abstract

VANET (Vehicular ad-hoc network) is a formation of intelligent vehicles with the plan to defeat the transportation issue and consequently diminishes the accident proportion. Since VANET is in like way a sort of MANET enclosed by human-driven center points, the social idea can be utilized to comprehend the routing decisions in VANET. This propels investigators to procure the possibility of Social Network Analysis (SNA) to develop routing plans. The serious issue in any system is the drop of parcel. Social characteristics based framework similarly face such issues which results in wasteful message conveyance. In this paper, grey wolf optimization is applied on social based routing scheme for fixed line VANET with the end goal to diminish the drop of parcel and enhance the throughput of the network. This is made possible with system centrality analysis by shapely value which enhances the choice by wolf optimization approach. Other than this, comparison is done between the social based fixed line routing scheme and the proposed work with GWO. The conduct of the utilizing nodes availability by its centrality calculation will then be observed. The parameters utilized in this paper to quantify the viability of the optimized routing scheme are Throughput, Delay, PDR, Latency, Buffer Time and Hop
count.

References


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**Index Terms**

Computer Science  
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**Keywords**

VANET, MANET, GWO, Community, IKC, BFD, ECFD, ICFD.