Abstract

The VANETs carry several security considerations. One in every of the popular and dangerous attacks is launched within the variety of Sybil, connectivity holes or cut-up attack, wherever associated in Nursing assaulter inserts a faux position inside within the cluster. The inserted faux node data is used by the hackers within the case of inconsiderate driver, traffic jams, selective collisions and different similar dangerous things. To avoid such things the VANETs should be protected against such attacks. During this paper, a completely unique answer has been projected to beat the Sybil and cut-up attacks on the VANETs. The new answer is capable of police work the faux data injections by confirmatory the VANET node behavior within the cluster. The behavior of the node includes the direction, speed and pattern. The projected model has been developed mistreatment the random waypoint model. The random waypoint model has been compared against the point of reference cluster model. The experimental results have shown the effectiveness of the projected model and also shows that RWPM is better than RPGM.
References


Index Terms

Computer Science Security
Keywords

VANET security, VANET secure mobility, connectivity hole avoidance, wormhole detection.