LITERATURE SURVEY

1. MACHINE LEARNING BASED MISBEHAVIOUR DETECTION SYSTEM FOR VEHICULAR NETWORKS (2022)

Introduction:

The emergencen of fifth generation ofmobile communications networks(5G) has brought tecnological revolution.it provides ultra low latency,ultra reliability,high bandwidth and large area coverage. As a part of vission of 5G, v2X communication are tremendous advances. it can lead to hazardous situation for drivers and passengers. these issues have been taken special attention by research communities since early research investigation of v2x

Machine learning has recently emerged a key enabler of intelligence for our future networks. In addition machine learning algorithm has already proven success in areas of network security.

ADVANTAGES:

1. Significant progress has been made towards deploying Vehicle-to-Everything (V2X) technology.

2. Integrating V2X with 5G has enabled ultra-low latency and high-reliability V2X communications.

3. Many V2X Misbehavior Detection Systems (MDSs) have adopted this paradigm. Yet, analyzing these systems is a research gap, and developing effective ML-based MDSs is still an open issue.

DISADVANTAGES:

1. Additional Cost in misbehaviour detection system.

2. Broadcast Distance is low in vehicular networks.

3. Battery drain and device overheating for networks.

4. Upload speeds will consume more data.

5. Coverage issues in Rural areas.

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