Augmenting Security for Identity-based Batch Verification Scheme using TDMA based MAC Protocol in VANET

Abstract

Vehicular Ad hoc Networks (VANETs) have been developed as a stage to maneuver down perceptive between vehicle correspondences and to enhance visitor’s wellbeing and fulfillment. Despite the fact that VANETs have picked up the consideration of today’s examination endeavors, yet the present answers for a complete secure VANET and to shield the system from enemy and assaults are still insufficient attractive. The current paper contains the different existing procedures of security issues through which it has been observed that the existing IBV scheme has not focused much upon network performance. The proposed scheme provides a proficient arrangement by combining Identity based batch Verification scheme with VeMAC Protocol, with aim to decrease the transmission collision that occurs because of the node mobility on channel. The results of proposed scheme prove that it is outperforming the other existing related schemes.

References
Augmenting Security for Identity-based Batch Verification Scheme using TDMA based MAC Protocol in VANET

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Index Terms

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Keywords

Vehicular Ad hoc Network (VANET); Identity Based Batch Verification Scheme (IBVS); Road Side Units (RSUs); On-Board Units (OBUs); HMAC; Trust Authority (TA); TDMA.