Intelligent Transport System in the Vehicular Cloud Era

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Abstract*: The adding number of vehicles on the road has led to traffic, accidents, and pollution. Intelligent Transportation Systems (ITS) offer implicit results to significantly reduce these problems. Norms like IEEE 802.11 p and IEEE 1609 have been established to enable effective communication between vehicles and the structure. Still, vehicular ad- hoc networks (VANETs), which round ITS and aim to ameliorate transportation with the help of Information and Communication Technologies (ICTs), present significant challenges in wireless communication. While VANETs are a technical form of mobile ad- hoc networks (MANETs), protocols that perform well in MANETs may not be suitable for VANETs due to high mobility, intermittent connectivity, and diversity. To address this, pall computing provides an occasion to discharge original coffers to a participated pool, offering an ideal result for cipher and memory- ferocious operations. Accordingly, the conception of vehicular shadows has been introduced to grease VANET operations efficiently, offering rapid-fire plainness and a pay- as- you- go business model*.

Keywords: Intelligent Transportation Systems

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