



INNOVAEGIS

WAY TOWARDS INNOVATION



PREDICTIVE TELIMATICS IN AUTOMOTIVE INDUSTRY

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Preface: What is the application of Telematics in automotive industry?

Automotive industry has always been one of the most emerging industry, which has adaptability to accommodate all type of latest technology available in market, such as GPS, Wireless, etc. Currently, wireless transmission of computerized information, which is also known as Telematics, is being area of interest for automotive investors. In automotive industry, telematics is used to control/guide the vehicle based on the various information retrieved from cloud data, which are received/transmitted by transceivers.

The Past: Automotive industry before advent of telematics

In automotive industry, initially technologies were focused on hardware components like engine, brake, air-bag etc. for better fuel economy, user comfort, and user safety respectively. Objective of technologies are still same, but the source has been changed. When telematics services were not introduced in vehicles, journey was completely unpredictable for users. In past, there were no technology available to predict traffic condition, vehicle health, weather forecast, crash forecast and corrective actions. If someone is driving without prediction, he can face problems like unfavorable weather condition, unwanted traffic, undesirable fuel economy due to adverse traffic condition etc.

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The Present: Automotive industry after advent of telematics

At present, autonomous vehicles are available, which are self-driven, adaptively customizes the driving style in accordance with telematics information. Apart from autonomous vehicle, in normal vehicle, telematics is used to monitor real time traffic data and simultaneously the user can be informed about actual travelling hours for reaching destination. In telematics equipped vehicle, various features are available to help user to navigate through best possible route, such as GPS/GLONASS fleet tracking.

The Future: What is the scope for future developments in telematics?

In future, based on the prior traffic data, telematics may generate a futuristic traffic information, which can help the user to preemptively judge the traffic conditions. Further, the futuristic traffic information may help to determine the velocity range for optimizing fuel economy. As an additional improvement, user may also analyze the accident probability; and may immediately contact to the nearby available resources for help. Further, the futuristic traffic information may also comprise information related to vehicle health forecast, and weather forecast, which helps the user to make journey related decision. In case of any crash event or emergency, through telematics, helping agencies like police, ambulance, fire brigade, insurance, and repair workshop can be informed in an automatic manner. Contact us to get detailed insights on the same.

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