

(54) Title of the invention : IOT-TRAFFIC SYSTEM: IOT BASED INTELLIGENT TRAFFIC, TRANSPORT MANAGEMENT SYSTEM

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(57) Abstract :

Our invention IOT-Traffic System is to improve and modify the existing traffic, transportation system taking into account the through IoT real-time traffic situation, existing vehicle condition and road infrastructure status . It automates the interactions of vehicle-to-vehicle, vehicle-to-infrastructure, infrastructure-to-vehicle, infrastructure to traffic, traffic to infrastructure and infrastructure-to-infrastructure. Internet of Things (IoT) has revolutionized the entire world of traffic, transportation system by connecting vehicles thus helping the information sharing, indicating, tracking, detecting, monitoring, controlling of vehicles, drivers as well as goods. The intelligence has made vehicles smarter thereby increasing road safety and vehicle safety, person safety through traffic efficiency. It has addressed complex issues like energy optimization, connectivity failure, roadblock, road modification, political Person movement, excess raining, wither condition, traffic management, and heterogeneity of vehicles, data transfer, vehicle collision warning, traffic information dissemination and many more. Many models have been developed for IOT-Traffic System applications. These have time and again improved the way world travels and transports. In our invention, we shall develop a framework for IOT-Traffic System and analyzes and compare it with the existing works.

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