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(54) Title of the invention : A SAFETY NETWORK SYSTEM USING IOT TECHNOLOGY FOR AUTOMATIC AND REMOTE CONTROLLING OF BUS RIDE STATIONS

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(57) Abstract :

This invention presents a Safety Network System for Bus Ride Stations, leveraging IoT technology to transform traditional stations into intelligent, data-driven hubs. The system includes real-time bus tracking, passenger information dissemination, and dynamic scheduling. It enhances safety with surveillance and emergency alert systems, automated access control, and environmental monitoring for air quality and temperature. Moreover, the invention optimizes energy usage through the automation of station functions. This comprehensive approach improves passenger satisfaction, security, and sustainability, making urban public transportation more efficient and attractive. Accompanied Drawing [FIGS. 1-2]

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