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<p>(51) International classification :G06Q0010060000, G06N0020000000, G06Q0010040000, G06Q0050300000, G08G0001010000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Chitkara University Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>2)Bluest Mettle Solutions Private Limited Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)MISHRA, Rahul Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----</p> <p>2)PANDEY, Sakshi Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----</p> <p>3)MANTRI, Archana Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p>
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(57) Abstract :

A system (100) and a method (200) for real-time monitoring and optimization of transportation networks is provided. The system (100) involves a plurality of sensors (102) and a plurality of communication devices (104) deployed throughout the transportation network, a central monitoring system (106), and a machine learning component (108) for real-time monitoring and optimization of transportation networks. The system (100) offers advantages such as improved travel times, enhanced safety, cost savings for operators, better decision-making capabilities, and increased sustainability. By optimizing traffic flow and reducing congestion, the system (100) improves the reliability and efficiency of transportation services while minimizing environmental impact.

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