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(57) Abstract :
The present invention discloses a computer system (100) for real-time traffic noise prediction. The system integrates noise sensors (101), traffic flow detectors (102), and environmental sensors (103) with a processing unit (104). A machine learning module (105) dynamically analyzes data to predict noise levels, while a cloud-based interface (106) ensures visualization and accessibility. The invention provides adaptive, scalable, and accurate noise predictions, enabling proactive traffic management, noise mitigation strategies, and improved urban living conditions through timely interventions and public awareness.

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