International Conference on Nurturing Sustainability through Innovations in Science and Technology for Global Welfare



Contribution ID: 218

Type: Oral

## AI-Driven Smart Traffic Enforcement: Enhancing Road Safety with Real-Time CCTV Monitoring

This paper presents a Smart Traffic Enforcement System integrating roadside CCTV, vision models, and AI to enhance road safety and law enforcement. Using CCTV footage, the system detects unsafe driving behaviors such as speeding and reckless maneuvers in real-time. It provides immediate feedback through smart traffic signs and a mobile app, aiming to correct risky driving habits. The system sends real-time alerts to law enforcement for severe violations, including vehicle details and movement predictions, facilitating quick intervention. By combining real-time monitoring with community input and automated reporting, this system enhances traffic safety and streamlines law enforcement efforts.

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Track Classification: Innovation and Technology for Sustainability