(12) PATENT APPLICATION PUBLICATION

(21) Application No.202441075577 A

(19) INDIA

(22) Date of filing of Application :06/10/2024

(43) Publication Date : 18/10/2024

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(54) Title of the invention : INTELLIGENT TRAFFIC CHALLAN ALERTER SYSTEM UTILIZING ANPR TECHNOLOGY FOR AUTOMATED VIOLATION DETECTION AND REAL-TIME LAW ENFORCEMENT

(51) International classification : G08G0001017000, G08G0001010000, G08G0001054000, G06Q0050260000, G08G0001052000 (86) International Application No Filing Date :NA :NA (87) International Publication No : NA (61) Patent of Addition to Application Number Filing Date :NA :NA (62) Divisional to Application Number Filing Date :NA :NA	(71)Name of Applicant : 1)CMR COLLEGE OF ENGINEERING & TECHNOLOGY Address of Applicant :KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401. Hyderabad ----------- ----------- Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)B. VENKATESHWAR RAO Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad Hyderabad ----------- ----------- 2)K.RAJU Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad Hyderabad ----------- ----------- 3)B. SURESH RAM Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad Hyderabad ----------- ----------- 4)K SATHISH Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad Hyderabad ----------- ----------- 5)P. MAHESH BABU Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad Hyderabad ----------- ----------- 6)M .HARSHINI SAI Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad Hyderabad ----------- ----------- 7)K.KOTESHWAR Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad Hyderabad ----------- ----------- 8)B. KARTHIK Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad Hyderabad ----------- -----------

(57) Abstract :
INTELLIGENT TRAFFIC CHALLAN ALERTER SYSTEM UTILIZING ANPR TECHNOLOGY FOR AUTOMATED VIOLATION DETECTION AND REAL-TIME LAW ENFORCEMENT ABSTRACT The Intelligent Traffic Challan Alerter is an innovative system designed to streamline traffic enforcement by identifying vehicles with unpaid fines using Automatic Number Plate Recognition (ANPR) technology. The system employs strategically positioned cameras to capture real-time images of vehicle license plates, cross-referencing this data with a centralized database of outstanding fines. When a vehicle with unpaid fines is detected, the system generates an immediate alert, providing critical information to nearby traffic police units for prompt action, such as issuing tickets or seizing the vehicle. This automation reduces the need for manual checks, minimizes traffic congestion, and enhances road safety by ensuring that violators are held accountable. Ultimately, the Intelligent Traffic Challan Alerter fosters a culture of compliance with traffic laws, contributing to smarter and safer roadways while improving the efficiency of law enforcement efforts in urban environments.

No. of Pages : 15 No. of Claims : 10