सड़क परिवहन
एवं राजमार्ग मंत्रालय
MINISTRY OF
**ROAD TRANSPORT
AND HIGHWAYS**
सत्यमेव जयते

NIC National Informatics Centre

Parivahan Newsletter

Story of the Year:

eTransport Mission Mode Project

The eTransport Mission Mode Project (eTransport MMP), led by the Ministry of Road Transport and Highways (MoRTH), is a transformative eGovernance initiative being implemented across 35 states and Union Territories in India.

This comprehensive project integrates several key applications: Vahan, which manages vehicle-related services such as registration, permits, taxation, and fitness; Sarathi, which handles licensing for driving, learner, and conductor permits; eChallan, enabling seamless online issuance of traffic challans; and PUC, which automates pollution compliance checks. Additionally, NextGen mParivahan provides citizens with access to over 75+ transport services through a mobile app, while eDetection automatically identifies vehicles lacking valid documents, enhancing enforcement. Deployed across more than 1,350 Regional Transport Office (RTOs) and widely integrated, these systems work in tandem to enhance efficiency, transparency, and road safety.

New Developments in Vahan

The Homologation process certifies that a vehicle meets specific safety, environmental, and technical standards set by the government, ensuring that all vehicles made or imported into the country are roadworthy. Several key improvements are being implemented in this process within the Parivahan portal. A significant enhancement is the creation of a Homologation Dashboard, developed in response to a request from the Federation of Automobile Dealer Associations (FADA). This dashboard will streamline the management and monitoring of the homologation process, enhancing both efficiency and effectiveness.
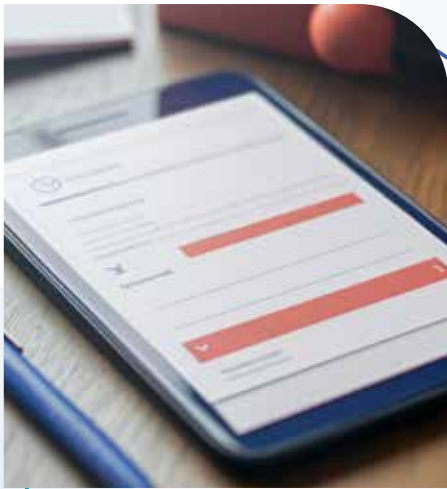
The Dealer Authorization Certificate, issued by the RTO, authorizes vehicle dealers in India to sell pre-owned or used vehicles. The Dealer Authorization Certificate module streamlines the issuance process, improving efficiency for dealers and enhancing the overall vehicle registration and dealer certification system. New features include generating and deleting Form 16, updating address details, and integrating Form 16 with the Trade Certificate system for smoother operations.

The Automatic Fitness Management System (AFMS) revolutionizes vehicle fitness management by enabling online booking for fitness checks at Automated Testing Stations (ATS) nationwide. This system eliminates the need for vehicle owners to visit their original registration centres, providing greater convenience and efficiency. Once the fitness check is completed, results are uploaded to the AFMS server, allowing easy access to reports and facilitating re-test applications. Several states, including Delhi, Goa, and Karnataka, have already implemented automated stations for vehicle fitness checks, further enhancing the system's reach and effectiveness.

The new version of the Checkpost application has been successfully implemented in Andhra Pradesh, Assam, Mizoram, and the Union Territory of DNH & DD.

The Fancy application has been rolled out in the State of Haryana, UT of DNH & DD, and Sikkim. Additionally, the application has been re-configured for West Bengal and Puducherry to align with their latest notifications, ensuring compliance with the updated regulations for vehicle registration and number plates.

Haryana has introduced several initiatives to improve vehicle registration and traffic management. The state launched an e-Auction portal for vehicle registration numbers, offering a transparent and efficient online bidding system. To address pollution in the NCR region, Haryana has implemented the de-registration of vehicles older than 10 years (petrol) and 15 years (diesel). Additionally, the integration of PayTM and PayTM Dynamic QR codes for eChallan payments has made it more convenient for individuals to pay traffic fines, enhancing the overall efficiency of the payment process

New Developments in Sarathi

The Central Motor Vehicles Rules were updated under Notification No. 394(E), allowing Accredited Driving Training Centres (ADTCs) to test drivers and issue licenses. This initiative aims to establish high-quality training institutions, encourage responsible driving, and improve road safety. National Informatics Centre (NIC), guided by MoRTH, developed a custom application to manage ADTCs efficiently. This system supports driver training programs and license issuance. As a result, ADTCs can now issue permanent driving licenses within about one month for individuals who complete their training. These ADTCs have become operational in Bihar and Maharashtra.

Anti-Spoofing and Liveness Checks Enabled in LL Test: To enhance the security and authenticity of the Learner's License (LL) Test, anti-spoofing and liveness checks (such as eye blink and smile) have been implemented in the Face Authentication and Proctoring systems. These measures ensure that the candidate appearing for the test is the actual person and prevent fraudulent practices, making the process more reliable and secure.

The inauguration of the Automated Driving Testing System (ADTS) in Odisha (OD) enhances road safety by ensuring only qualified individuals receive licenses through an efficient and transparent automated process. Similar systems are being implemented across various states, including Andhra Pradesh, Delhi, Gujarat, Haryana, Karnataka, Punjab, and Rajasthan, contributing to improved road safety and streamlined driver licensing.

Online Vahan and Sarathi Launched in Lakshadweep

Vahan and Sarathi have been successfully digitized in Lakshadweep to enhance transportation services across the region. Initially launched at the Kavaratti RTO, Vahan has expanded its reach to include the Andrott, Amini, and Minicoy RTOs, all of which have transitioned to Vahan 4.0. The Chetlath RTO is also in the queue for digital integration. In addition, the integration of online payment services is currently underway, promising to further streamline processes and provide greater convenience to the residents of Lakshadweep

Citizen-Focused Innovations

The Ministry has introduced 54 contactless transport services using Aadhaar authentication, enabling citizens to access services from home without visiting RTOs. Additional services, based on state-specific needs, have been rolled out with Aadhaar/mobile authentication or auto-approval (where applications are processed without RTO intervention). These services are available on both web and mobile platforms for a seamless citizen experience.

Hon'ble Chief Minister of Manipur launched various online services of the State Transport Department

In 2024, Uttar Pradesh launched 44 contactless transport services, and other states like Bihar, Maharashtra, Manipur, and Tamil Nadu have followed suit to streamline processes and enhance convenience.
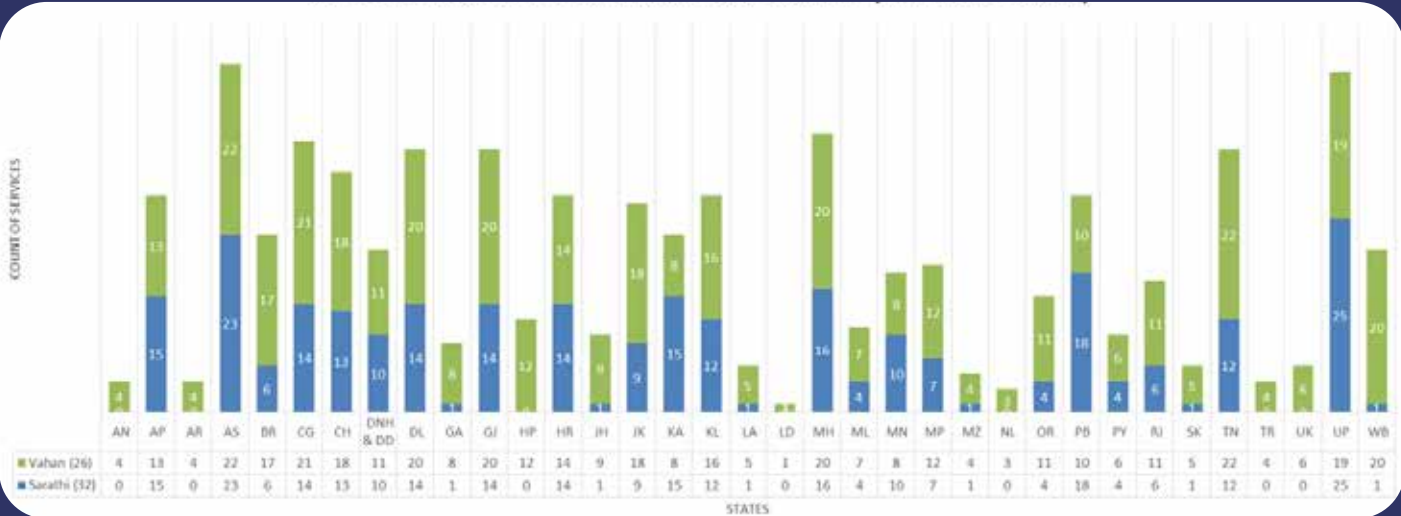

UPSRTC: यूपी में परिवहन विभाग की ये 44 सेवाएं होंगी ऑनलाइन, घर बैठे होंगे लाइसेंस-परमिट से जुड़े कार्य

अब उत्तर प्रदेश में वाहन लाइसेंस और परमिट से जुड़े कार्यों के लिए आरटीओ-एआरटीओ कार्यालयों के चक्कर नहीं लगाने पड़ेंगे। प्रदेश में 47 और सेवाएं ऑनलाइन होने जा रही हैं। देश में यूपी पहला राज्य होगा जहां आम लोग परिवहन विभाग की सभी 58 सेवाएं घर बैठे पा सकेंगे। लर्निंग लाइसेंस व नियमित डीएल जैसी सेवाएं पहले से आनलाइन है।

BY DHARMESH AWASTHI
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State-wise contactless/faceless services of Vahan and Sarathi

	AN	AP	AR	AS	BR	CG	CH	DNH & DD	DL	GA	GJ	HP	HR	JH	JK	KA	KL	LA	LD	MH	ML	MN	MP	MZ	NL	OR	PB	PY	RJ	SK	TN	TR	UK	UP	WB
■ Vahan (26)	4	13	4	22	17	21	18	11	20	8	20	12	14	9	18	8	16	5	1	20	7	8	12	4	3	11	10	6	11	5	22	4	6	19	20
■ Sarathi (32)	0	15	0	23	6	14	13	10	14	1	14	0	14	1	9	15	12	1	0	16	4	10	7	1	0	4	18	4	6	1	12	0	0	25	1

STATES

Traffic Enforcement and Road Safety

The eTransport project focuses on improving traffic enforcement and road safety through digital solutions like automated violation detection using eDetection Application, and eChallan application etc. By leveraging real-time data, it enhances law enforcement efficiency and supports proactive safety measures on the roads.

> The eDetection Application improves road safety by automatically identifying vehicles without valid Motor Vehicle (MV) documents—such as Tax, Fitness, Insurance, PUC, and Permits—and blacklisted vehicles. It uses data from Toll Plazas to issue eChallans to defaulters. The eDetection application has been successfully deployed in Bihar and Himachal Pradesh, marking a significant step towards modernizing traffic enforcement.

> The 'Citizen Sentinel' feature of the NextGen mParivahan app is a revolutionary tool designed to enhance road safety across India. It enables citizens to actively participate in promoting road safety by reporting traffic violations. Already launched in Kerala, Odisha, and Chhattisgarh, the feature expands its impact, fostering greater public involvement in ensuring safer roads nationwide.

Photo: Shri. K.B Ganesh Kumar, Hon'ble Minister of Transport, Government of Kerala officially launching the Citizen Sentinel App on 18th October 2024.

Workshops and Training Sessions

The Ministry of Road Transport & Highways (MoRTH) and NIC organized the eTransport zonal workshop – eTRANS'24 on September 12-13, 2024, in Pune, Maharashtra, with participation from 12 states. The workshop, inaugurated by Shri Anurag Jain, Secretary, MoRTH, focused on discussions related to road safety and transport management. Senior dignitaries, including officials from MoRTH, NIC, and state departments, addressed key topics related to eTransport systems such as Vahan, Sarathi, eChallan, and mParivahan. The event featured presentations on new functionalities and services, followed by brainstorming sessions that generated valuable insights to improve the effectiveness of eTransport applications for better citizen service.

Achievements and awards

➤ Odisha's eTransport team won 2nd Prize for AI Innovations at the "Future Gov AI Conclave," recognized for their use of AI in governance. The award was presented by Dr. Mukesh Mahaling, Minister of IT, and Mrs. Sharmista Dasgupta, Head of AI Division at NIC HQ. Odisha's eDetection app, which uses AI for traffic enforcement, also won the Technology Sabha Award for enhancing road safety.

➤ On 26th January 2024, Rajasthan's Transport Department was awarded 2nd Prize for its exceptional contributions to improving the state's transportation infrastructure.

eTransport Project

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