



सत्यमेव जयते

East or West  
North, South or Centre  
Throughout the length & breadth of the Country

Vahan and Sarathi are there  
**EVERYWHERE**

A joint Publication  
by NIC & MoRTH

PARIVAHAN  
**Next Mile**

Quarterly Newsletter on Computerization in the Transport Sector  
**VOLUME 1 No. 3 JULY 2013**

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July 2013

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## Editors's Note

Fate had accorded me the unique opportunity of working in close proximity to the founder figure of NIC, Dr N Seshagiri for a period of almost five years. The experience gave me an entirely new perspective on how the knowledge, effort and vision of a single individual can bring about changes which can positively impact the lives of millions in a Country like ours. Yet as a human being, he was the simplest, kindest and the humblest. In his passing away, *Parivahan NextMile* pays its respects and prays to the Almighty to grant eternal peace to his soul.

*Vahan* and *Sarathi* now has an all-India presence radiating from Nagpur in the middle of the Country, from Kargil in the North to Kanyakumari in the South, from Changlang in the East to Bhuj in the West, and even in the Andamans. Our special feature *We are there, Everywhere* brings out this omnipresence of the Project by profiling the RTOs/DTOs located geographically at the centre and in the extreme corners of the Country.

In this issue, we present the National Transport Computerization Project in the vibrant State of Punjab. We also take a look at how computerized Learner License tests in local languages can be implemented to open up *Sarathi* to more people.



Rubaiyat-ul Ali



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## TRIBUTE TO DR N SESHAGIRI

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The Man who made NIC and ushered in the ICT Revolution in India

Dr N Seshagiri, Founder Director General of National Informatics Centre and former Special Secretary to Government of India, brilliant pioneer of growth of India's IT Industry, was born on May 10, 1940. He was awarded a PhD at the Indian Institute of Science, Bangalore in Microwave Telecommunication Engineering. Subsequently in 1966 he moved to TIFR and worked on satellite communications and space-craft design. He was awarded the prestigious **Vikram Sarabhai** award for '**Optimal Design Simulation of Low Energy Consumption Spacecraft Design**'.

Prof. MGK Menon was then the Director of TIFR and saw immense intellectual potential in Dr Seshagiri. Prof. Menon encouraged him to assist in setting up of the **Electronics Commission** at the Central Government level in Delhi. This involved evolving policy, and planning for introducing information technology in order to improve the quality of life of the masses. Dr Seshagiri's vision led to the successful preparation of the first document on Perspective Plan for growth of the electronics industry in India.

As a follow up to the acceptance of this report at the Cabinet level, the Central Government approved the setting up of a **Computer Centre at the School of Life Sciences and Automation at the Jawaharlal Nehru University, New Delhi**. This Computer Centre was envisaged to serve as a national level repository of information pertaining to various analytical reports for industrial growth in thrust areas, for the evolution of licensing policy focused on in-



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indigenous growth of electronics production and promotion of Research and Development (R&D), enabling transfer of technology from laboratories to the field.

Recognizing Dr Seshagiri's ability for hard-work coupled with his innovative and original thinking, Prof. MGK Menon facilitated the carving out of a National Data Centre for Electronics, outside JNU, and set it up as a separate entity under Dr Seshagiri. It was entitled **IPAG or Information Planning Analysis Group**. This new setup offered tremendous path-breaking policy initiatives governing industrial promotion, boosting indigenization efforts by encouraging R&D for reduction of Imports and savings in Foreign Exchange.

Towards the latter half of 1976, bearing in mind the importance of the availability of the **right information at the right place at the right time**, the Electronics Commission decided to retain policy framing and its implementation-related work with the Department of Electronics. The Electronics Commission decided to provide special impetus to the Informatics-led improvements in the decision making process of various Government Departments/Ministries. This initiative was exclusively directed to usher in operational excellence of governance both at the central as well as the state level. This led to the birth of the **National Informatics Centre** and Dr Seshagiri was entrusted with the independent responsibility of its first Executive Director.

As the architect of the nationwide computer network (NICNET), Dr Seshagiri drafted the software and hardware policies that revolutionized Information Technology (IT) application in the country.

Dr Seshagiri was instrumental in setting up the DISNIC Programme in the country to usher in the ICT revolution in 520+ districts in 1987. In 1998, under the Chairmanship of Prof. MGK Menon, he was the Member-Convenor of the prestigious National Task Force on IT which drafted the national IT policy with 108 recommendations to **'transform India into a global software power by 2008'**. He was instrumental in the setting up of the Software Technology Parks



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of India, which led to the emergence of Indian IT multinationals such as Infosys and Wipro in Bangalore. He strived hard to get the US-based global chip maker Texas Instruments to open its offshore development centre in Bangalore, with his **'flood-in and flood-out software policy'**.

Dr Seshagiri not only shaped computerization policies but made the software exports and systems manufacturing industry a reality in India. Dr Seshagiri was a great visionary and was always ahead of his time. He laid great importance on inducting ICT in governance across the country. What we see as e-Governance today is the outcome of the vision and hard work put in by Dr Seshagiri through the decades of 80s and 90s. During his 25-year leadership of NIC he groomed a generation of scientists, engineers and technocrats to provide leadership in e-Governance across the country.

Dr Seshagiri was instrumental in establishing and grooming a number of Institutions. Some of these leading institutions include establishment of ITI-Equatorial Systems Limited for indigenous manufacture of VSATs in India, CDAC, NCTI AND NICSII. He authored over 20 books and more than 100 research papers. His latest contribution, the 27<sup>th</sup> Volume of Rural Survey of India was published in March, 2013.

Recognizing his massive and unique contributions, he was conferred the Padma Bhushan by the Hon'ble President of India. He was also conferred numerous other awards such as the Vikram Sarabhai award, O P Bhasin award, Asiad Jyoti award, Karnataka Rajya-Utsav Jyoti award, to name a few.

He took voluntary retirement from government service in February 2000. Subsequently he served as Professor Emeritus at IISc- Bangalore and offered technical consultancy in frontier areas of IT.

By Dr Mahesh Chandra, DDG, NIC



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*Parivahan NextMile*  
condoles the passing away of  
**Dr Anjana Srivastava**

wife of  
**Shri Manoj Srivastava** of our *Sarathi* Team  
on May 13, 2013.

She was 41 years of age, and leaves behind her two daughters Tejaswani (12 years) and Nikita (5 years).

We pray to the Almighty for eternal peace of the soul, and to give Shri Manoj Srivastava and his children the strength to bear the loss.

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**Dr Mahesh Chandra**

Deputy Director General  
National Informatics Centre  
& National Project Head

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## A Canvas full of wonderful Milestones

After more than three decades of dedicated service I will demit my office on August 31, 2013. At this juncture, when I take stock of what I aspired for and what I achieved, I feel this long and winding trajectory has been worth every minute and has been quiet satisfying. I started my career with an empty canvas and today it is full of wonderful landmarks. I got numerous opportunities to de-learn almost everything in academics and learn so many new things in the application area, including Governance in India. Starting with the Structural Analysis Group where I was assigned the task of analysis and design of offshore structures to Computer Graphics, Mapping and finally to the Transport, Aviation and Shipping Sector, it has been quite an eventful journey. There was something new to learn each day. Under these emotional circumstances writing a swan-song, is quiet a task. However, in retrospect, when I reflect on the years gone by, I am proud of the milestones that I have crossed and in the manner I achieved them.

In all the madness, I managed to retain that one common thread that weaves everything together into a meaningful whole. Today, I leave behind a legacy in the form of a motivated team with a never die spirit. That my work always had the seal of approval from my seniors was an

achievement in itself.

I will always remain indebted to everyone who touched my life and who invested their time, and untiringly worked towards achieving the goals that were set out. I will cherish the loyalty and affection that was given to me, it made the tasks at hand easier to accomplish.

I had a vision but I would never have been able to translate that into a reality without the support of all the officials at the Ministry, including the Honorable Minister, Secretary and all other officials who believed in me and gave me the freedom to operate. I owe my thanks to them and I know that 65 million users availing facilities from the RTOs across the country will echo my sentiments.

In the relay of a professional life, I now pass the baton to the younger generation. I know that they will continue to do full justice to this project. To make the transition smooth, I have prepared the roadmap for the next five years and handed it over to the next generation.

As per the practice I am also appending the business transacted during the past three-month period with the Ministry and its allied offices.

I thank you all for these wonderful years. This place is the reason I have become the person I am today. I will miss you all.

## List of Activities under Transport Project

- ☀ Project for Digitization of Legacy Data across the country
- ☀ Indo-Bangladesh Permit System for issuance of cross-border permit to vehicles as per norms and regulations agreed upon by the two countries

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- ☀ Creation of National database for homologation of vehicles
- ☀ Cashless treatment of road accident victims on National Highways
- ☀ GIS based pilot for Road Accident Data Reporting System
- ☀ Design of website for e-ticketing through State Transport Corporations
- ☀ Usage of RFID Tags at toll booths
- ☀ Carriage by Road application for online collection of registration fee as per carriage by road act 2007
- ☀ Integration of IRDA database with national database for vehicles
- ☀ Handheld based Enforcement Module
- ☀ Mobile based Enforcement Module
- ☀ Finalization of Smartcard design data structure for 64k card Gazette Notification Document for Ministry
- ☀ Access Mechanism for National Register by Bank, Insurance Agencies, SIAM, Govt. Agencies, etc.
- ☀ Security Policy Document
- ☀ Fifth National Transport Workshop held on 23rd April, 2013



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## We are there, Everywhere!

Yes, *Vahan* and *Sarathi* are there across the length and the breadth of our vast Country. Be it in the east or the west, the north or the south, at the very center of it all, or on our islands, the National Transport Computerization Project spans the whole Country bringing the benefits and advantages of Information and Communication Technology to the Transport Department and the citizenry at large. This Special feature focuses on the reach of the Project, and it becomes a matter of pride to be able to say that we are there, wherever you say!

From our Arunachal Pradesh, Gujarat, J&K, Andamans and Maharashtra correspondents

### DTO Changlang – At the extreme east



Changlang District, a repertoire of biodiversity, is the eastern most part of India. The eastern Mountain ranges of the District is the first in the Country to be touched by the morning sunlight.

Prior to November 14, 1987, Changlang was a part of Tirap District.

Under the Arunachal Pradesh Reorganization of Districts Amendment

Bill, 1987, the Government of Arunachal Pradesh formally declared the area a new District on the day, and Changlang became the 10<sup>th</sup> district of Arunachal Pradesh. The district is famous for the Namdapha National Park which is the only park in the World to have four feline species of big cats namely the Tiger, Leopard, Snow Leopard and Clouded Leopard..



Inauguration of Vahan DTO Changlang

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**NIC Presence:** The NIC Changlang district Unit was established in July 1989 with only one officer from NIC with a single 386 PC and a few terminals. It has been supporting the district administration in introducing and implementing computerization and email services since its inception.

The NIC district Unit has been implementing citizen interface services for the District Adminis-

tration as well as various departments in the district, and is also providing NICNET network services.

**Vahan & Sarathi:** *Vahan* was formally launched at DTO Changlang by the then Deputy Commissioner of Changlang District Dr SB Deepak Kumar, IAS, on May 6, 2010 with great fanfare and enthusiasm. *Sarathi* was implemented at DTO Changlang a few weeks after.

Since May 6, 2010, a total of 2,019 new vehicles has been registered using *Vahan*, at an average of around 90 to 100 vehicles per month. *Sarathi* has been used to issue 280 new Driving Licences, 703 Learner Licences, 587 renewal of driving Licences and 14 Duplicate Licences so far, at an average of around 12 issues per day including Learner Licences, and renewal of Driving licences and duplicate Licences.

The details of Vehicles registered and Licences issued so far since the project was launched in DTO office, Changlang, Arunachal Pradesh are as given below:

Vahan		Sarathi			
Registration Card	Learner Licence	Driving Licence	Renewal	Duplicate Licence	Driving School Licence
1019	703	280	587	14	NA

## RTO Kutchh: Guarding the Western Post

The Kutchh district of Gujarat is located on the border of Pakistan. Kutchh is famous for its distinct culture and traditional art work.

The Rann of Kutchh is very famous among na-

tional and international tourist. RTO Kutchh is located at Bhuj which is the district headquarter.

The office was first established in the year 1957, and functioned as an ARTO office till 1990.

From 1990 onwards, the office was accorded status of a full-fledged RTO.

The present staff strength of RTO Kutchh is 25.

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*Vahan* and *Sarathi* have been implemented in RTO Kutchh.

In order to serve citizens of the district better the Transport Department has started a Inspector of Motor Vehicle (IMV) office at Gandhidham which is the main commercial hub of Kutchh. Gandhidham is located about 60 km from Bhuj.

Major services relating to driving licenses are also provided through this office. Registration related



A busy day at RTO Kutchh-Bhuj

activities will also be provided to citizen from this office in the near future.

At present Shri AR Vohara is the RTO in-charge of RTO Kutchh.

## At the Geographical Centre – RTO Nagpur

Nagpur has three Regional Transport Offices to cater services to citizens of Nagpur District. The RTOs at Nagpur have implemented *Vahan* and *Sarathi* to render services to the Motoring Public and aspirants who are eligible to drive transport and non-transport category motor vehicles.

The following services are being offered to citizens:

**Learning License(LLR) System:** This system



Learning License Hall

has a bank of questions that are displayed to the candidates on the projection screen during the test. With the help of the

keypad, the candidate marks the answers to the questions. Learner licenses are given to the applicants who qualify in

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the test. The office has issued 52,140 learner's licenses from April, 2012 to March, 2013.

**e-Payment** – At present the Regional Transport Office, Nagpur City accepts taxes online with effect from September 21, 2011 for new two wheelers and four wheelers (non transport vehicles) where there are bulk registrations.

This scheme facilitates the dealers to make the e-payment instantly after inspection of the two-wheelers and four-wheelers at the dealer's premises using the Government Receipt Accounting System (GRAS) developed by NIC-SDU Pune.

The e-payment system has been implemented in 22 RTOs in the state of Maharashtra with a total Tax revenue of Rs 1,171 crores collected during the financial year 2012-13.

**Border Check Post, Saoner** - A border check post is situated at Saoner in Nagpur District. This check post

is working under the direct supervision of the Regional Transport Office, Nagpur (Rural). It is equipped with modern technology and computers. Every vehicle entering the state of Maharashtra is checked at this check post. The menace of overloading is also checked through the software program developed and installed for the purpose. RFID Tags are issued to every vehicle checked at the check post.

The software maintains information on each vehicle passing through this check post, and minimizes the waiting period of vehicle when the vehicle passes through any check post in the state of Maharashtra.

**Vahan** was introduced in the RTO on May 29, 2007. Registration, renewal, and all vehicle transaction services and Smart Card RC delivery by SPEED POST are provided to citizens using **Vahan**.

**The Sarathi** software is used for issuing Smart card-based driving licenses for Transport and non Transport category of vehicles. This system was introduced with effect from October 16, 2006. The Smart Card Driving License is delivered by speed post to citizens.

**Delivery By Post** – Registration and Driving license in the form of Smart Cards are being sent through the postal



The Saoner Check Post - software for tagging vehicles

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delivery system since September 02, 2011. The Motor Vehicle Department has tied up with the Department of Post, Nagpur, for the purpose of postal delivery of documents.

The Government of Maharashtra has issued

a gazette notification to recover Rs 50 as postal charge for each document. The registered owner or license holder has to furnish detailed postal address with the Pin Code for proper delivery. In case the documents cannot be handed over to the

addressee, the returned documents are sent to the RTO office for further action. Unclaimed articles are sent back to the addressees on receipt of complete address of the owner and delivered by post after recovery of the prescribed fee of Rs 50 per document.

## Kargil – The northernmost ARTO

Kargil District, carved out of the erstwhile District of Ladakh, came into existence in July, 1979. The District lies in the north-east of Kashmir Valley at a distance of 205 km from Srinagar. The whole area is covered with high rocky mountains devoid of natural vegetation. The population density is only 8 compared to the state average of 59 persons per sq km. The altitude ranges from 8,000 feet to 18,000 feet above the sea level.

The District has 129 villages including two uninhabited villages. The population of the district as per the 2011 Census is 1,43,388.

Earlier there was only one Assistant Regional Transport Officer



Vahan & Sarathi at work in RTO Kargil



Vahan & Sarathi being inaugurated at RTO Kargil

*Computerization of ARTO Kargil was formally inaugurated by the Minister for CA & PD and Transport, J&K Shri Qamar Ali Akhoun on September 23, 2012*

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(ARTO) looking after both the Leh and Kargil districts. The office of Assistant Regional Transport Office (ARTO) Kargil was established in the district and made functional in 2008. The office is now located in a rented building at Baroo

near Biamathang Playground.

**Vahan & Sarathi** are there even in these extreme and adverse conditions. The ARTO Kargil was computerized in the year 2011 under the National Transport

Computerization Project. Both *Vahan* and *Sarathi* have been implemented at ARTO Kargil. Computerized Registration Certificate of vehicles, Learner Licenses, Driving License and Fitness Certificate are being issued using the software.

## RTO Nagercoil in Kanyakumari – At the southernmost tip

The advent of *Vahan* and *Sarathi* in 2006 marked an important milestone in computerization of the Transport Department in the state of Tamil Nadu

During the year, *Vahan* and *Sarathi* were installed in all offices of the Transport Department except the Zonal offices and Transport Check Posts. All these offices were also provided adequate computer infrastructure and peripherals. More than two crore records were ported as an initial step, and at present all records of Driving Licences and Registration Certificates issued by Regional Transport Offices and Unit Offices are being uploaded to the State Register and



RTO Nagercoil in the southernmost district of Kanyakumari

the National Register. Digitalization has also been achieved in all offices with respect to

licenses, registrations and permits.

Nagercoil is the District



Capturing photograph and biometrics for Driving License

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Headquarters of Kanyakumari District. Most of the Government Offices including the District Collectorate are located in Nagercoil. The distance between Nagercoil and Kanyakumari is about 20 km. RTO Nagercoil is located at a distance of 3 km from the District Collectorate. Vahan and Sarathi were implemented in RTO Nagercoil on April 11, 2005. This was made possible because of the dedicated and continuous Technical Support rendered by NIC.

It is a matter of pride today that a vehicle owner can get his Registration Certificate on the day of registration itself and an applicant can get his license within an hour after the Driving Skill



People queuing up at RTO Nagercoil

Test is over.

An important service of computerization which is extensively used by the common public is viewing of registration number, and it is possible for everyone to ascertain the Starting Registration number of the day through SMS.

e-payment for Registration of non-transport new vehicles reduces the

burden of carrying cash to office, and then by the office to the bank. This eliminates delays and hurdles, and safety and security are ensured.

The facility for online applications for Driving Licenses has made the process easy for applicants who can now save much of their time by not having to wait in the queues.

## RTO Andaman: Even on the Islands

In splendid isolation, east of the Indian mainland, is the archipelago of 572 emerald islands, islets and rocks known as Andaman & Nicobar Islands. This Union Territory is stretched over an area of more than 700

km from north to south with 36 inhabited islands. Once a hill range extending from Burma (Myanmar) to Indonesia, these undulating islands are covered with dense forests and endless variety of exotic flora and



Digital Signature of applicant being mapped at Sarathi biometric counter at RTO Andaman

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fauna. The rare avifauna, underwater marine life and corals, with crystal clear water and mangrove-lined creeks, offer a dream view of the rare gifts of nature.

The NIC, Andaman & Nicobar Islands UT Centre was setup in the year 1988.

This UT Centre provides IT support for implementing e-Governance Projects, to the Andaman & Nicobar Administration, Government of India Offices and other organizations.

### Vahan and Sarathi:

The National Transport Computerization Project is one of major projects implemented in the Motor Vehicle Department of the Andaman and Nicobar (A&N) Administration in September 2008 with the support of NIC. *Vahan & Sarathi* have been installed at all the RTOs of the UT.

The Motor Vehicles Department, A & N Administration had showed keen interest in implementing *Vahan & Sarathi* and



Applicants at Vahan & Sarathi Receipt counters

arranged a good setup having 14 counters for various services including online Learners License Test (STALL), image capturing, biometrics, Road Tax Payment, NOC etc. for the smooth functioning of *Vahan & Sarathi* at RTO Port Blair.

### Statistics of Registration Issued till June 31, 2013:

S. No.	Statistics	Numbers
1	Total No of RC Issued with <i>Vahan</i>	42000
2	Total No of Backlog Entry Done	51198

### Statistics of Driving License Issued till 31/06/2013:

S. No.	Statistics	Numbers
1	Total No of DL Issued with <i>Sarathi</i>	61000
2	Total No of Backlog Entry Done	60500

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Today *Vahan* & *Sarathi* have become the life-line of the RTO offices and the Islanders have appreciated the efforts of NIC and the Motor Vehicles Department.

As with all other RTOs of the Country, RTO Andaman is now connected over the network for transmission of data for the State Register and the National Register.

Everyday data is transmitted from the RTO Office to the NIC Data Centre and then to the NIC Delhi Data centre via NIC Chennai. The data updating of both *Vahan* and *Sarathi* data

in the State Register, i.e. at NIC Chennai is being done on a daily basis through a 2 mbps leased line, which the ODI team at NIC Chennai is monitoring regularly in close coordination with the Transport Project Coordinator NIC Andaman.

#### The Step ahead:

RTO Andaman has already signed an MOU for issuing smart card-based driving licenses to the Islanders.

The site is almost ready and very soon the islanders will have Smart Card-based driving

licenses in their hands. Plans are also being made to implement web-based Online Learners License Test in coordination with NIC Hyderabad and NIC Bangalore.

For *Vahan*, it is planned to implement Online Road Tax Payment in Andaman and Nicobar Islands in coordination with NIC Chennai.

It is also planned to extend the services of *Vahan* and *Sarathi* to the nearest islands by providing leased line connectivity.



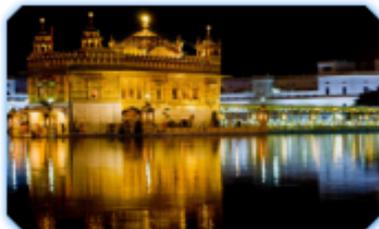


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## Punjab: Firing on all Cylinders

From our Punjab Correspondent

Sarbjot Singh with Tarminder Singh



*Enterprise and endeavor – these two words symbolize the essential spirit of the people of Punjab. Punjab has been consistently ranked first in the country based on the infrastructure development index.*

*The introduction of e-governance in the Transport Department through **Vahan** and **Sarathi** aims to improve the process and working conditions for the employees to discharge their duties and bring transparency in the delivery mechanism by providing prompt and single-window services.*


 5

An efficient and robust transport sector is among the most important prerequisites for a healthy and vibrant economy. With India taking huge strides in development since Independence, its transport sector too has grown by leaps and bounds. But one thing that has remained unchanged through all this development is the manual records and archaic processes of delivery of services. As the sector expanded, and the volume and complexity of the operations

increased, it became imperative to introduce Information Communication Technology for making the Department more efficient and provide better services to the citizens. Introduction of e-governance in the Punjab Transport Department has been a step in the direction.

**Vahan**, the application software for Registration of vehicles, and **Sarathi**, the application software for Driving Licenses have both been implemented in Punjab.

### Objectives

The primary objective of the project has been to enable the processes, systems and approach to leverage the effective usage of Information and Communication Technology (ICT).

The key objectives are:

- Improving the quality of services to the citizens.
- Leveraging the benefits of ICT in the new system.
- Enhancing government-citizen interaction with shift from 'Government/ Department-centric pro-

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cesses to citizen-centric processes'

- Reducing the possibility of forged documents being circulated thereby helping in better enforcement of law and order.

## The Implementation Approach

Computerization of the Transport Department started in the Punjab in 2004 when *Sarathi* followed by *Vahan* were implemented in Kapurthala. The Ministry of Road Transport and Highways (MoRTH) provided equipment and manpower support, to provide impetus to the replication of the project.

Under the nationwide initiative to roll out e-Governance programs in various states undertaken by Department of Electronics and Information Technology, Ministry of Communications and Information Technology (MoCIT), the pilot project was implemented successfully for Driving Licenses and Registration Certificates at DTO Ropar in Punjab in the year 2007. The Office

of SDM Kharar was also covered in the pilot project, so was RTA Patiala for permit-related work.

The implementation approach was to understand the existing operations at the computerized model sites and to replicate (or even improve) the same at all the remaining offices of the Transport Department including that of the SDM from where transport related services would be offered through a self-sustainable model.

Replication across all DTOs was completed in 2010. The Ministry then agreed to provide infrastructure for implementation of the project at the Sub Divisional Level also. This provided further boost to the replication efforts. Replication has since been completed at all the 75 sites of the state of Punjab. The Government of Punjab is keen to partner with private parties for infrastructure investment and support services on a **Build Own Operate and Transfer (BOOT)** basis.

To provide effective

services to the general public in the state, the Government of Punjab, through its Transport Department, had decided to introduce Transport Customer services and Smartcard-based integrated systems on a Public-Private Partnership (PPP) basis.

The Transport Department, Punjab rolled out the project of computerization of the Transport Department on the Build Own Operate and Transfer (BOOT) basis for a period of five years in the year 2011. A vendor was identified and was entrusted with the task.

The key objective of the project was to shift the processes, systems and approach from Government-centric to Citizen-centric by leveraging the effective usages of ICT, and thereby enabling prompt and single-window services.

Basic Smartcard-based infrastructure such as Smartcard readers, Smartcard printers, lockers for keeping SKMA and IA cards securely



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and necessary software support was provided by the vendor.

A demonstration on Smartcard technology and Key Management System was provided by the Smartcard Technologies Division from NIC, New Delhi to all the officials of the Transport Department. Subsequently, DTO Mohali started issuing Smartcard-based Driving Licenses and Registration Certificates from November, 2011.

Necessary training programmes were organized by NIC to enable officials to handle and comprehend the new technology for a smooth take off.

After successful implementation at DTO Mohali, smartcard-based DLs and RCs were rolled out across the state within a short span of time.



Deputy Chief Minister Shri Sukhbir Singh Badal inaugurating vehicle registration at dealer point

## Dealer Point Registration

In Punjab all new applications for Registration of private vehicles are being accepted at Dealer Point. Registration fee and road tax is accepted at the dealer end. The details of the vehicle and owner are captured. The data is transferred online to the DTO end for approval. The Smart Card RC is issued after approval from the DTO.

This system has been implemented in all the districts of Punjab. The dealer point registration software was inaugurated at Zirakpur by the Deputy Chief Minister Shri Sukhbir Singh Badal. The Deputy CM appreciated the system, and said that it would not only reduce the work load and long queues at DTO offices, but also facilitate citizens by reducing the number of visits required for registration of vehicles.

### Benefits

- Reduction in delays in sending documents to the RTO by Dealer

- Reduction in the workload of the RTO officer as all the data entry work is done by the dealer
- Less chances of erroneous entries
- Faster Approval Process
- Prompt payment of fees and taxes by the dealer resulting in quick receipt of revenue by the Transport Department

## Learner Licenses at Government Colleges

The government of Punjab took a landmark decision to allow institutes, colleges and other educational institutions to issue learner driving license to the students. The license would be issued after testing their knowledge of traffic rules.

The government issued notification for authorizing principals of all government colleges, polytechnic colleges, industrial training institutes and medical colleges by empowering them to issue learner license to the students after conducting the mandatory test on the knowledge of



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traffic rules. An amendment in Motor Vehicle Act, 1988, Rules 4, 10, 11 of the Central Motor Vehicle Act was also made in this regard.

As per the notification, all principals have been authorized to accept applications on prescribed form (Form – 3) along with three passport size photographs, proof of residence as applicable in the rules, proof of age, proof of citizenship and appropriate fee prescribed under the Motor Vehicle Act.



Deputy Chief Minister Shri Sukhbir Singh Badal inaugurating issue of Learner License through colleges

When submitting the application for learner license, the applicant needs to be physically present before the principal of the notified government institution.

The Learner License is issued once the principal is satisfied about knowledge of the applicant on

traffic rules, regulations and traffic symbols. The record is then forwarded in original to the DTO office and the collected fee deposited to the treasury concerned.

In case of private colleges the approval is granted by the DTO concerned after submission of proper records and fees to her / his office. The system has been implemented all over Punjab and has been appreciated by the student community.



Deputy Chief Minister Shri Sukhbir Singh Badal inaugurating vehicle registration at dealer point

The system was inaugurated at Mohali by the Deputy Chief Minister of Punjab Shri S Sukhbir Singh Badal.

The Deputy CM appreciated the efforts of NIC in development and implementation of the system. He noted that the system would facilitate the students in getting learner li-

censes in a much easier way without approaching DTO Offices.

### Inauguration of National Permit computerization at Patiala

Under the newly introduced regime for National Permits, a transporter is authorized to run his vehicle throughout India on payment of Rs 16,000. This is a boon for transporters as earlier they had to shell out some amount for every state, and authorization was also restricted to only three states. The National Permit Portal enables transporters to apply for the National Permit at the click of a mouse.

### Workshop on National Permit Portal

NIC Punjab and NIC Haryana jointly organized a regional workshop on the National Permits Portal at CDAC Mohali. The Ministry of Road Transport and Highways, Government of India sponsored the workshop. Officers from transport departments



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of Delhi, Punjab, Haryana, J&K, Chandigarh, Himachal Pradesh, Uttar Pradesh and Uttarakhand participated in the workshop.

The main objective of workshop was to discuss various aspects of the system being developed for online issue of National Permits so that a uniform system can be adopted throughout India.

The Secretary Transport, Government of Punjab Dr Arvinder Singh, IAS inaugurated the workshop.

He lauded the efforts made by the Ministry of Road Transport and NIC in developing a uniform system for National Permit. Shri Sameer Mathur, IAS, Principal Secretary Transport was the guest of honour. Shri Mathur noted that after the introduction of State Registers and National Registers for Driving Licenses and Registration Certificates, this was yet another major initiative by MoRTH and NIC in the transport sector. Shri Gautam Ghosh, Senior

Technical Director and Shri Sanjay Mendiratta, Principal Systems Analyst from NIC New Delhi demonstrated the portal that has been designed by NIC to manage National Permits.

### High Security Number Plates

Affixation of High Security Registration Plate (HSRP) started in the state of Punjab in the month of July, 2012. This was in pursuance of provisions made under section 41(6) of the Motor Vehicle Act, 1988 read with Rule 50 of the Central Motor Vehicle Rules, 1989 as notified by the Government of India, Ministry of Road Transport and Highways to introduce the High Security Registration Plate (HSRP) System in India. The scheme came into force for new vehicles. For already registered old vehicles the task of implementation of the scheme will have to be completed within two years as per the directions of Supreme Court of India. The High Se-

curity Registration Plates are affixed on the front and rear of vehicles.

In case of three and four wheelers, a third Registration Plate in the form of a self destructive sticker is affixed on the windscreen of the vehicle. Affixing of the High Security Registration Plates on vehicles is being done within the premises of the Registration and Licensing Authority, or the space provided by the authorities to fix the HSRP.

HSRP is integrated with *Vahan*, through a common workflow application, so that the data is automatically incorporated in the HSRP module. The HSRP Vendor also accesses the same application to update the details of the HSRPs fixed.

### e-Payment Facility

e-Payment facility for various services has been enabled by the Transport Department using the web portal [www.punjabtransport.org](http://www.punjabtransport.org). By using the e-pay-

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ment system, citizens can remit their fees, taxes, fines for road transport related services, etc. electronically.

## Enforcement and Investigations

Tracking the ownership of a vehicle will now be only an SMS away, with the National Register (NR) services in place, citizens and government officials is provided direct access to the portal depending on their level of authorization to fetch the data by simply sending an SMS to **9212357123**.

Citizens can send a query to know the expiry date for Road Tax or Fitness fees by sending an SMS to the specified number (**9212357123**) in a specified format. The system instantly reverts back with an SMS giving only the date of expiry.

In case the SMS is sent from an **authorized number** of a Transport Official, Police personnel, Enforcement Agency personnel, etc., the system reverts back by sending an SMS con-

taining full information including Owner Name, Address, Vehicle type, Tax, Insurance etc.

Sample Format:

**VAHAN** <space><vehicle no>

Example:

**VAHAN PB023E7855**

[Note: All Letters are Case Insensitive]

The Punjab Commissioner of Police Ishwar Singh stated that *Sarathi* for license details and *Vahan* for vehicle registration -- would be of great help to the police in tracking stolen vehicles and nabbing fake license holders.

## Delegation of Kenyan Government officials visit to Punjab, Chandigarh

Kenyan government officials arrived in the city of Chandigarh to learn about the e-Governance initiatives adopted by Punjab for automating its road transport sector.

The delegation led by Kenya's Registrar of Motor Vehicles was on a two-day visit.



In the meeting, the Secretary Transport, Punjab, Shri Mandeep Singh welcomed the delegates. The delegates also visited various site offices, and interacted with officials to learn about the implementation of methodologies utilized in automating the transport sector.

Francis Meja, Registrar of Motor Vehicles, Kenya was a member of the delegation. A complete demo was given to the delegation. This included registration at dealer point, online payment of fees and taxes, issue of licenses at educational institutes, etc., and an interactive session was also arranged to help in their learning.

Later, the next day, the delegates went to DTO Ropar for an onsite live demonstration of the twin software *Vahan* and *Sarathi*. Shri Tarninder Singh, SSA, NIC Punjab



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accompanied the delegation. They were also apprised of HSRP.

## Legacy Data

The Punjab State Transport Society has been constituted for making the Transport Department more efficient and to provide better services by enhancing reliability and convenience to the citizens.

The backlog data has been digitized for *Vahan* and is nearing completion for *Sarathi* as well as, for the entire state of Punjab.

The State/ National Register remains incomplete unless the legacy data is digitized and integrated fully. To keep the record in a safe manner, the

society has decided to scan all documents pertaining to DL, RC and Permits.

## New Initiatives

- Delivery of web-based services from the State Register and National Register
- Implementation of Centralized *Vahan*
- CheckPost Solutions
- SMS-based alerts
- Homologation and Maker/ Model
- Integration with Insurance Database
- Carriage by Road
- e-challenging by adopting enforcement module  
Smart Card based Enforcement: Mobile Based Enforcement

## Awards & Recognitions

Implementation of *Vahan* and *Sarathi* in Punjab won the **Silver Medal** under the category of '**Exemplary Horizontal transfer of ICT-based Best Practice**' in the **10<sup>th</sup> National Conference on E-Governance**.

*Vahan* and *Sarathi* implementation at Ropar was adjudged at the 7<sup>th</sup> position with an **overall score of 7.7** amongst the e-governance projects from all over India in the **Skoch E-governance Report Card**.



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## Computerized Learner License Test through STALL

From

**Dr AR Rao, DDG & Smt V Anuragamai, PSA**

Centre of Excellence for DL & RC,  
NIC Hyderabad

*The Transport Department is one of the largest revenue earning departments in the states dealing with various transport related matters such as Driving License, Registration Certificate, Permits and Enforcement functions. The Transport Department functions under the provisions of Section 213 of the Motor Vehicle Act 1988.*

*When an application has been duly made to the licensing authority and the applicant has satisfied such authority of his physical fitness under Section 8(3) and has passed to the satisfaction of the licensing authority the test which is referred in Section 8(5), the licensing authority shall, subject to the provision of section 7, issue the applicant a Learner License.*

*STALL is the software developed by National Transport Informatics Division, NIC, Hyderabad, which assists the Transport Department in conducting such tests as referred to in Section 8(5).*

*This test not only educates the citizens of the country with reference to the Traffic Signs and Rules, but also helps indirectly to reduce the number of Road Accidents.*



The chart shown is taken from a report brought out by the Government of India, Ministry of Road Transport and Highways, Transport Research Wing, New Delhi. It depicts the causes of Road Accidents.

As can be seen from the chart, the main cause of road accidents is "Fault of the Driver – 78%". This could be minimized by imparting proper training to the driver on

the Traffic Rules and Signs and the Motor Vehicle Act and Rules 1988.



*"The (WHO) World Health Organization brought out its Global Status Report on Road Safety in June 2009. It indicates that road traffic*

*injuries would become the fifth highest leading cause of death, out-ranking diabetes mellitus, HIV/AIDS, certain form of cancers and tuberculosis, in 2030 as compared to its ninth position in 2004."*

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## 1. Objectives of STALL

- To educate the common public about the Traffic Signs and Rules
- To conduct a fair and transparent Learner License (LL) Test
- To conduct the test in a language of the applicant's preference
- To help maximize the productivity of the RTO staff

## 2. Features of STALL

**Regional Language Support:** An applicant can write the LL Test in the language of his choice by selecting the language from the list of languages displayed. Currently the question bank is available in English, Gujarati, Hindi, Marathi, Tamil, Assamese, Telugu, and Malayalam.

**Audio feature enabled:** All the citizens aspiring for a license are not computer savvy, in order to make them feel comfortable, STALL has been designed with an Audio feature, so that the applicant may hear the question and the options provided for the question, and then confirm the answer by just pressing the option number of his choice.



**Examination Controlling Facility for the MVI:** The Motor Vehicle Inspector has total control over the LL Test. The MVI is the final authority to allow / disallow an applicant from writing the LL Test.

**Educate the applicant:** After the applicant confirms the answer choice, the correctness of the answer selected is displayed. The correct answer is displayed with a Green background.

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If the applicant has selected a wrong answer, then his answer choice is displayed with a Red background.

**Question Bank available with images:** To confer clarity to the questions and the options, the question bank is created with images wherever appropriate.

**Identity of the Applicant:** Photo of the applicant writing the exam is displayed on the screen throughout the exam process.

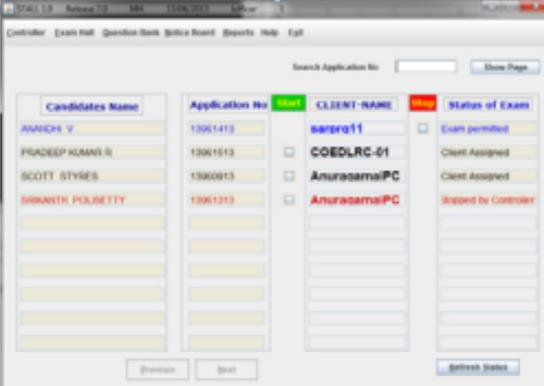
**Immediate Evaluation:** The LL Test conducted using STALL is transparent and the result is declared in the language opted, immediately after completion of the test

**Notice Board Facility:** Notice board with the details of the applicants waiting to write the exam are displayed.

played.

**Easily customizable:** The criteria for the exam such as the number of questions to be posed, the pass percentage, etc., can be easily customized as per the requirement of the state.

**Easy Data Flow from and to Sarathi:** All the applicants' data that is pending for the test is easily fetched from Sarathi and the results of the LL Test conducted by STALL are immediately updated to Sarathi.



Candidates Name	Application No	Test	CLIENT-NAME	Status	Status of Exam
ANAND Y	13061413	<input checked="" type="checkbox"/>	sarathi	<input type="checkbox"/>	Exam permitted
PRADEEP KUMAR R	13061513	<input type="checkbox"/>	COEDLRC-01	<input type="checkbox"/>	Client Assigned
SCOTT STYRES	13060913	<input type="checkbox"/>	AnurasamaPC	<input type="checkbox"/>	Client Assigned
SIRNATH POLSETTY	13061313	<input type="checkbox"/>	AnurasamaPC	<input checked="" type="checkbox"/>	Stopped by Controller



**STALL TEST**

ASBOK MERTIA

Which sign denotes 'Cycle Crossing'?

Options:

- 
- 
- 
- 

Labels Score: 0/2    Remaining Time:    Present questions: 2



**STALL TEST**

ASBOK MERTIA

What is pedestrian crossing, where the pedestrians are willing to cross the road, you should:

Options:

- Speed limit not reduced.
- Slow down the speed, sound horn and proceed.
- Give priority to the pedestrian and proceed in a straight line.
- Stop at a sign.

Labels Score: 4/9    Remaining Time:    Present questions: 9

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### 3. Technical Description

STALL has been developed in JAVA, RMI architecture. The back end database could be any RDBMS such as MS SQL Server/ DB2/ Oracle. STALL has enriched the regional language support by utilizing Unicode compliant fonts and Unicode Compliant Character Set of

the RDBMS.

The database server could be any Windows Server for the MS SQL SERVER RDBMS and could be Red Hat Linux or Windows Server for the Oracle/ DB2 databases.

Windows XP/ Vista / 7 versions could be used as the

Operating System where this application could be run. These servers and all the clients earmarked for conducting the exam should be connected in LAN. All the clients where the STALL modules have to be installed should have JRE.



STALL Notice Board

Exam Date: 20/6/2012

Roll No.	Client ID	Candidate Name	Photo	Roll No.	Client ID	Candidate Name	Photo
52.01	E	75012		52.01	PR0000	75012	
E		ABHOK MEHTA		E		75012	
52.01	E	75012		52.01	RA0000	75012	
E		ANSHU		E		75012	
52.01	E	75012		52.01	RA0000	75012	
E		ANSHU		E		75012	
52.01	E	75012		52.01	RA0000	75012	
E		ANSHU		E		75012	
52.01	E	75012		52.01	RA0000	75012	
E		ANSHU		E		75012	

- :: 1. Tribute :: 2. Condolence :: 3. Charting the Course :: 4. Special Feature :: 5. State on the Move – Punjab ::  
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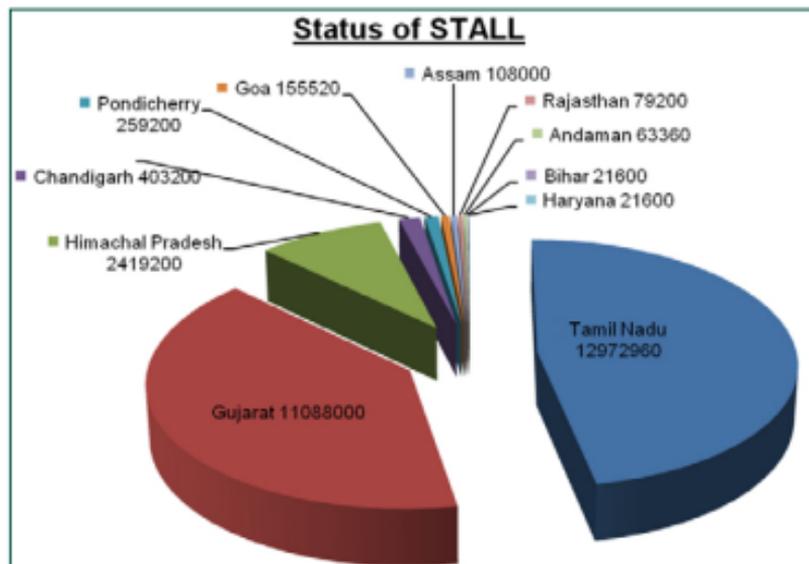
## 4. Implementation of STALL

Implementation Status of STALL as on June 2013 in various States				
S. No.	State	Number of RTO Offices	Total Number of Candidates Tested	Number of Years of implementation
1	Tamil Nadu	117	12972960	7
2	Gujarat	27	11088000	7
3	Himachal Pradesh	60	2419200	4
4	Chandigarh	1	403200	7
5	Pondicherry	1	259200	6
6	Goa	9	155520	4
7	Assam	1	108000	3
8	Rajasthan	11	79200	6 Months
9	Andaman	1	63360	4
10	Bihar	1	21600	6 Months
11	Haryana	3	21600	2
12	Maharashtra	1	3840	4 Months
13	Daman & Diu *			
14	Jammu & Kashmir *			
15	Orissa			
16	Punjab	Data Not Available		
17	Uttarakhand			

Note: \* Indicates that it is in the process of implementation

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## 5. Pictorial Representation of the Implementation



## 6. Status of STALL

STALL has been implemented in the 8 following languages:

- i. English
- ii. Hindi
- iii. Tamil
- iv. Gujarati
- v. Marathi
- vi. Assamese
- vii. Telugu
- viii. Malayalam



## e-Vahan for Dealer point Registration in Goa

From our Goa Correspondent **Shri Satesh P Redkar**

**Goa, June 2013:** The National Informatics Centre, Goa has developed and implemented a software module known as e-Vahan to enable registration of vehicles by the Dealer. e-Vahan is fully integrated with Vahan which is presently implemented in all the 9 RTO locations of Goa. e-Vahan allows dealers to complete all the registration formalities including the collection of road tax, registration fee, allotment of vehicle number (ordinary or choice) on-line and instantly with the customer.

Presently e-Vahan is being used to register Non-Transport vehicles such as two and four wheelers from the dealer premises itself. The dealers have the added advantage of being able to register the vehicles after office hours, on weekends and holidays. Nearly 100 vehicles are being registered on a daily basis from the premises of the deal-



ers. Till date more than 32,000 vehicles have been successfully registered using e-Vahan.

Any Dealer who wants to use e-Vahan has to obtain prior permission from the Department of Transport. On obtaining the necessary permission from the Department of Transport, the dealer has to first deposit the fee and tax amount known as Wallet Balance in advance with each of the registering authorities. The vehicle registration process includes Purchaser details entry, Vehicle details entry, Fee & Tax Collection and Registration Number

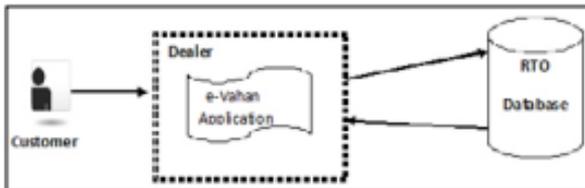
allotment. Apart from these, each of the dealers has the provision to do Stock Entry of the Vehicles being registered with the registering authority concerned.

Registration Number allotment can be a running number or any choice number in the running series. If a choice number is selected then a choice fee is deducted from the Dealer Deposit Balance. The e-Vahan application has been hosted in the intranet server, and dealers can access the same using VPN through broadband.

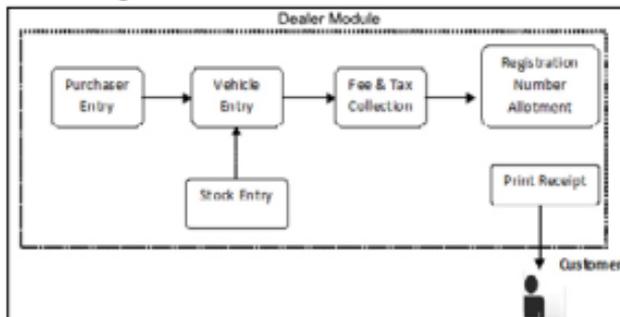
7

## Dealer Registration Process

Context Flow Diagram



Data Flow Diagram



Registration of Vehicle Process at the Dealers' point mainly consists of four steps:

- i. Purchaser Entry
- ii. Vehicle Entry
- iii. Fee & Tax Collection
- iv. Registration Number Allotment

Each of the steps involved in e-Vahan is explained in brief below:

### Purchaser Entry Form:

To begin with the Vehicle Registration process, the user has to use the Purchaser Entry Form wherein the user can enter the details of the vehicle purchaser such as name, address, etc.

### Vehicle Entry Form:

Subsequently vehicle details such as Chassis Number, Engine Num-

ber, Manufacturer, Model, and Color, Vehicle Class, etc. can be entered using the Vehicle Entry form.

### Fee & Tax Collection Form:

After purchaser and vehicle details are entered the vehicle registration Fee and Road Tax payment can be collected using the Fee

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and Tax Collection form. On payment of Fee and Road Tax, a receipt number is generated which needs to be submitted on the registration number allotment form.

### **Registration Number Allotment Form:**

After Fee collection is done the next step is selection of registration number, where either the running number or a choice number is selected.

### **Fee Receipt Print:**

After allotment of registration number, a receipt is generated and issued to the customer.

Later the Registration Certificate (RC) book is printed and issued from the office of the respective registering authority.

### **Conclusion:**

The dealer has the convenience of registering the vehicle after RTO Office hours, on weekends and holidays. e-Vahan

has resulted in great convenience to the motor vehicle purchasing customer at an affordable service price.

The customer no longer has to run from pillar to post to get her / his vehicle registered.

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## e-Payment Facility for Transport Services rolled out across Kerala State

From our Kerala Correspondent **Shri M Asir Edwin**

**Thiruvananthapuram, June 2013:** The Chief Minister of Kerala Sri Oommen Chandy inaugurated the State-wide roll out of the e-payment system for various RTO services in a public function presided by the Kerala Transport Minister Shri Aryadan Muhammed on June 10, 2013.

Member of Legislative Assembly Shri K Muraliedharan and the Mayor Smt K Chandrika were also present in the inaugural function. From NIC, Dr Ram Mohan Rao, DDG, participated and presented the felicitations. ADGP Intelligence Shri Sen Kumar, IPS, Transport Commissioner Shri Rishi Raj Singh, IPS, Principal Secretary IT, Shri PH Kurian, IAS, Secretary Transport, Dr VM Gopala Menon, IAS, Director Treasuries, Director CDIT and Manager SBI



Hon. CM of Kerala Sri. Oommen Chandy inaugurating the State Wide Rollout of MVD e-Payment System

were the other officials who were felicitated on the occasion. NIC Transport Team members along with Smt Asha Varma KC, State Informatics Officer (in-charge) attended the function. NIC was honored by the Kerala CM with a memento.

The e-Payment system was introduced as a pilot project last year in the RTOs and SRTOs of Thiruvananthapuram district. The Depart-

ment collected over Rs 47.24 crore through e-payments during this period from around 50 thousand application requests.

As the system received public acceptance and support, the Department decided to roll out the e-Payment system across the State.

Enabled by the e-pay system, citizens can remit their FEE, TAX and CESS for License

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and Vehicle related services electronically to the Department. This facility gives the people the freedom of not visiting RTOs to make payments, and promises faster and transparent services.

The system is enabled through the web portal (<http://keralamvd.gov>).

in) of the Kerala Motor Vehicles Department. Initially, the e-payment system has been enabled with the link banks of the Treasury in Kerala -- the State Bank of India (SBI) and State Bank of Travancore (SBT). A citizen who does not have access to internet banking or ATM card in SBT or SBI, can make

the e-payment through the Akshaya Centers (CSC of Kerala). As soon as the common e-Payment gateway of the Kerala Government is launched, citizens will be able to make e-payments for the RTO services through any nationalized bank.



Inaugural Speech by Chief Minister of Kerala



Presidential Address by Minister for Transport



Member of Legislative Assembly releasing the Brochure in the presence of Hon. Minister for Transport



Felicitating by Dr Ram Mohan Rao, COG, NIC



Memento to NIC Team is received by Shri M Asir Edwin from Chief Minister of Kerala



Audience

The NIC team comprising members Shri M Asir Edwin, Technical Director, Ms VS Sreekala, PSA and Ms Somi P Thomas, SSA, worked for the enablement of the e-Payment system of MVD.

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Online application submission and e-Pay facility for the following 20 MVD services are available to the public through this facility:

1. New Learner's License (LL) with Booking of LL Test Date (FEES & Service Charge)
2. New Driving License (DL) (FEES & Service Charge)
3. License Particulars (FEES & Service Charge)
4. Change of Address in DL (FEES & Service Charge)
5. Badge for Transport Vehicles (FEES & Service Charge)
6. Addition of Class in DL (FEES & Service Charge)
7. Duplicate License (FEES & Service Charge)
8. License Renewal (FEES & Service Charge)
9. Transfer of Other State DL (FEES & Service Charge)
10. New Vehicle Registration (FEES, TAX, CESS & Service Charge)
11. RC Particulars (FEES & Service Charge)
12. Duplicate RC (FEES & Service Charge)
13. Change of Address in RC (FEES & Service Charge)
14. Registration Renewal (FEES & Service Charge)
15. Endorse Hypothecation (FEES & Service Charge)
16. Cancel Hypothecation (FEES & Service Charge)
17. Transfer of Ownership (FEES & Service Charge)
18. No Objection Certificate (FEES & Service Charge)
19. Re-Assignment (RMA) (FEES & Service Charge)
20. CF Test application with Booking CF Test Date (FEES & Service Charge)

The Internet-driven system will help citizens to save time. For instance, vehicle owners in need of fitness certificates for their vehicles can pay the required fees online and bring the vehicles straight for inspection of the authorities instead of waiting in a queue to remit the fees before the inspection.

For availing this facility, citizen needs to submit (directly or through CSCs like Akshaya Centers) the online application for the required service through the MVD web portal (<http://keralamvd.gov.in>).

## Prototype for HP Special Road Tax calculation under testing

From our Himachal Pradesh Correspondent **Shri Bhupinder Pathak**

**Shimla, June 2013:** NIC Himachal Pradesh has developed the prototype of a web-based application for calculation of Special Road Tax (SRT) which uses the data captured from *ePathkar* software used for time table and route calculation of Stage Carriage Vehicles (Buses).

As per the Himachal Pradesh Motor Vehicles Taxation Act, 1972 (Act No 4 of 1973) there is provision for Special Road Tax (SRT) for Stage Carriage Vehicles.

The calculation part of the existing Special Road Tax is very cumbersome due to the inclusion of various parameters in the calculation process such as seating capacity of vehicle, categorization of roads, different SRT

rates for different categories of roads, penalty and installments, etc.

In 2010, NIC Himachal Pradesh had developed the web-based software *ePathkar* (<http://admis.hp.nic.in/pathkar>) for time table and route calculation of stage carriage vehicles. Now the data from *ePathkar* is sought to be used for simplification of the complex process of SRT calculation adhering to the applicable business logic so that it can be used in all RTOs.

The prototype has been developed by Shri Lalit Kapoor, Technical Director, Shri Bhupinder Pathak, Principal System Analyst, and Shri Prithvi Raj Negi (STA-B) under the supervision of Himachal Pradesh NIC State Informatics Officer

Dr Saurabh Gupta, in continuous collaboration with officials from the Himachal Pradesh Transport Department.

The prototype of the software has been demonstrated to the Transport Department officials concerned and has also been shared with the HP Transport Department with dummy database for feedback and testing purposes.

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## RC and DL Smart Card Delivery by SPEED POST

From our Maharashtra Correspondent **Shri YJ Godbole**

**Pune, June 2013:** In order to ascertain the authenticity of the Vehicle owner / Driving Licensee, the Maharashtra Motor Vehicle Department has taken a decision to send smart cards for Registration Certificates (RCs) and Driving Licenses (DLs) by speed post to the address given in the application form and charge Rs 50 towards Speed Post charges. Initially tested in a pilot project, the process has now been rolled out through the State of Maharashtra.

The module was developed by NIC Pune and incorporated in *Vahan*. The software allows RTO offices to select licenses (according to their dates) to be sent by Speed Post. The module generates data in the

form of excel sheets for use by the Department of Post. The excel sheet is then sent by email to the Department.

The Department of Post delivers the Smart Card to the addressee con-

cerned. If the concerned person is not available at the given address, the Post office returns the smart card to the RTO office.



Print report for any specific day or between the dates.



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## Report

Postal Service Report

Report Generated For: 1 user(s)  
Generated On: 07 Sep 2011 08:04:44

**RC Delivery Information to Post Office**

From: 11-Jul-2011 To: 11-Jul-2011

Sl.No.	Veh.No. & Reg. No.	Owner Name	Address	RC Issue Date
1	WH20V024 26-06-2011	SHR SHARPREETHA MOTLNO	13 ANBAM SOCIETY/VALLE NAGAR VERVADA PUNE 411008	11.07.2011 14.09.20
2	WH20V016 26-06-2011	SHRANVEDRA RANJANANT JOSHI	FLAT NO 41 GADGUL/WRUPA APDS SOPRATH MCGROTH/SHRI PUNE 411008	11.07.2011 14.09.14
3	WH20V017 26-06-2011	SHR PREETI PHATALE	848 RAJWASPRETH KAMBLE PUNE 411002	11.07.2011 14.09.06
4	WH20V016 26-06-2011	SHR GUNASEKAR BANSAL	SHR GUNASEKAR RD-ADOLPHVILLE NAGAR SARFAD PUNE/SHRI PUNE	11.07.2011 11.07.09
5	WH20V020 26-06-2011	SHR HIRSHANT BANSAL	107 TE 903 GAOKHAR RD MCGROTH/SHRI PUNE 411008	11.07.2011 14.09.02

Total No. of New RC Issued: 5

Excel Sheets generated for the Department of Post

Upload Data to Post Office

**Upload Data to Post Office**  
( PUNE )

[Enter RC Issue Dates Range to Print and Provide Data to Post Office](#)

Date From: 11-Jul-2011 Date To: 11-Jul-2011

Print Export To Excel Exit

## Pilot Project for Cashless Treatment of Accident Victims launched

From a Press Release

**New Delhi, July 29, 2013:** In order to give a boost to emergency care of accident victims, Shri Oscar Fernandes, Union Minister of Road Transport & Highways, launched a pilot project for cashless treatment of accident victims on the Gurgaon – Jaipur stretch of National Highway-8 on July 29, 2013.

Among the dignitaries present were Shri Ashok Gehlot, Chief Minister of Rajasthan, Shri Bhupinder Singh Hooda, Chief Minister of Haryana, Dr Tushar A Chaudhary, Minister of State for Road Transport & Highways, Shri Sarvey Sathyanarayana, Minister of State for Road Transport & Highways, and Shri Vijay Chhibber, Secretary, Ministry of Road Transport & Highways.

Shri Fernandes flagged off six new Advance Life Support ambulances, specifically supplied by the Union Ministry of Road Transport & Highways, to be exclusively used for urgently transporting accident victims to nearby hospitals.

Shri Fernandes also flagged off a crash investigation vehicle deployed by the National Automotive Testing and R&D Infrastructure Project (NATRIP) for scientific investigation of serious accidents on this stretch by a team headed by Professor Anoop Chawla of IIT, Delhi, under a project sanctioned by Union Ministry of Heavy Industry & Public Enterprises.

On the occasion, Shri Fernandes also released the National Ambulance Code developed by the Ministry of Road Trans-

port & Highways by utilising the expertise of the All India Institute of Medical Sciences, New Delhi, with the active participation of the automobile industry, vehicle testing agencies and other stakeholders.

Unique features of the pilot project include:

- i. a Toll free number 1033 to report accidents;
- ii. a 24X7X365 call centre to receive information about accidents and deploy the nearest ambulance by tracking through GPS device;
- iii. nomination of local youths by the Nehru Yuva Kendra Sangathan as Road Safety Volunteers who were trained

in First Aid by the Ministry of Road Transport & Highways at the All India Institute of Medical Sciences;

- iv. cashless treatment of road accident victims on the Gurgaon – Jaipur stretch at 44 empanelled hospitals and 7 government hospitals located on the stretch;
- v. scientific investigation of serious accidents by a team headed by Prof Anoop Chawla of IIT, Delhi, under a project sanctioned by Ministry of Heavy Industry & Public Enterprises in association with NATRIP, the data from which would be used for enhancing mechanical safety of vehicles, improving road geometry, designing driving training courses etc.

Speaking about the National Ambulance Code,

Shri Chhibber said that the Ministry had taken action for formulation of this Code in order to improve the quality and safety of ambulances on Indian roads.

Certain minimum standards and guidelines have been laid down for constructional and functional requirements of ambulances so as to ensure care and comfort of patients.

The category of First Responder, which also includes two wheeled ambulances, has been specially introduced for the first time in India to cater to the need for providing prompt medical care in congested by-lanes and high traffic areas. He announced that the Ministry has already initiated action to make construction of ambulances as per provisions of the Code mandatory under Central Motor Vehicles Rules.

Speaking on the occasion, Shri Fernandes expressed his deep

concern over the high incidence of road accidents and fatalities in road accidents. He said the Government of India is committed to take all possible steps to make the roads safe for the public. He expressed the hope that the two steps initiated by his Ministry – development of the National Ambulance Code and cashless treatment of road accident victims would make a major impact on the road safety scenario of the country.

Shri Fernandes said that on the basis of the experience gained from this pilot project and the investigation by the team of IIT Delhi a more comprehensive scheme may be launched for the entire country in phases.

Shri Fernandes profusely thanked the Chief Ministers of Haryana and Rajasthan for the active help and support of the two State Governments in the launch and implementation of the pilot project.

## What is happening where?

**In Andhra Pradesh**, all Driving License (DL) data has been ported successfully from all the two-tier RTO offices. Porting of DL & Vahan incremental data is going on successfully, All the RTO offices running with 2-Tier software have migrated to the 3-Tier software model.

**In Jammu & Kashmir**, the Transport Department has started the online Learner License services. Dealer-point registration with payment gateway is also being planned for early implementation.

**In Manipur**, a three-day training programme on Vahan, Sarathi and Online Services was conducted for all the LDCs / UDCs of the Manipur Transport Department, at the Directorate office, Imphal from July 15, 2013 to July 17, 2013.

**In Punjab**, the Department of Transport, Punjab is ready for the roll out of HSRP for old/replacement of vehicles. Necessary instruction has been passed on to the vendor. High Security Registration Plates (HSRP) was implemented for new vehicles in mid-2012.

**In Puducherry**, with the establishment of PSWAN connectivity at Checkposts, the Transport Department is planning to issue Temporary permits and Special permits through Vahan very soon. The Department has entered into an agreement with the State Bank of India for providing online payment gateway support for the introduction of online dealer point registration to be introduced shortly.



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*Sarbjeet Singh*

Senior Technical Director, NIC Punjab

**Sarbjeet Singh**, from Jammu, the summer capital of Jammu and Kashmir, is our Punjab Project Co-ordinator-cum-Correspondent. He obtained his Masters in Computer Applications from the Thapar Institute of Engineering and Technology, Patiala.

With his wife **Usha Rai** working with NIC Punjab as a Technical Director, we have another example of a NIC Couple. They are blest with two daughters **Sukirit Kaur** and **Asdhaj Kaur**. Sukirit has completed her 10+2 this year and aspires to be a Doctor. Asdhaj is studying in class Eight at Sacred Heart Senior Secondary School, Chandigarh.

Mr Singh is the kind of person who accepts challenges with enthusiasm. He believes in team work, and in motivating the team to maintain a high energy level. He considers adhering to timelines a crucial component of success.

He is a man who loves reading – Dan Brown of *Da Vinci Code* fame and Coelho Paulo who wrote *The Alchemist* are amongst his favorite authors.

Mr Singh has a weakness for Indian cuisine, but he would go for ‘anything delicious’. He likes playing badminton with his daughters – a nice way to lose the extra calories. He also loves listening to good music.

Why does he think the Transport Computerization Project is special – ‘*Sarathi* and *Vahan*’ not only provide a seamless citizen centric service but also helps the enforcement agencies in plugging the leakages in terms of revenue as well as in cases of theft. The project provides, particularly me, an opportunity to work with a wonderful team from all corners of the country, with diverse experience and expertise’.

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Now also as Correspondents for *Parivahan NextMile*

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## List of Transport Project Officers at NIC HQ

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Administrative Coordinator	Mr Pradeep Kumar Gupta	STD	5201	9818818938	011-24305201	pkgupta@nic.in
Data Integration Coordinator	Mr Nagaraj Kulkarni	STD	5202	9868227386	011-24305202	kulkarni@nic.in
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Vahan Team Member	Mr Deepak Mehra	TD	5682	9810626233	011-24305682	deepakm@nic.in
Vahan Team Member	Mr Sanjay Mendiratta	PSA	5686	9958388995	011-24305686	sanjaymen@nic.in
Vahan Team Member	Mr Ravindra Gautam	SA	5687	9868260189	011-24305687	rgautam@nic.in
Vahan Team Member	Ms Nisha Gupta	Technical Asstt - B	5901	9958277191	011-24305901	nisha.g@nic.in
Vahan Team Member	Ms Manisha Aggarwal	Scientific Officer	5906	9810377441	011-24305906	manisha.aggarwal@nic.in
Sarathi Team Member	Mr Manoj Kumar Srivastava	SA	5684	9968071989	011-24305684	mks@nic.in

