



# SMART Move

(Customised Vahan-Sarathi for Kerala)

## Software for Automising Various Services of the Motor Vehicles Departments in Kerala

### SMART Move

#### Advantages over Manual System

Computer generated Certificates issued.

Manual records removed

Higher accountability

Randomly generated Registration numbers reduces time required to allot numbers.

System support for booking and tracking of Fancy number applications.

Storage and Retrieval of all vehicle and tax data in database.

Reports generation and query searches possible

Tracking of applications through various stages of processing

Higher barriers for fraudulent issue of R.C books.

Learner's License issued immediately.

Efficient and transparent administration of online test for applicants.

Repository of a large, scalable databank of questions.

Automated driving test date allotment: Based on a number of constraints like availability/ capacity of MVIs, non-working days, working hours, preferences of applicants, absenteeism etc.

SMART Move and its components constitute a proprietary software developed by the Kerala State Division of the National Informatics Centre (NIC) for the Motor Vehicles Department of Kerala.

It is a comprehensive package automating all the citizen centric procedures and obviating the necessity to maintain manual records. This software is used for online transactions of various activities of Motor Vehicle Department, Kerala State.

The application is organized around modules and relevant functions that enable the department to logically assign work to the various personnel engaged in their respective functions.

Every module is interlinked with other modules for necessary electronics data interchange between all offices of Motor Vehicle Department. The objectives of computerisation are increased efficiency reduced processing time, Customer satisfaction by way of reduced waiting time etc.

The following manual records will be replaced by the implementation

- All Registration records
- Tax Collection Registers
- All Permit Registers
- All License Registers
- Register of Agents



Visitors to the RTO at the Help Desk

#### Features

- ✓ Any Counter, Any Service
- ✓ Automised Work Allotment
- ✓ Fingerprint verification for login into the system
- ✓ Menu Management through Role Assignment
- ✓ Three Level Authorisation
- ✓ Menu Level Control on User Privileges
- ✓ Menu Management through Role Assignment
- ✓ Transparent & Effective Monitoring of Workflow
- ✓ Embedded Help Facility
- ✓ Encoded Barcode for High Security
- ✓ History is maintained for any modification of data
- ✓ Four Types of Backup Strategy
- ✓ Handy outputs of License and Registration
- ✓ Present Status of each file is available to the public through the internet
- ✓ Search facility of any table using any condition
- ✓ Automatic work allotment for an employee by considering his work load



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Department of Information Technology  
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# SMART Move

## Modules

- ✓ **CALLS**  
Learners License Test Module
- ✓ **SMART Touch**  
Touch Screen Kiosk Module
- ✓ **SMART Sync**  
SMART Move Data Synchronisation Module
- ✓ **SMART Web**  
SMART Move Web Services Module  
<http://rto.kerala.nic.in>

## CALLS

COMPUTER AIDED LEARNERS LICENSING SYSTEM



- ▶ Requires only Low-end server
- ▶ Number of exams nodes is scalable
- ▶ Mock test is available
- ▶ Exam can be taken in Malayalam & English
- ▶ Exam status is displayed at the control node
- ▶ Nodes are allotted on a FIFO strategy
- ▶ Acoustic notification of node allotment is provided
- ▶ Selection of question is random and non-redundant
- ▶ Exam scores are visible to the candidate at all times
- ▶ Learner's license is issued promptly

## SMART-Touch

SMART MOVE TOUCH SCREEN MODULE



- ▶ Public can know the file status through Kiosk
- ▶ Public can know the status of their application submitted to the RTO.
- ▶ RC Details of the vehicles can be obtained
- ▶ Details of Vehicle, Owner, Hypothecation and Tax details of any vehicle can be obtained by searching the Registration Number
- ▶ Exact tax calculation for any type of vehicle is possible
- ▶ Public can know the amount of tax to be paid for any type of vehicle for any period by selecting proper vehicle class and period

- ▶ Driving License test date can be changed by the candidate on proper authentication
- ▶ Public can get acquainted with the Computer Aided Learners License (CALLS) test using the Kiosk

## SMART-Web

SMART MOVE WEB SERVICES



- ▶ Citizen can know the status of their application submitted to the RTO, through internet
- ▶ RTO Staff can inform the applicant regarding any clarification/missing documents required for processing the application
- ▶ Fancy number booking availability and current booking range can be published through internet
- ▶ List of Vehicle registration number allotment
- ▶ Registration and hypothecation details of registered vehicles
- ▶ The exact tax amount can be calculated for any type of vehicle by the citizen
- ▶ Vehicle dealers can feed the data regarding vehicles they are selling and this data can be transferred to the RTO. This will speedup the temporary registration process

## SMART-Sync

SMART MOVE DATA SYNCHRONISATION MODULE

- ▶ The RTO database is kept in synchronisation with the database in NIC, Kerala Web Centre using web services. This is scheduled to happen in every 30 minutes
- ▶ Fees & Tax collected in other offices like FRIENDS are also transferred to the RTO through dialup and is automatically updated into the RTO database