

# e-Gov Mobility Platform Services

Mobility Platform Services (MPS) is an open, comprehensive and advanced mobile application platform for smart phones and tablets, helping Government organizations of all sizes to efficiently customize the requirements, emulate and deploy on multiple platforms.



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**M**PS allows the Application Service Provider (ASP) to carry out the tasks such as registration of a mobile app, customization of requirements, registering web services to fetch data from multiple domains and deliver the mobile app on multiple platforms. The mobile apps that are offered from MPS are of two categories namely, Public Information Client providing information to citizen and Work from Anywhere Client for Govt. officials to carry out their field work, data collection, on site approvals and monitoring.

### KEY FEATURES

- Customize once and deploy in multiple platforms; development of mobile applications not necessary
- Online and offline mode of operations are supported.
- Information Client App and Secured Work from Anywhere Client App are the two categories available under MPS.

- Secure client can be used by the Field Officers in Government for field level verifications, validations, inputs, etc., with location details and photograph.
  - Paper-less and efficient way to carry out tasks from anywhere.
  - Data exchanged is secure and encrypted over SSL and apps are security audited.
  - Unicode is supported and multi lingual apps are available under MPS.
  - Easily configurable and reusable and hence can be used by any department across the country
  - Geo Coordinates supported and hence field level jobs can be performed and tracked from anywhere
  - Personalization is fully supported. Multiple themes, logo, BG designs are available for various requirements under MPS.
  - Statistical Analysis on the usage, pattern, location and device are available under MPS.
  - Immediate emulator review after customization over email & SMS
- MPS offers two types of mobile clients:
- Information Client (Public/Internal use),

S.No.	Activity	MPS team	Application Service Provider	Ministry/ Department
1	Register ASP details MPS	✓		
2	Registration of APP	✓	✓	
3	App Design (Customization)		✓	
4	App Preview	✓	✓	✓
5	App Approval			✓
6	Web service development		✓	
7	Web Service Integration		✓	
8	App release	✓	✓	
9	Security Audit		✓	
10	App roll-out			✓

MPS Roll Mapping

- Work from Anywhere Client.

## AN OVERVIEW OF INFORMATION CLIENT

Information Client can be used by the public or by the department internally. It disseminates information to the public as required. User can query the information from various departments using:

- Textual Data
- Numeric Data
- Dates
- Selection from the given list of options

Information Client also registers the transaction details from the MPS services as transaction logs for statistical & analysis use.

## AN OVERVIEW OF WORK FROM ANYWHERE CLIENT

Work from Anywhere Client is a secured client for every government official to carry out their field work or monitoring. This requires authentication and authorization. The mobile IMEI number is verified for every operation that is carried out using this client. The client can be used by Department Officials to carry out their job from anywhere.

Work from Anywhere Client uses the secured (SSL) hosted services, in which the Department user can obtain the information as required. Data collected through secured Work from Anywhere includes:

- Textual Data (numeric, date, alphabets, alphanumeric)
- Photos
- Geo Tag (Latitude & Longitude)
- Selection from the given list...etc.

In addition the Work from Anywhere Client can also collect transaction details such as

- Mobile IME Number
- SIM Card Number
- Date & Time
- User Name and Password as required



Team receiving the e-India innovation in Governance Award 2014

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## INNOVATIONS IN MPS

- SDLC is eliminated.
- Requirement Analysis Prototype phase is live after every design change as SMS, email.
- Iterative Design, feedback/review and the Requirement Freezing
- Alerts can be sent to all stakeholders for concurrence.
- The mobile app is launched as soon as the required domain web service is provided by ASP.
- The architecture is loosely coupled.
- Pay load between layers is encrypted XML data.
- Restful web services are Secured Socket Layer for External application integration.

## TECHNOLOGY

- O.S - Ubuntu Linux
- Database - PostgreSQL 9.2
- Scripts use - PHP 5.3
- Web server - Apache and Tomcat
- **Framework-1.** Phone Gap Mobile development Framework
- 2. HTML5/CSS3

## GREEN E-GOVERNANCE

Green e-Governance is the application of Green computing practices to the domain of e-Governance. It involves adoption of environmentally friendly practices with respect to creation, use and disposal of ICT facilities. The information client to public and secured anytime anywhere client work flow automation directly and indirectly saves paper from multiple field units at various levels of the department/Government. The data capturing, review and maintenance can be done through the device instead of workflow within the department using papers and files.

## AWARDS

The Mobility Platform Services by NIC, Tamil Nadu bagged the prestigious e-India 2014 award under “Innovation in Governance of the year” category.

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