



Solutions For eGovernance

eSols worldwide Ltd in collaboration with Aditya Software Solutions (P) Ltd

What is eGovernance?

E-governance or electronic governance is defined as delivery of government services and information to the public using electronic means. Such means of delivering information is often referred to as information technology or 'IT' in short. Use of IT in government facilitates an efficient, speedy and transparent process for disseminating information to the public and other agencies, and for performing government administration activities. Electronic Governance helps in bringing

- **Simple**
- **Moral**
- **Accountable**
- **Responsive and**
- **Transparent Governance.**

Need For eGovernance:

World economies have recognized Information Technology (IT) as an effective tool in catalyzing the economic activity, in efficient governance and in developing human resource. They have, therefore, made significant investments in it and successfully integrated it with the development process, thereby reaping the benefits to their society. In India also these developments have impacted the industrial, education, service and Government sectors and their influence on various applications is increasingly being felt of late.

As the era of digital economy is evolving, the concept of governance has assumed significant importance. The questions often asked in this context are:

- How government can become more responsive and accessible?
- How can the government enhance its role as a catalyst of economic growth?
- How can one provide better Government services and,
- How can the government use advanced technologies for transferring benefits, improving health care and education, re-engineering.

These questions are now adequately answered through the adoption of e-governance. The e-Governance has consequently become an accepted methodology involving the use of IT in:

- Improving transparency
- Providing information speedily to all citizens
- Improving administration efficiency



- ❑ Improving public services such as transportation, power, health, water, security and municipal services.

Identification of Govt. Departments with maximum citizen interface:

Government departments, which have maximum interaction with the public, must be identified for the use of IT. Listed below are a few such departments that ADSOL has come out with a solution:

Utility Payments / Billing

- ❑ **Electricity, Water, Telephone**

The solution that ADSOL offers in this is the issuance of the low cost Barcode-enabled ID Cards for the individual end-user. Individual department will have the database of the User Base. The department uses Handheld Gadgets having an In-built Barcode Scanner along with a portable printer in issuing the bill. The bill consists of Barcode encoded information of the End User and the details of the payment that has to be made. The Gadget synchronizes this information with the Central Database. The Common Man can carry the Id card or the bill to the nearest Collection Center where on scanning the id the info of the payment that has to be made appears on the screen and the payment is accepted eliminating the Manual work in the process. Karnataka Govt is in the process of evaluating this schema.

Social Services:

- ❑ **Driving License**

The solution that ADSOL offers in this is the issuance of the low cost Barcode-enabled ID Cards for the individual end-user. RTO will have the database of the User Base. To monitor the traffic regulations and irregularities committed by the Driver and keep track of the same, the Inspector carries a Handheld Gadget having an In-built Barcode Scanner along with a portable printer in issuing the TICKET. The Ticket consists of Barcode encoded information of the End User and the details of the Ticket that was issued. The Gadget synchronizes this information with the Central Database. The Common Man can carry the Id card or the bill to the nearest Collection Center where on scanning the id the info of the ticket appears on the screen and the fine (if any) is accepted eliminating the Manual work in the process. This helps in keeping track of the records of the driver and there can be a threshold decided which when a Driver exceeds his / her License could be suspended. This will also help in tracking the Driver Community in the entire state. The New York State uses this approach and also the Philippines Govt has implemented this as well.





Driver's License from the state of New York

Driver's License from the Republic of Philippines

❑ **Motor Vehicle Registration**

The solution that ADSOL offers in this is the issuance of the Barcode-enabled Sticker that will identify the vehicle and the storage of all the info on the database. The Barcode-enabled Sticker sticks onto the vehicle (Inner glass of 4 wheeler), on the Surface of the 2-Wheeler. To monitor the traffic regulations, the Inspector carries a Handheld Gadget having an In-built Barcode Scanner. To make sure whether the vehicle has been involved with the theft or some other offence, the inspector will scan the bar code of the vehicle and gets the history of the vehicle. In case of some violations, the Inspector issues a ticket and the Gadget synchronizes this information with the Central Database. This helps in keeping track of the records of the Motor Vehicle. This approach will help in case of Accidents, Thefts, etc.

The above two in the long run helps in the maintenance of LAW & ORDER.

❑ **Ration Cards**

The solution that ADSOL offers for Ration Cards is the Bar Code enabled ID card similar to the one stated in Utility Payments. A Cheaper version can be made with the usage of paper laminated ID cards. The User Database resides on the Central Server and the info can be communicated back and forth. The Common Man or the End User just carries this card to the Ration Distribution office where the official scans the Bar Code Id and selects the commodities the user wants and fires a small printout as a receipt for the same. The Data is then synchronized with the central database Server.

❑ **Social Security Number**

ADSOL proposes a bar code enabled Social Security ID card for the identification of a citizen in the State for the various requirements that will help keep track of the citizens and that would be the interface with the various departments. This can be used in the admission to the college, during the issuance of a Driver's license, Track Record, getting into a Job, Income tracking. This has been implemented in the state of the Connecticut.



Social Services ID Card from the State of Connecticut

Commercial

- ❑ Taxation & Return Filing, Income Tax, Corporate Tax, Custom Duty, Central / State Excise Duty, Sales Tax, House Tax, Property Tax, Octroi, Road Tax, Company Returns

It is proposed a bar code enabled ID card for the identification of an entity (Person, Company, House) from the Income Tax Department. This will help the filing of the returns faster and efficient and elimination of any malpractices.



EDUCATION

Department of Information Technology and the Rural Development & Panchayat Raj Department of Karnataka Government have conceived on an IT training scheme called Yuva.com. This scheme is for the rural youth. Under this scheme, training centers are being established in each of the 225 assembly constituencies over the next three months. These centers will train about one lakh educated unemployed youth in IT related services.

It is proposed the setting up of such kind of centers with i^eLearn Solutions e-Learning platform, running at each of the centers which will eliminate the necessity of the Teacher, needed in order to train the students or the learners. The solution innovatively gets the best of the Professors teaching the subjects right to the Learner irrespective of the number of the Learner. The Interactive Tests and Collaborative tools make sure the Learners learn in a very cost-effective and very efficient WAY.

BACKEND – NAVISION ERP

While the client interfaces are aptly built as explained above, the backend operations for e-governance could be successfully and easily handled by Navision ERP Products added with the implementation expertise of eSols worldwide Ltd.

Navision has over 130,000 installations, in 75 countries worldwide, in almost all kinds of industries, service or tangible product manufacturing companies, in 27 country-specific versions.

While the client interfaces capture the factual data, all of it can be ported on to Navision ERP which integrates the entire governance, allowing seamless flow of information, in all possible permutations and combinations of dissemination of information which includes capturing of all the functions in a governance. This in toto, enables the governance to become more efficient in planning, execution and response to the needs of the public with optimum utilization of available resources.

More information is available at www.esolsworldwide.com

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