

## Virtual e-Gov - An Enterprise e-Governance Solution

www.aimjoro.com

### SALIENT FEATURES

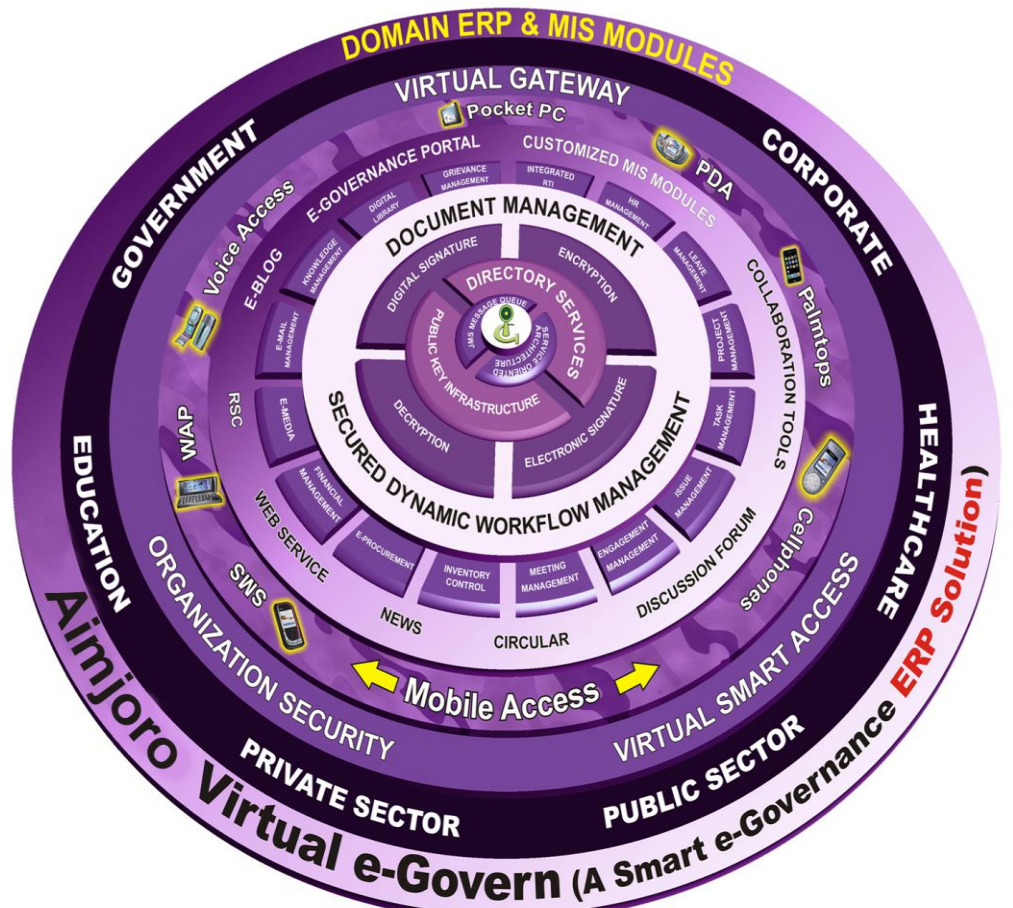
- Smart e-Governance
- Crossing inter-departmental barrier
- Open Standard, Scalable, Flexible e-Governance Framework
- Improves the Operational efficiency
- Collaborative Knowledge Sharing
- Develop, attract, retain a capable, motivated and diverse workforce
- Bringing transparency, accountability and participatory governance
- Adopting administrative reforms
- Universal connectivity and dynamic access to information resources
- Guaranteeing a necessary level of security authenticity, and privacy in transaction
- ALL-IN-ONE solution for any business regardless of size, type, location, requirement and expectation
- Ideal for integrating G2C, G2B, G2E, B2B, B2C solutions.

## Towards Smart Governance

### Smart Networked Organisations - Participatory Governance through e-Governance GRID

E-governance is a multifaceted domain that refers to the use of ICTs for improving collective governance. It facilitates access to information and improving the means for expression, discourse, mobilization and advocacy. Enhancing the democratic quality of the administrative process and public administrations through more transparency, accountability, participation and disinter-mediation. Making the internal working of public administrations more effective and efficient; and Enhancing the range and utility of public services on offer and making their delivery to citizens and business more accessible, efficient and responsive to the needs of all groups of clients.

Virtual e-Gov focuses on G2G and provides an interfaces to G2C and G2B solutions.



## Virtual e-Gov: Salient Features

Virtual e-Gov is designed to cover the intra-Government and inter-Government requirements.

It is built on open standards such as J2EE, Web services, JMS using MVC architecture.

It is platform independent, scalable and interoperable with dissimilar systems through JMS, Web services and LDAP.

It has a security wrapper built-in using AES Standards and RSA PKI mechanism.

It can be plugged in to any CA based PKI infrastructure for authentic access.

Nowadays government departments undergoes enormous changes in its process, structures, skill and work culture. Managing change refers to getting the users to accept the new organizational process and the technology that enables it. Information and communication technology is already making the sweeping changes at the government work places. Security and accountability in government sectors have improved due to IT initiatives. Enhancement in efficiency and effectiveness of intra and inter – governments information sharing and daily transactions intranet, internet and extranet are the evidences of e-governance initiatives.

**Virtual e-Gov Suite of products:-** It cover the entire spectrum of essential and common activities of any organization such as Government, Corporate, educational institutions, industry, judicial institutions, healthcare institutions and also it provides interconnectivity across the organisations which will ensure the smooth flow of information thus ensures interoperability.

Virtual e-Gov is designed to address the intra-Government and inter-Government that is G2G transactions in a flexible and interoperable framework. It is built on open standards such as J2EE, Web services, JMS using MVC architecture. It is platform independent, scalable and interoperable with dissimilar systems through JMS, Web services and LDAP. It has a security wrapper built-in using AES Standards and RSA PKI mechanism. It can be plugged in to any CA based PKI infrastructure for authentic access.

The Virtual e-Gov is built on top of dynamic workflow management framework coupled with messaging and collaborative infrastructure. Over this framework the other essential modules are built which will work in tandem with the workflow system. The other modules are [Human Resource Management](#), [Project Management](#), [Document Management](#), [Issue management](#), [Task management](#), [Meeting management](#), [Budget Control and management](#), [Purchase Management](#), [Learning and Training management](#), [Organizational security with access control](#), [Email interface](#), [Common Interest groups](#). [Dynamic Workflow automation is enabled with embedded security through RSA Digital signature using a PKI, AES encryption and decryption. Powerful search engine has been built which will provide a full text search capability on all the documents repository based on Access Control List of the users.](#)

www.aimjoro.com

## Virtual e-Gov Suite

### Provides:

Secure and interoperable E-Governance framework.

G2G - Government to Government connectivity.

Integrated e-Learning and e-Training with collaboration for continuing education of employees.

G2C interface - Open API

G2B interface - Open API

Helps to Build e-Governance GRID Horizontally and Vertically across the organizational units.

Management Information Systems solutions can be built on top of this e-Governance backbone through its flexible Open APIs.



Virtual e-Gov

Knowledge management sits on top of all these modules as a data mining search engine and culls out the information, collates the information and paves the way for generation, retention and reuse.

Virtual e-Gov products exhibit its services by means of web services, which provides an interoperable access with dissimilar systems and mobile access to virtual knowledge. It is integrated into open LDAP based directory services for its access, authentication mechanisms.

**G2G:** Within the organisation, that is intra-organisation these modules are interacting with each other through the dynamic workflow management system. For inter-organisation connectivity it provides a JMS based message queue channel through point to point and publish subscriber mechanisms, so that the application (Virtual e-Gov) to application (Virtual e-Gov) connectivity is established and the message or file or documents or information in any form moves across the organisation. It exhibits its services and the data through the implementation of web services for the other organizational units to consume the information in an interoperable manner. It also interact with dissimilar applications developed in any other platform, if it conforms to the JMS and web services standards. Thus creating an e-Governance GRID to ensure seamless communication among the various units of an organisation crossing the distance barriers through broadband, VSAT, ISDN and wireless communication.

**G2C and G2B:** It also provides an interface to the G2C and G2B connectivity, where by the required modules can be developed and integrated using the Virtual e-Gov APIs. It has a built-in interface for the citizens to put up their grievances to the Virtual e-Gov - G2G system with request and response mechanism enabled through the workflow management system. It takes the citizens grievances across the organs of the intra and inter departments in a seamless manner and ensures the speedy redressal of the grievances. It also has a built in module through the Purchase and tendering management module which enables G2B business transactions. Virtual e-Gov enables any existing G2C and G2B systems integration in a seamless manner through its open APIs and automate the services for the citizens and business etc.,

**Payment Gateway:** Its flexible APIs helps to integrate any e-commerce system, payment gateway systems for the electronic money transactions in to the Virtual e-Gov modules.



**Head Office :**  
 No 79, 2nd Floor,  
 Tower Line Cross Street  
 Indhrani Nagar, Mudakku Salai  
 Madurai – 625016,  
 Tamilnadu, India  
 Tel : 0452 4522307  
 Email: info@aimjoro.com  
 www.aimjoro.com



**Project Support :-**  
 #146, Himvarsha Apartment,  
 IP - Ext - Patparganj,  
 New Delhi - 110091, India.  
 Phone: +91-9566694958  
 e-mail: contact@igrandee.com



**e-Governance GRID:** Virtual e-Gov framework enables the various organs of the government and other institutions to establish horizontal GRIDs and Vertical GRIDs to establish an interoperable e-Governance transactions in an intra and inter organizational setup. Virtual e-Gov helps to protect the investment, interoperable with the existing system, and helps to build e-Governance GRID by establishing distributed data centres connected with the central data centre in a Governmental or organizational setup using the broadband based VPN connectivity.

It acts a backbone for the entire e-Governance infrastructure and enables the government to government, organisation to organisation, industry to industry, institution to institution to talk to each other in a e-governance way thus enrich the ability of any organisation to raise up to the occasion to meet the global challenges in a WTO environment.

