## E-GOVERNANCE, ROLE AND IMPORTANCE OF ICT

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#### **E-GOVERNANCE**

 eGovernance is presented as a natural evolution from Good Governance and as contextually inclusive of Electronic Democracy (eDemocracy), Electronic Government (eGovernment) and Electronic Business (eBusiness).

### GOOD GOVERNANCE

- The Commonwealth Perspective:
  - The *rule of law* and
  - The independence of the judiciary,
  - Just and honest government,
  - Fundamental human rights, including equal rights and opportunities for all citizens, regardless of race, color, creed or political belief.

#### GOOD GOVERNANCE CONT..

- Inherent in the generic definition of Good Governance given above are three aspects that are fundamental to the following relationships,
  - Between Government and the citizen (a *democracy aspect*).
  - Government and the public at large( a service aspect )
  - Government and business, namely ( a business aspect)

# GOOD GOVERNANCE: DEFINED AS

 Political, social and economic priorities can be based on a broad consensus in society, and that the voices of the poorest and most vulnerable are heard in the decision-making processes regarding, among others, the allocation of resources or the way in which the citizens are governed.

 In addition, Good Governance has major implications for equity, poverty and quality of life.

#### GOOD GOVERNANCE: NEW ROLE FOR THE ICTS

 The emergence of the (ICTs) has all the attributes of imparting <u>added value</u> to the structures and processes that give identity, form and relationships that characterize Good Governance.

 In this context, it has become imperative to perceive the role of the new ICTs in development in a new, pragmatic perspective, namely, as an *enabler of people-centered development across the 'development triad' comprising Government, Civil Society and Private Sector (or Business).*

#### ICT AS AN ENABLER :

- In the internal processes of government and in the government delivery of services to the public
- In the processes of government-citizen interaction, consultation and decision-making on how citizens are governed and
- In the process of government transaction with its "supply chain" and the market, and collaboration with its partners and other governments.

#### E-GOVERNANCE

- E-governance may be defined as incorporating all those processes and structures by means which the new ICTs can be deployed by Government to enable the following:
  - Internal administration of the processes of government (*eAdministration*) and
  - the delivery of services to the public (*eServices*).
  - This generically constitutes Electronic Government (abbreviated eGovernment);

 Informing, vote-enabling, representation-enabling, consulting and involving the citizenry in, among others, broad consensus making in society in matters relevant to decision making in political, social and economic priorities of government.

This constitutes Electronic Democracy (abbreviated eDemocracy);

- Transacting business with its "supply chain", namely, partners, clients and the markets.
- This constitutes Government Electronic Business (abbreviated simply eBusiness).

- The route to *eGovernance* is only now emerging, as governments and citizens around the world experiment with, and learn to exploit, new media and the new information technologies.
- Electronic Governance inherently involves new styles of leadership, new ways of debating and deciding strategies, new ways of accessing services, new ways of transacting business, new ways of accessing education, new ways of listening to citizens and communities of practice and new ways of organizing and delivering information

- As a concept, *eGovernance* can be supposed to be contextually inclusive of:
  - Electronic Democracy (*eDemocracy*),
  - Electronic Government (eGovernment) and
  - Electronic Business (eBusiness).

- Electronic Governance is easily the new paradigm in public sector reform.
- It offers opportunity for governments to re-invent themselves, get closer to the citizenry and the public at large, as well as to build closer alliances and partnerships with partners, clients and the markets.

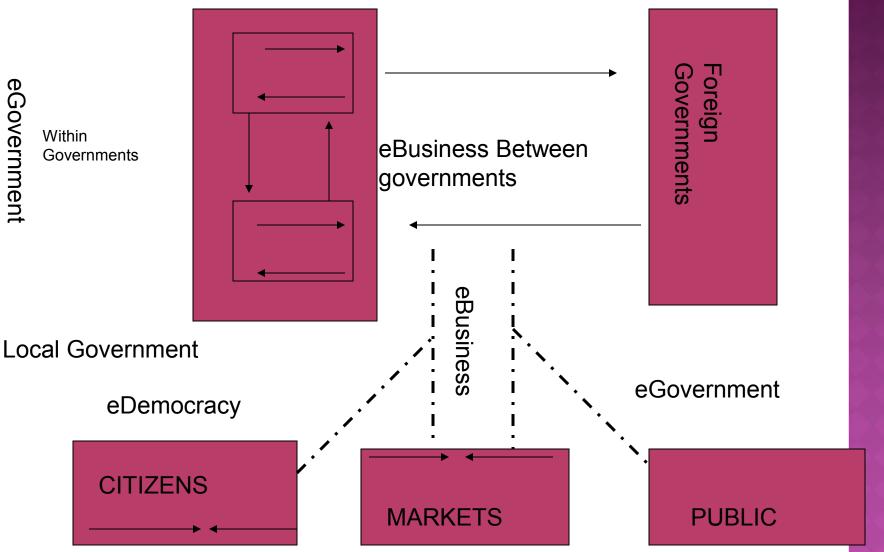
 As an initiative at a national, governmental, or community level, eGovernance can be perceived within the context of a country's national information infrastructure (NII)which, in turn, can be perceived to be part of the emerging Global Information Infrastructure (GII).

- At the core of the Global Information Infrastructure lies the essence of the concept of flexible regulation, which holds the premise that at each level or phase of the communication process, the aim of regulation, in its broadest sense, should be bring about a set of goals or basic democratic values for society, including:
  - Liberty,
  - Equity,
  - Community,
  - Efficiency,
  - Participatory Access and
  - Universal Access.

#### **Electronic Governance : The New Paradigm**

#### Central Government

eGovernment



#### **E-DEMOCRACY**

- Broadly, Electronic Democracy (eDemocracy) refers to the processes and structures that encompass all forms of electronic communication between Government and the Citizen. (Hello Srakar-by BRB and others)
- In a narrower perspective, eDemocracy refers principally to the processes and structures that encompass all forms of electronic communication between the Electorate and the Elected. (FB any social medias)
- Citizens the world over demand that governments be more open in their interaction with the civil society. (Tough Talk by DBP or Bhusan Dahal)

### E-DEMOCRACY CONT..

- Access to information and knowledge about the political process, about services and about choices available, is a characteristic requirement in all good governance systems. (Gov. websites)
- A more informed citizenry is in a better position to exercise its rights, play its roles, carry out its responsibilities and define its relationships to others; and citizens as consumers expect to be involved in the process of securing services to suit their needs, and to receive a higher standard of 'customer care' from government.

#### **E-DEMOCRACY CONT..**

 Access to information is both a outcome, and a driver of the digital revolution.
 Governments can respond to the need to be a more open government by adopting a number of principles of information management.

#### INFORMATION MANAGEMENT PRINCIPLES

 Access Making information widely available to citizens, consumers of services, voluntary and private-sector organizations, staff and elected members and to diverse communities of interest, practice, expertise, conviction and interdependence.

 Process Providing information about how to gain access to Government Information Systems (GIS), and participatory access to the political process of good governance.

#### INFORMATION MANAGEMENT PRINCIPLES:

- Awareness Providing information about the political process, about services and about choices available, the time horizons for the decision-making process and about the exponents of the decision-making process.
- Communication Developing means for exchanging learning experiences, views, information and knowledge of mutual interest.
- Involvement Facilitating opportunities for involvement in the Rational development of information and knowledge for good governance

#### PASSIVE INFORMATION ACCESS TO ACTIVE CITIZEN PARTICIPATION

- Informing the Citizen, aiming to provide the citizen, electronically, with access to information, thus helping to effect the following:
  - participatory access of the citizenry to Government information
  - equality of access of the citizenry to Government information, and
  - universality of access to public information.

# PASSIVE INFORMATION ACCESS TO ACTIVE CITIZEN PARTICIPATION CONT..

- Representing the citizen, aiming to realize, electronically, the following, among others:
  - enhancing the representative role of the elected politicians.
  - improving accessibility of the citizenry to their elected members, and
  - developing the capacity of elected representatives to engage in *eDemocracy*.

# PASSIVE INFORMATION ACCESS TO ACTIVE CITIZEN PARTICIPATION CONT..

- Encouraging the citizen to vote, aiming, among others, to involve citizens electronically in the following activities:
  - The voting process (*e*Voting)
  - Stimulating debate and exchanging views and information on matters pertaining to voting (eVoices)
  - Sharing experiences on the pros and cons of election monitoring for good governance, with the aim to encouraging the citizen to vote.

# PASSIVE INFORMATION ACCESS TO ACTIVE CITIZEN PARTICIPATION CONT..

- Consulting the citizen, aiming to carry out electronically-enabled tasks involving, among others, the following:
  - Government-initiated consultation process involving two-way communication and interaction with the citizenry
  - Consultation between the Elected and the Electorate aiming to increase citizen participation in decision-making.

PASSIVE INFORMATION ACCESS TO ACTIVE CITIZEN PARTICIPATION CONT..

- Involving the citizen, aiming to realize electronically, relative to specific issues to shape policy, the following:
  - A vision for Government-Citizen partnership and/or Elected-Electorate alliance for conjoint ownership of the decision making process
  - Engaging communities of practice, expertise, interest, interdependence and conviction in matters of Good Governance

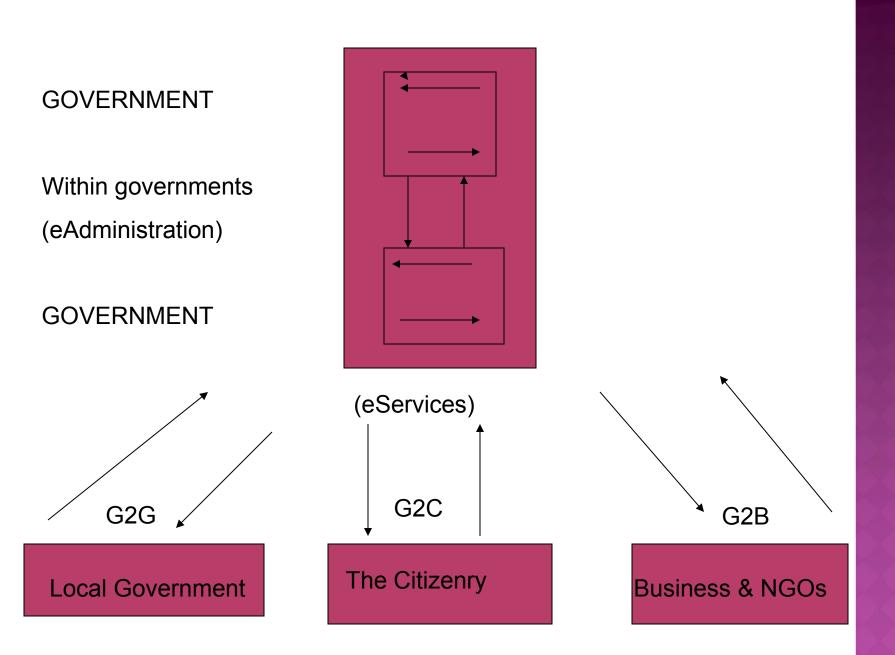
#### PASSIVE INFORMATION ACCESS TO ACTIVE CITIZEN PARTICIPATION

• Cont....

- Developing individual and group skills and competencies for active participation in matters of *Good Governance*
- Creating the conditions for information and knowledge relevant to civil society, voluntary organizations and businesses to be generated and communicated more expeditiously and freely.

## E-GOVERNMENT

- Electronic Government (eGovernment) refers to all those processes and structures by means which the new information and communication technologies (ICTs) can be deployed by government to enable two important functions, namely,
  - (i) internal administration of government (*eAdministration*); and
  - (ii) delivery of services to the public (*eServices*)



A Broad Schematic for eGovernment

### E-GOVERNMENT CONT...

- eGovernment must acknowledge that Government is functionally differentiated between:
  - Administration and Civil Service,
  - Parliament, Judiciary and
  - the Political and Executive functions; and Government, "has levels" (that is, a Central, Federal, Provincial, State, County or Local Government functionality).



- The benefits of eGovernment will continue to depend on the realization of technical advances in Electronic Business (eBusiness) in the broadest sense.
  - Electronic Business (eBusiness) refers to the broader concept of not just buying and selling but also servicing customers and collaborating with business partners, and conducting electronic transactions within an organizational entity through the deployment of the new information and communications technologies.

#### **E-BUSINESS** CONT..

- This perception of *eBusiness* contrasts sharply with the somewhat *definition is "eBusiness is all about time cycle, speed, globalization, enhanced productivity, reaching new customers and sharing knowledge across institutions for competitive advantage."*
- Organizational entities will be taken to encompass central governments, local governments, public sector organizations, small and medium enterprises (SMEs), businesses and other commercial entities, and civil society organizations.

### E-BUSINESS CONT..

- It is important to note in particular that *e*Business (and hence *e*Commerce) is not a technology in itself, rather, *e*Business (*e*Commerce) is a consolidation of diverse resources, namely,
  - telecommunications networks,
  - computer software,
  - harmonization of business practices,
  - standardization of business data, all of which, put together, make electronic business and electronic commerce possible.

## **E-BUSINESS** CONT...

- Government eBusiness, or simply Electronic Business (eBusiness) will comprise the following categories :
  - Government to Government (G2G) exchange of information and commodities;
  - Government to Business/Private (G2B) exchange of information and commodities; and

#### **E-BUSINESS** CONT...

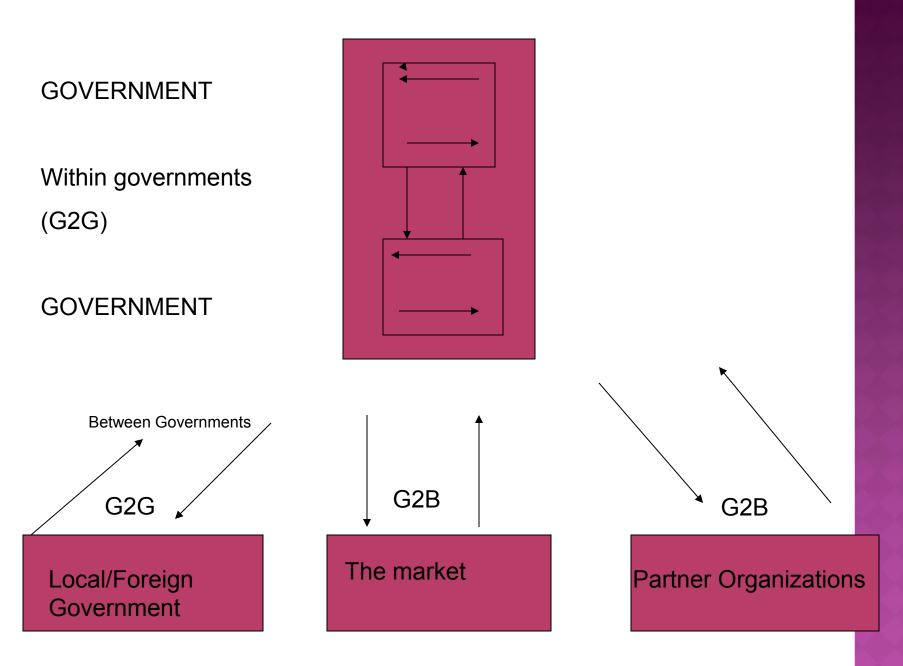
- Business/Private to Government (B2G) sale of goods and services. The topics of Government *e*Business as a concept will thus transcend purely governmental boundaries to include :
  - government-government alliances and partnerships,
  - government-private sector partnerships,
  - government-business transactions (banking transactions and taxation; etc);



o justice and legal affairs,

o intellectual property rights,

- consumer safety, and marketplace protection; and even
- national security and import and export controls



A Broad Schematic for Government eBusiness

## MAKING INGRESS TO E-GOVERNANCE

## A Taxonomy of Levels of Evolution of eGovernance

- Ingress to eGovernance is considered to be evolutionary.
- At the datum level is the Internalization level.
- The most important aspect of Internalization is, perhaps, when Government begins to deploy ICTs in the enablement of internal processes of administration of government, namely, eAdministration.

## MAKING INGRESS TO E-GOVERNANCE CONT..

- This is soon to be followed:
  - by **Informing**, when Government begins to deploy ICTs to inform the citizenry and the public at large.

• Then Interacting and Transacting,

• followed by Integrating and Transforming.

 The attributes of these levels in the taxonomy of evolution of eGovernance are listed under eGovernment, eDemocracy and eBusiness

# Making Ingress to eGovernance – A Taxonomy of levels of evolution of eGovernance

eGovernance	eGovernment	eDomocracry	eBusiness
Level o: Internalization	eAdministration		
Level 1: Information	Service Delivery Information	Informing Representing	Marketing
Level 2: Interaction	Service Delivery Interaction	Encouraging voting, voting	Interacting
Level 3: Transaction	Service delivery Transaction	Consultation, Doc Exchange	Business Transaction
Level 4: Integration	Integrated service delivery	Integrated empowerment	Integrated Biz Transaction
Level 5: Transformation	The rise of digital Government	Involving Consensus building/decision making	Transforming and reinventing government business

## THE FULLY INTEGRATED SERVICE DELIVERY CLUSTER

 One-stop Service Delivery, namely, comprising a seamlessness in which the information systems of all departments & agencies can be linked to deliver integrated services in such a way that avoids citizens having to understand the complicated internal organizational structures of Government;

### THE FULLY INTEGRATED SERVICE DELIVERY CLUSTER

 Non-stop Service Delivery, that is, aiming for a 24 x 7 service delivery efficiency; and

 Anytime Anywhere availability and accessibility of Government service through diverse delivery channels (counters, call centers, community access centers (CACs), kiosks, InteractiveDigitalTV, Web, etc)

## INFORMATION PROVISION SERVICE DELIVERY CLUSTER

- Announcements
- Coming Events
- Commodity Prices
- Legal Advice or Legal Aid
- School/College Institutions
- Public Transport Timetables

## INFORMATION PROVISION SERVICE DELIVERY CLUSTER

- Hospital Services
- Government Job Opportunities and Job Advertisements
- Self Help or Counseling
- Emergency Medical & Accident Advise

## INFORMATION PROVISION SERVICE DELIVERY CLUSTER

- Seek Opportunities (Business, Export, Training, Employment)
- Road Traffic Conditions
- Weather Bulletin
- Overseas/Foreign Travel Advice and Guidelines.

## INTERACTIONAL SERVICE DELIVERY CLUSTER

- Submission or Registration of the following:
  - Birth, Marriage, or Death;
  - Police or File Reports;
  - Voters Roll;
  - Tax Returns.
- Application for the following:
  - School, College, University or other

## INTERACTIONAL SERVICE DELIVERY CLUSTER

## • Government institution:

- Learners Driver License
- Passport and/or Visa
- Government Housing
- Social Welfare Grants
- Pension Benefits
- Government Subsidies.

## TRANSACTION SERVICE DELIVERY CLUSTER CONT...

- Payment of Utility Bills
- Payment of School or College Fees
- Payment of Government Housing Rent
- Payment of TV License
- Payment of Driver's License

## TRANSACTION SERVICE DELIVERY CLUSTER CONT...

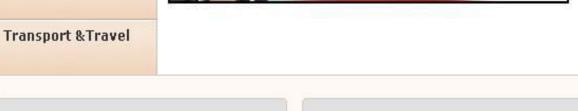
- Payment of Passports
- Payment of Traffic Offences
- Payment of Government Bonds
- Payment of Government Auction Items
- Payments of Community, Property or Poll Tax

## FULLY INTEGRATED SERVICE DELIVERY CLUSTER

 Combines Transactional, Interactional and Informational modes of service delivery cluster in a seamless manner. <u>The Singapore Citizen</u> <u>Portal is such an example in the real world.</u>

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#### Last updated on 30 December 2011

#### POPULAR E-SERVICES

General

- Access myTax Portal
- Check CPF account
- Report an incident
- Submit HDB resale application
- Plan your public transport route
- Give us your feedback on national issues and policies

- Change password

#### CITIZENCONNECT CENTRE

### Citizenconnect

If you do not have computer or Internet access and you need help with using government services, our officers at CitizenConnect centres can lend a hand!

Locate a CitizenConnect Centre





Inclusive Singapore



Video: Caring for Our Elderly



Podcast in Malay: SPS Dr Mohamad Maliki bin Osman gives his take on how Singaporeans can age gracefully and happily



Podcast in Malay: MOS Halimah Yacob talks about how we can help fellow Singaporeans to live long and live well



Podcast: MOS Halimah Yacob shares how we can nurture the Singapore Kampong Spirit



Podcast: MOS Amy Khor shares how she maintains a healthy lifestyle

#### Calendar Of Events

- → 18 May 12 Aug 2012 Art Garden 2012
- 27 Jul 17 Aug 2012
   Singapore Science Festival 2012
- 9 Aug 2012
   National Day Parade (NDP) 2012
- → 15 19 Oct 2012 TravelRave 2012

#### Spotlight

- → Information and Policies
- iPhone App
- Android Phone App
- Singapore news bulletins (Videos)
- National Campaigns
- Cartoons

Directory

Ministries

more Features



GST Voucher

Click **here** for more details!



#### Choosing a Primary school for your child

Find out more **here**. Watch video **here**.





National Climate Change Strategy 2012 (NCCS-2012) document

Find out more about Singapore's climate change action plan **here**.

#### Factually

We present the Facts **here**.







Yacob shares how we can nurture the Singapore Kampong Spirit



Podcast: MOS Amy Khor shares how she maintains a healthy lifestyle

#### **Public Consultation**

share your views

- Technology Risk Management Guidelines (13 Jun-16 Jul 2012)
- → Draft GST (Amendment) Bill 2012 (9-27 Jul 2012)
- Proposed amendments to Casino Control Act (9 Jul-6 Aug 2012)
- → Review on Risk-Based Capital Framework for Insurers in Singapore (22 Jun-25 Aug 2012)
- → LKY fund for bilingualism invites proposals (6 Jul-6 Sep 2012)

- National Campaigns
- → Cartoons

Directory

Ministries

Public Services

Statutory Boards

→ Get your latest income tax bill online

Check weather information

→ Find locations with OneMap

e-Services





> more

> more



#### More Buses, Better Rides

We present the Facts

Find out more about

Singapore's climate

change action plan

here.

here.

Factually

Find out how the Bus Services Enhancement Programme will improve your daily commute **here**.





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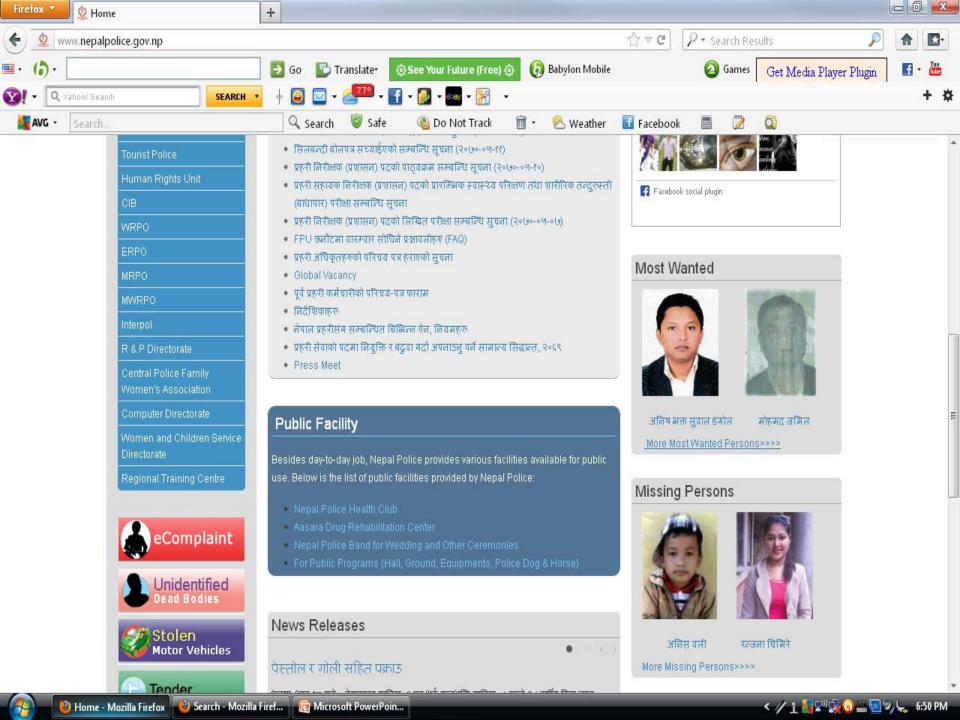


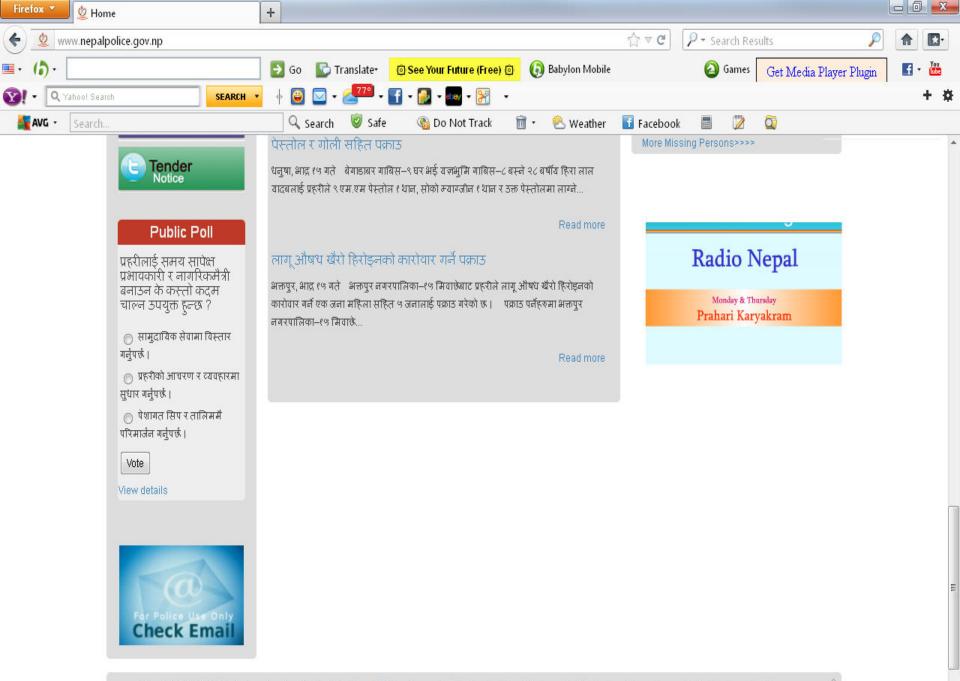




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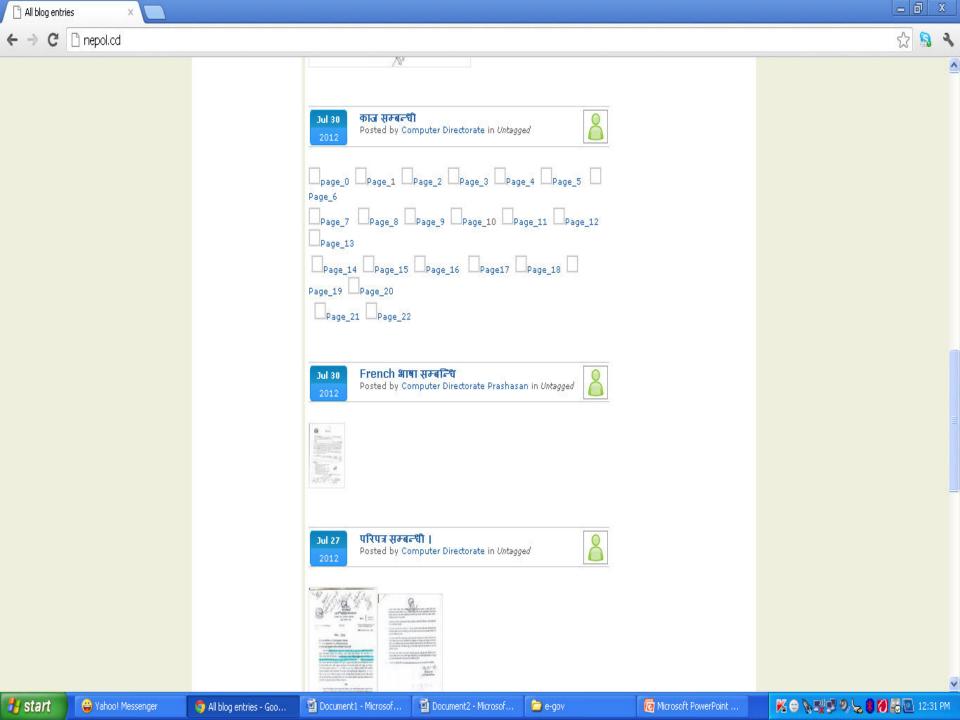


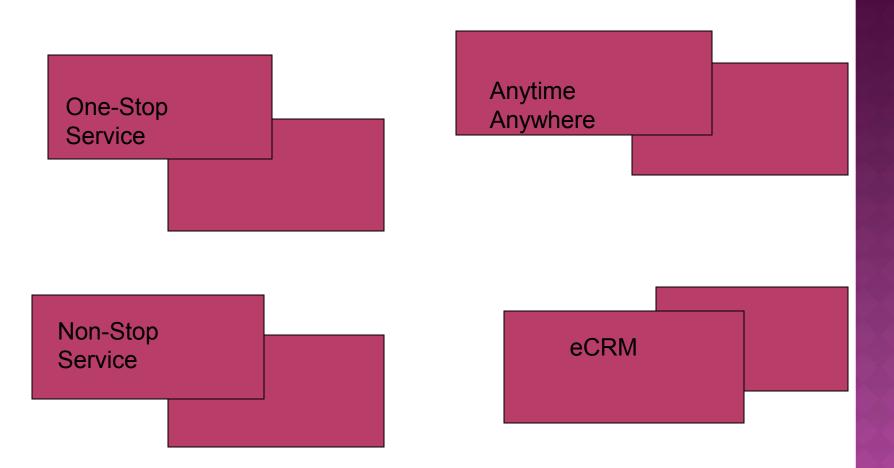


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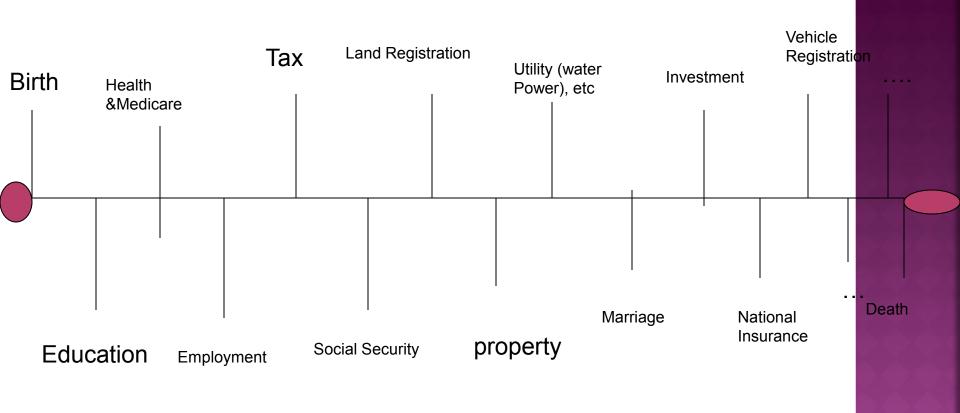
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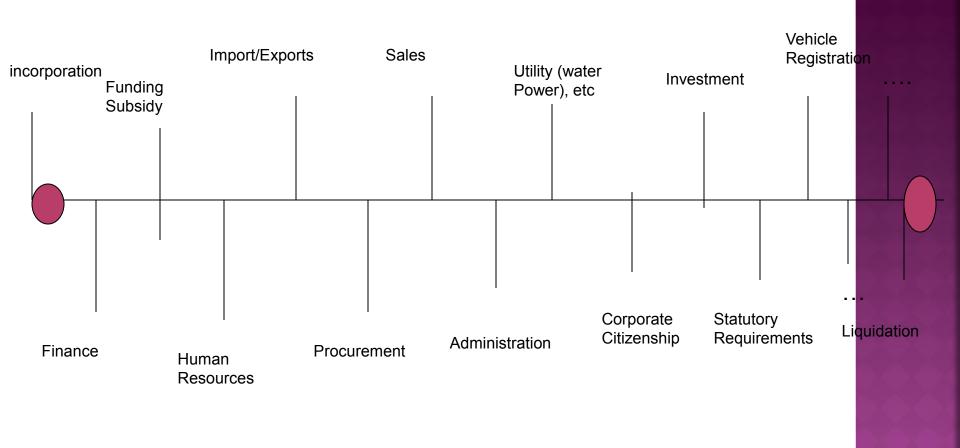




## The fully Integrated Government portal



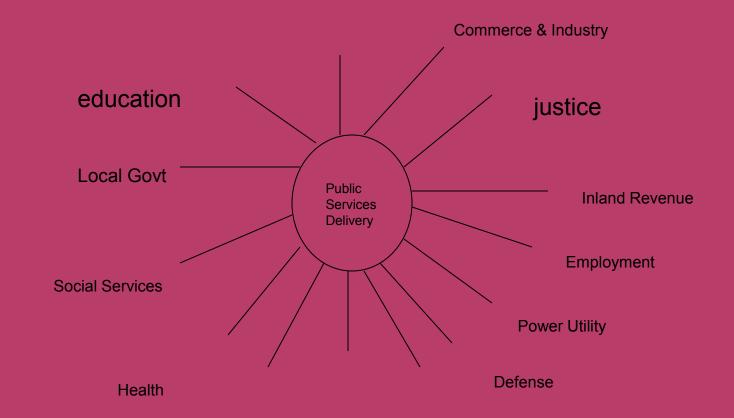
Examples of key life cycle Events with Implications for eGovernment in a Citizen's life



Examples of key life cycle Events with Implications for eGovernment in an organization

### Public Services Directory : Electronic Front End Government Portals

|Education | Commerce & Industry | Health |....| Social Services | Justice | Defense |



Government Departments: Public services Support: Traditional Back End

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#### **4 ELECTRONIC** DRIVING LICENCE

Govt revives smart card tech project

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## Ministry likely to set national I-card ball rolling this month

#### ANIL GIRI

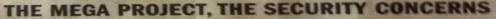
HE Ministry of Foreign Affairs (MoFA) has instructed line agencies to ensure confidentiality of the proposed data bank required to issue biometric National Identity Cards (NICs). The government is likely to announce a global bidding for the pilot project within this month.

According to officials, the digitalised biometric smart card will contain a micro chip containing an individual's personal information and fingerprints. The card will have multiple applications and can be read by highly secure readers. The smart card itself will have background security features as well as software security containing all kinds of personal information of all citizens.

The government has been negotiating with the World Bank for support after the first phase of the pilot project ends in 2014.

The Home Ministry is gearing up for the multi-million dollar international bidding for the project that will see distribution of the ID cards to citizens above 16 years of age. The estimated cost of the project's first phase is around US \$3.3 million and that amount will be enough to produce only 150,000 cards. Another US\$8 million will be required for the

A age





second phase, the officials said.

According to them, unlike Machine Readable Passports (MRP), the biometric cards are likely to be costlier as they will have more security options. The government spends US\$3.59 per copy of the MRP

"Fool-proof security will be ensured (through the ID cards)," an official told the Post. The government has paid US\$163,550 to an international consultant to prepare a detailed project report (DPR) for the ID cards. According to a draft legislation on the ID cards, those under 16 years of age will not

- Ministry instructs line agencies to ensure confidentiality of data bank of biometric National Identity Cards
- Says foreigners/foreign firms must be kept away from 'personalisation centre'
- Govt likely to announce global bickting for pilot project within this month
- Minors to have unique ID numbers
- Non-Nepalis working/living in country to have cards showing their status

be given the ID cards, but they will have unique ID numbers, based on which proper cards will be issued harer when they come of age. "Non-Nepalis working or living in Nepal will also get cards mentioning their status," said a Home Ministry official.

In its comment to the Ministry of Finance, MoFA has said it must be ensured that foreigners or foreign companies must be barred from the NIC "personalisation centre" before going for the global budding process.

I-CARD CONTD ON PG 4

## CONCLUSION

 A recent study of *eGovernment* initiatives worldwide, as perceived at their conception or initial formative stage in most of the countries shows, that :

- eGovernment is at an early stage of development in many countries.
- common approaches in the use of trusted services within the context of eGovernment are not yet visible in every country; and
- the market, through public private partnerships (PPP), need to develop solutions that could be adopted in future.

### 

## END OF THE SESSION!!! THANK YOU!!!!!!!!!