An Insight into ICT Applications

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Telecommunication Development Bureau (BDT)
International Telecommunication Union (ITU)
ITU in brief

- Leading United Nations Agency for ICTs.
- 191 Member States, 700 Sector Members
- Three sectors:
  - Radiocommunication
  - Standardization
  - Development
- ITU TELECOM Events
ITU’s Global Presence

5 regional offices, 8 area offices, HQ in Geneva, Switzerland
ITU Priorities for ICT Applications

- With the collaboration of Member States, ITU-D has identified e-government, e-environment and e-health as the three priority domains for the ICT applications area.
- The ICT Applications area aims to:
  - Develop practical tools to help Member States evaluate their needs and capacities for the implementation of ICT projects in government, health and the environment
  - Share best practices in the area of ICT applications
  - Raise awareness about the areas where ICT applications can support sustainable development
ITU e-Environment Activities

- **Focus**: Provide guidelines for developing countries on how to use ICTs for improving the management and protection of the environment, with particular focus on **climate change**

- ITU’s e-environment activities include:
  
  - **e-Environment toolkit**: Practical guidelines for assessing needs and establishing strategies for the implementation of national e-environment master plans. The toolkit will include an:

  - **e-Environment Readiness Index (EERI)**: Methodology and indicators for assessing a country’s level of e-environment readiness. The EERI is currently being developed.
ITU e-Health Activities

- UN agencies and health authorities share the challenge of implementing e-health systems and services.

**ITU Focus:** Assisting Member States in exploiting ICTs’ potential to:
- Meet national health care priorities and public health needs
- Expand the reach of their existing health resources to distant communities
- Diffuse vital health information among the population
- Collect health data and monitor diseases
ITU-D e-Government Project

- As a starting point, ITU-D conducted in 2008 a scoping study on e-Government, entitled “Electronic Government for Developing Countries” aimed at examining the adoption of e-Government services in countries with developing economies.

- In 2009, ITU-D is developing an e-Government framework, including an implementation toolkit, to facilitate the deployment process of these services in developing countries.

http://www.itu.int/ITU-D/cyb/app/
**ITU e-Government Implementation Toolkit**

- **Goal:** Provide tools and analytical support to assist decision makers in the development and implementation of national e-Government strategies and projects.

- Will examine opportunities and challenges faced by countries when implementing e-Government.

- **Key dimensions considered:**
  - Infrastructure
  - Policy
  - Governance
  - Outreach

- Will be developed in a series of modules addressing priority areas for action on e-Government, identified in the assessment phase.
Module 1 of the e-Government Toolkit is being finalized.

Module 1 provides a framework for:
- Assessing the status of e-government in a country based on the four key dimensions
- Comparing e-government readiness across economies
- Identifying priority areas for future action

It includes an interactive tool to illustrate e-readiness, using recognized and accessible e-government indicators.
Dimensions of e-government, toolkit modules

- **Four e-gov dimensions:**
  - Outreach
  - Governance
  - Policy
  - Infrastructure

- **Toolkit Modules:**
  1. Readiness, action priorities
  2. e-gov action 1
  3. e-gov action 2
  4. ...

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**Diagram:**

- Dimensions of e-Gov:
  - Outreach
  - Governance
  - Policy
  - Infrastructure

- Toolkit Modules:
  - Module 1: Readiness assessment and action priorities
    - Modules for e-gov actions
  - Modules for e-gov actions
  - Modules for e-gov actions
  - Modules for e-gov actions
Thanks!

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