Kathmandu University

Department of Computer Science and Engineering

(Undergraduate Program)

Course: E-Governance

Course Objectives:

- To introduce the concept of e-governance and its impact
- To familiarize technology and standards use in e-Governance
- To impart knowledge in management and implementation government projects.
- To gain professional abilities to create, implement and appropriate e-Governance project/programme through familiarizing real-life cases of e-Governance projects/programme in the developing countries
- To provide the knowledge of good governance using information and communication technologies and case studies of different countries.

Course Contents:

1. **What is E-governance?**

   E-Governance: Needs of E-Governance

   Issues in E-Governance: Applications and the Digital Divide

   Evolution of E-Governance, Its scope and content

   Present global trends of growth in E-Governance:

2. **E-Governance Models**

   2.1 Models of Digital Governance

   Broadcasting/ Wilder Dissemination Model

   Critical Flow Model

   Comparative Analysis Model

   Mobilization and Lobbying Model

Interactive-service Model/Government-to-Citizen- to- Government Model (G2C2G)

2.2 Evolution in E-Governance and Maturity Models

Five Maturity Levels

Characteristics of Maturity Levels

2.3 Towards Good Governance through E-Governance Models

3. E-Governance Infrastructure, stages in evolution and strategies for success

3.1 E-readiness

Data System Infrastructure

Legal Infrastructural Preparedness

Institutional Infrastructural Preparedness

Human Infrastructural Preparedness

Technological Infrastructural Preparedness

3.2 Evolutionary Stages in E-Governance

4.Open Government: Overview

What is open government?

What is transparency?

What is open data?

Data Warehousing and Data Mining in Government

Case Studies

References:

Strategic planning and implementation of E-governance.

E-Governance: Concepts and Case Studies, C.S.R. Prabhu.

E-Governance: A Comprehensive Framework, D.N. Gupta.

E-Governance, A global journey, Matthias Finger, Fouzia Nasreen Sultana.