

**E-Governance (CSC-307)**  
**Tribhuvan University**  
**Institute of Science and Technology**  
**Soch College of Information Technology**

**Course Title:** E-Governance

**Course no:** CSC-307 ----- **Full Marks:** 60+20+20

**Credit hours:** 3 ----- **Pass Marks:** 24+8+8

**Nature of course:** Theory (3 Hrs.) + Lab (3 Hrs.)

**Course Synopsis:** This course contains concepts of E-Governance policies and data warehousing/data mining.

**Goal:** To provide the knowledge of good governance using information and communication technologies and case studies of different countries.

**Course Contents:**

**Unit 1. Introduction** ----- 4 Hrs.

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: Other issues.

**Unit 2. Models of E-Governance** -----10 Hrs.

Introduction; Model 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); Evolution in E-Governance and Maturity Models: Five Maturity Levels, Characteristics of Maturity Levels, Key areas, Towards Good Governance through E-Governance Models.

**Unit 3. E-Governance Infrastructure and Strategies** -----6 Hrs.

E-readiness: Digital System Infrastructure, Legal Infrastructural Preparedness, Institutional Infrastructural Preparedness, Human Infrastructural Preparedness, Technological Infrastructural Preparedness; Evolutionary Stages in E-Governance.

**Unit 4. Data Warehousing and Data Mining in Government** ----- 5 Hrs.

Introduction; National Data Warehouses: Census Data, Prices of Essential Commodities; Other areas for Data Warehousing and Data Mining: Agriculture, Rural Development, Health, Planning, Education, Commerce and Trade, Other Sectors.

**Unit 5. Case Studies** ----- 20 Hrs.

Nepalese Context: Cyber Laws, Implementation in the Land Reform, Human Resource Management Software; India: NICNET, Collectorate, Computer-aided Administration of Registration Department (CARD), Smart Nagarpalika, National Reservoir Level and Capacity

Monitoring System, Computerization in Andhra Pradesh, Ekal Seva Kendra, Sachivalaya Vahini, Bhoomi, IT in Judiciary, E-Khazana, DGFT, PRAJA, E-Seva, E-Panchayat, General Information Services of National Informatics Centre; E-Governance initiative in USA; E-Governance in China; E-Governance in Brazil and Sri Lanka.

**Text books / Reference books:**

E-Governance: Concepts and Case Studies, C.S.R. Prabhu, Prentice-Hall of India Private Limited, 2004.

Backus, Michiel, e-Governance in Developing Countries, IICD Research Brief, No. 1, March 2001.