**Course: B.Sc. CSIT**  
**Subject Code: CSC - 307**  
**Credit Hour: 3 CH**  
**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.

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<td><strong>Introduction</strong></td>
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<td>1.1 E-Governance: Needs of E-Governance</td>
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<td>1.2 Issues in E-Governance applications and the Digital Divide</td>
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<td>1.3 Evolution of E-Governance, Its scope and content</td>
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<td>1.4 Present global trends of growth in E-Governance: Other issues</td>
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<td><strong>Models of E-Governance</strong></td>
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<td>2.1.5 Interactive-service Model/Government-to-Citizen-to- Government Model (G2C2G)</td>
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<td>2.2 Evolution in E-Governance and Maturity Models</td>
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<td><strong>Unit 3</strong></td>
<td><strong>E-Governance Infrastructure and Strategies</strong></td>
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<td>3.1.3 Institutional Infrastructural Preparedness</td>
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### Unit 4

#### 4.1 Introduction

- National Data Warehouses
  - Census Data
  - Prices of Essential Commodities

#### 4.2 National Data Warehouses

- Agriculture
- Rural Development
- Health
- Planning
- Education
- Commerce and Trade
- Other Sectors

#### 4.3 Other areas for Data Warehousing and Data Mining

- Agriculture
- Rural Development
- Health
- Planning
- Education
- Commerce and Trade
- Other Sectors

### Unit 5

#### 5.1 Nepalese Context

- Cyber Laws
- Implementation in the Land Reform
- Human Resource Management Software

#### 5.2 India

- NICNET
- Collectorate
- Computer-aided Administration of Registration Department (CARD)
- Smart Nagarpalika
- National Reservoir Level and Capacity Monitoring System
- Computerization in Andra Pradesh
- Ekal Seva Kendra
- Sachivalaya Vahini
- Bhoomi
- IT in Judiciary
- E-Khazana
- DGFT
- PRAJA
- E-Seva
- E-Panchyat

#### 5.3 General Information Services of National Informatics

#### 5.4 Centre E-Governance initiative in USA

#### 5.5 E-Governance in China

#### 5.6 E-Governance in Brazil and Sri Lanka.

### Text / Reference books:

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

### S. No. | Name | Institution | Signature
--- | --- | --- | ---
1. | Dr. Subarna Shakya (Subject Expert) | T.U. (CDCSIT) |  
2. | Er. Rajan Karmacharya (Member) | St. Xavier’s College |  

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Tribhuvan University  
Central Department Of Computer Science And Information Technology  
Model Question

Subject: E-Governance (CSC – 307)  
Year: III /Sem: I  
F.M: 60  
P.M.:24

**Group A**

**Long Answer Questions (Any 2)**  
10*2= 20

1. What is E-Governance? Discuss its needs with reference to the context of Nepal.

2. What are the various models of E-Governance prevailing in the developing countries? 
   Explain the G2C2G and Critical Flow model of E-Governance.

3. What is E-readiness? Explain the infrastructural prerequisites of E-readiness.

**Group B**

**Short Answer Questions (Any 8)**  
5*8=40

1. Explain the various issues in the application of E-Governance.
2. Explain the various maturity levels in E-Governance.
3. How can good governance be achieved through the E-Governance models? Explain
4. Discuss about the present global trends of growth in E-Governance.
5. Explain the various evolutionary stages in E-Governance.
6. How can data warehousing and data mining be used in E-Governance?
7. What is a cyber law? Discuss the major provisions of cyber law of Nepal.
8. Explain the comparative analysis model of E-Governance.
9. Discuss about the E-governance initiatives in Nepal and the challenges faced.
10. Write Short Notes: (Any Two)
    a. E-Governance and Digital Divide
    b. Characteristics of Maturity Model
    c. Reaching the Unreached Through E-Governance