

Tribhuvan University
Central Department of Computer Science & Information Technology
Subject: E Governance (Elective)

Course: B.Sc. CSIT
Subject Code: CSC - 307
Credit Hour: 3 CH
Nature of course: Theory (3 Hrs.) + Lab (3 Hrs.)

Full Marks: 60+20+20
Pass Marks: 24+8+8
Year: III Semester: I

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.

Unit	Course Description	Lecture Hour	Remarks
Unit 1	Introduction	4 Hrs	
	1.1 E-Governance: Needs of E-Governance	1	
	1.2 Issues in E-Governance applications and the Digital Divide	1	
	1.3 Evolution of E-Governance, Its scope and content	1	
	1.4 Present global trends of growth in E-Governance: Other issues	1	
Unit 2	Models of E-Governance	10 Hrs	
	2.1 Introduction to Model of Digital Governance		
	2.1.1 Broadcasting/ Wilder Dissemination Model	1	
	2.1.2 Critical Flow Model	1	
	2.1.3 Comparative Analysis Model	1	
	2.1.4 Mobilization and Lobbying Model	1	
	2.1.5 Interactive-service Model/Government-to-Citizen-to- Government Model (G2C2G)	1	
	2.2 Evolution in E-Governance and Maturity Models		
	2.2.1 Five Maturity Levels	1.5	
	2.2.2 Characteristics of Maturity Levels	1.5	
	2.2.3 Key areas	1	
	2.3 Towards Good Governance through E-Governance Models	1	
Unit 3	E-Governance Infrastructure and Strategies	6 Hrs	
	3.1 E-readiness		
	3.1.1 Data System Infrastructure	0.5	
	3.1.2 Legal Infrastructural Preparedness	0.5	
	3.1.3 Institutional Infrastructural Preparedness	0.5	
	3.1.4 Human Infrastructural Preparedness	0.5	
	3.1.5 Technological Infrastructural Preparedness	0.5	
	3.2 Evolutionary Stages in E-Governance	1.5	

Unit 4	Data Warehousing and Data Mining in Government	5 Hrs	
	4.1 Introduction 4.2 National Data Warehouses 4.1.1 Census Data 4.1.2 Prices of Essential Commodities 4.3 Other areas for Data Warehousing and Data Mining 4.3.1 Agriculture 4.3.2 Rural Development 4.3.3 Health 4.3.4 Planning 4.3.5 Education 4.3.6 Commerce and Trade 4.3.7 Other Sectors	0.5 1.5 3	
Unit 5	Case Studies	20 Hrs	
	5.1 Nepalese Context 5.1.1 Cyber Laws 5.1.2 Implementation in the Land Reform 5.1.3 Human Resource Management Software 5.2 India 5.2.1 NICNET 5.2.2 Collectorate 5.2.3 Computer-aided Administration of Registration Department (CARD) 5.2.4 Smart Nagarpalika 5.2.5 National Reservoir Level and Capacity Monitoring System 5.2.6 Computerization in Andhra Pradesh 5.2.7 Ekal Seva Kendra 5.2.8 Sachivalaya Vahini 5.2.9 Bhoomi 5.2.10 IT in Judiciary 5.2.11 E-Khazana 5.2.12 DGFT 5.2.13 PRAJA 5.2.14 E-Seva 5.2.15 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:

1. E-Governance: Concepts and Case Studies, C.S.R. Prabhu, Prentice-Hall of India Pvt. Ltd. 2004
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	

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