



C. U. SHAH UNIVERSITY, WADHWAN CITY.

Faculty of: **Computer Science**

Course: **Bachelor of Science (Information Technology)**

Semester: **I**

Subject Code: **4CS01TFT1**

Subject Name: **Fundamentals of Information Technology & Internet**

Sr. No	Branch Code	Subject Code	Subject Name	Teaching hours/Week			Credit hours	Credit Points	Evaluation Scheme/ Semester								Total
				Th	Tu	Pr			Theory				Practical				
									Internal Assessment		End Semester Exams		Internal Assessment		End Semester Exams		
									Marks	Duration	Marks	Duration	Marks	Duration	Marks	Duration	
5	2	4CS01TFT1	Fundamentals of Information Technology & Internet	4	--	4	8	6	15 SE 15 CE	1Hr.	70	2½ Hrs.	50 IP 50 CE	1 ½ Hrs.	---	--	200

AIM:

The basic objective of this course is to make the student aware that we are living in an information age. The course begins with the basics of Information and touches various aspects of Information Systems and information technology.

COURSE CONTENTS

Unit I Attributes of Information Technology

06 Hrs.

- Objectives, Data, Information, Knowledge and Wisdom
- Data Vs Information, Information Vs Knowledge
- Types of Information, Sources of Information
- Quality of Information, Value of Information
- Storage of Information, Types of Information Systems

Unit II ICT and Digital Divide

06 Hrs.

- Introduction, Objectives, Evolution of ICT
- Meaning of ICT, Benefits of ICT
- Concept of Digital Divide, Reasons for the Existence of the Divide,
- Dimensions of the Divide, Impact of Digital Divide

Unit III E-Commerce

04 Hrs.

- Introduction, Objectives, E-Commerce: Definition, Commerce and Internet
- Advantages and Limitations of E-Commerce, Constraints of E-Commerce
- E-Commerce Business Operations, Consumer Oriented E-Commerce Applications

Unit IV Management Information System

04 Hrs.

- Introduction, Objectives, MIS: A Three Letter Acronym, Functions of Management,

- Purpose of Information System, Types of Information System, Definitions of MIS,
- Why Management Information System? Different Components of MIS

Unit V Development of Information Systems

06 Hrs.

- Introduction, Objectives, Development Steps of a Typical Information System
- Tools for Development of Information Systems, Maintenance of Information Systems

Unit VI Cyber space and cybercrime

06 Hrs.

- Introduction, Objectives, Real Space Vs Cyberspace
- Digital Identity: An Overview, Verifying Vs. Revealing an Identity, Cyber and Computer Crimes
- Architecture of Cyberspace, Preventing Crimes

Unit VII Internet, HTML, Document structure, Different Tags of HTML

16 Hrs.

- HTML document tag
- Colors in HTML
- Heading tag, Comment tag
- Paragraph tag
- Formatting tags like <i>, <strike>, <big>, <small>, <center> etc.
- HTML image tag
- HTML List tag
- HTML Link and anchors tag
- HTML <table> Tags.
- HTML <frame> tags.
- HTML <form> tags.

REFERENCE BOOKS:

IGNOU Study Material of CIT-002: Introduction to Information Technology

Block-1: Elements of Information Technology

<http://www.egyankosh.ac.in/handle/123456789/884>

Block-2: IT in Action

<http://www.egyankosh.ac.in/handle/123456789/885>

Block-3: Information Systems

<http://www.egyankosh.ac.in/handle/123456789/893>

Block-4 State of the art practices in Information Technology

<http://www.egyankosh.ac.in/handle/123456789/896>

SWAYAM/NPTEL Link:

https://onlinecourses.swayam2.ac.in/nou21_cs03/preview

Practical: HTML tags, Creating and designing of a web page.