

DEPARTMENT OF COMPUTER SCIENCE				CLASS: II B.Sc. Computer Science				
Sem	Course Type	Course Code	Course Title	Credits	Contact Hours/week	CIA	Ext	Total
IV	NME-2	20U4DNM2	Introduction to Internet	2	2	25	75	100

Nature of Course			
Knowledge and skill	✓		Employability oriented
Skill oriented			Entrepreneurship oriented

COURSE OBJECTIVES :

➤ This course is designed to explore a complete knowledge about the Internet ,search engines and its components .

Units	Introduction to Internet	Total Hours: 30 hrs	K-Levels
Unit -I	Introduction : Internet- Growth of Internet and Arpanet - Owners of the Internet - Anatomy of Internet – History of WWW - Basic Internet Terminologies – Net etiquette - Internet Applications - Commerce on the Internet – Governance on the Internet - Impact of Internet on Society.	6 hrs	Up to K2
Unit-2	Browsers and Search engines: Browsers – browser- Introduction – Parts of a browser window Running a browser - working with a Browser. Search engines: What is search engine? - Types of search engines - Search and Meta search engines.	6 hrs	Up to K2
Unit-3	E-mail : E-mail - E-mail Networks and Servers - E-mail Protocols - Structure of E-mail - Attachments – E-mail Clients - E-mail Clients - web based E-mail-Address book – Signature File.	6 hrs	Up to K2
Unit-4	HTML Programming Basics : Introduction to HTML – HTML browsers - Different versions of HTML-HTML tags - Document overview - Header elements - Section headings	6hrs	Up to K2
Unit-5	HTML Programming Basics : Block headings - Lists-Inline elements – Images - working with Tables, Forms, Frames.	6 hrs	Up to K2

Books for Study:

Internet Technology and Web design, Ramesh Bangia, Firewall Media, (An imprint of Lakshmi Publications Pvt. Ltd.), Third Edition, 2011.

Unit 1: Chapter 1.2

Unit 2: Chapter 3 & Chapter 4

Unit 3: Chapter 5(5.6), Chapter 8(8.11 &8.13)

Unit 4: Chapter 5 (5.1) & Chapter 6

Unit 5: Chapter 9

Books for Reference :

1.The Internet Book, Douglas E. Comer, Fourth Edition, PHI Learning Pvt. Ltd. , New Delhi, 2009.

2.Using the Internet the Easy Way, Young Kai Seng, Minerva Publications, First Edition, 2000.

3.Fundamentals of Information Technology By Alexis Leon and Mathews Leon, Vikas Publishing House Pvt. Ltd., Revised Edition.

Web resources:

1. <https://www.just.edu.jo/~mqais/cis99/PDF/Internet.pdf>

2. <https://jdgsmahilacollege.files.wordpress.com/2014/01/ch3.pdf>

Rationale for Nature of the course:

Internet, the most useful technology of modern times which helps us not only in our daily lives but also in professional lives. For educational purposes, it is widely used to gather information and to do research or add to the knowledge of various subjects. Internet plays a very vital role in education. Through the Internet, people can share information and communicate from anywhere with an Internet connection. So, learning the basics of internet will be more helpful to the learners to know the facts and figures, information and knowledge for personal, social and economic development.

Activities having direct bearing on Skill development / Employability /Entrepreneurship

- Seminar
- Assignment preparation
- Scientific discussion
- Sharing the practical knowledge on theoretical concepts

Pedagogy:

The teaching methods includes Chalk and talk, PowerPoint, demonstrations, assignments and group discussions.

Lecture schedule:

Unit	Topics	Hours	Mode
Unit I	Internet- Growth of Internet and Arpanet - Owners of the Internet -Anatomy of Internet – History of WWW - Basic Internet Terminologies	2 hrs	Chalk and talk, Quiz and assignment
	Anatomy of Internet – History of WWW - Basic Internet Terminologies	2 hrs	
	Net etiquette - Internet Applications - Commerce on the Internet	1 hr.	
	Governance on the Internet - Impact of Internet on Society.	1 hr.	
Unit II	Browsers – browser- Introduction – Parts of a browser window - Running a browser	2 hrs	Chalk and talk, Group discussion
	working with a Browser. Search engines: Introduction	2 hrs	
	Types of search engines	1 hr	
	Search and Meta search engines.	1 hr	
Unit III	E-mail - E-mail Networks and Servers - E-mail Protocols -	2 hrs	Chalk and talk, Quiz and assignment
	Structure of E-mail - Attachments – E-mail Clients	2 hrs	
	E-mail Clients - web based E-mail	1 hr	
	Address book – Signature File.	1 hr	
Unit IV	Introduction to HTML – HTML browsers - - Document overview -	2 hrs	PPT, Chalk and talk, Quiz and assignment
	Different versions of HTML-HTML tags	2 hrs	
	Header elements - Section headings	2 hrs	
Unit V	Block headings - Lists-Inline elements	2 hrs	PPT, Chalk and talk, Quiz and assignment
	Images - working with Tables,	2 hrs	
	Forms, Frames	2 hrs	

Learning Outcome Based Education & Assessment (LOBE)

Blue Print – Introduction to Internet (CIA-I & II)

Articulation Mapping – K Levels with Courses Learning Outcomes (CLOs)

CLOs	K- Level	Section A		Section B		Section C	
		Short Answers		(Either/or Choice)		(Open Choice)	
		No. of Questions	K- Level	No. of Questions	K- Level	No. of Questions	K- Level
CLO x	Up to K2	1	K1	1	K2/K2	1	K1
CLO y	Up to K2	2	K1	1	K2/K2	2	K1
No. of Questions to be asked		3		2		3	
No. of Questions to be answered		3		2		2	
Marks for each question		2		7		10	
Total Marks for each section		6		14		20	

Distribution of Section-wise Marks with K Levels (CIA I & II)

K Levels	Section A (No Choice)	Section B (No Choice)	Section C (Either/or)	Section D (Open Choice)	Total Marks	% of Marks without choice	Consolidated %
K1	6	-	30	-	36	56.25	100
K2	-	28	-	-	28	43.75	
K3	-	-	-	-	-	-	-
K4	-	-	-	-	-	-	-
Total Marks	6	14	30	-	64	100.00	100%

Learning Outcome Based Education & Assessment (LOBE)

Blue Print – Introduction to Internet

Articulation Mapping – K Levels with Courses Learning Outcomes (CLOs)

Units	CLOs	K-Level	Section – A		Section – B		Section – C	
			Short Answers		(Either / or Choice)		(Open Choice)	
			No. of Questions	K-Level	No. of Questions	K-Level	No. of Questions	K-Level
1	CLO 1	Up to K2	1	K1	1	K2/K2	1	K1
2	CLO 2	Up to K2	1	K1	1	K2/K2	1	K1
3	CLO 3	Up to K2	1	K1	1	K2/K2	1	K1
4	CLO 4	Up to K2	1	K1	1	K2/K2	1	K1
5	CLO 5	Up to K2	1	K1	1	K2/K2	1	K1
No. of Questions to be asked			5		5		5	
No. of Questions to be answered			5		5		3	
Marks for each question			2		7		10	
Total Marks for each section			10		35		30	

Distribution of Section-Wise Marks with K Levels

K Levels	Section A (No Choice)	Section B (No Choice)	Section C (No Choice)	Section D (No Choice)	Total Marks	% of Marks (without choice)	Consolidated
K1	10	-	50	-	60	46.15	100
K2	-	70	-	-	70	53.85	
K3	-	-	-	-	-	-	-
K4	-	-	-	-	-	-	-
Total Marks	10	35	50	-	130	100.00	100

K1 –Remembering and recalling facts with specific answers

K2 – Basic understanding of facts and stating main ideas with general answers

COURSE OUTCOMES:

On the completion of the course the students will be able to

COs	COURSE OUTCOME	Knowledge Level (basis of Bloom's Taxonomy)
CO-1	Understand the theoretical workings of the simple method for linear programming	Up to K2
CO-2	Know the relationship between a linear program and its dual, including strong duality and complementary slackness	Up to K3
CO-3	Solve specialized linear programming problems like the transportation and assignment problems	Up to K4
CO-4	Solve network models like the shortest path, minimum spanning tree, and maximum flow problems	Up to K4
CO-5	Understand the applications of, basic methods for, and challenges in integer programming	Up to K3

MAPPING OF COs WITH PSOs:

Course Outcomes	PSO 1 (Knowledge Base)	PSO 2 (Problem Analysis & Investigation)	PSO 3 (Communication Skills & Design)	PSO 4 (Individual and Team Work)	PSO 5 (Professionalism Ethics and equity)	PSO 6 (Life Long Learning)
CO-1	3	1	1	2	1	1
CO-2	2	3	2	1	1	1
CO-3	2	3	1	1	1	2
CO-4	3	2	2	1	2	1
CO-5	2	2	2	3	2	1

3- Advanced Application 2- Intermediate 1- Introductory **Course Designer(s):**

1. Prof.R.Umasankari

2. Prof.J.Mayajothi