

5210-S WEB TECHNOLOGY									
Teaching Schedule Per Week			Progressive Assessment		Examination Schedule (Marks)				
Lectures	Practical	Credits			Theory		Practical Ex.	Total	
3	2	5	25	25	3 Hrs.	100	50	200	
Pre-requisite		Source	Semester	Theory	Test	Total	TW	PR	Gr Total →
Nil		COM		—	—	—	50	100	150

HUMAN RESOURCE & CURRICULUM DEVELOPMENT CELL, DIRECTORATE OF TECHNICAL EDN, GOA.

COURSE CONTENTS		Hrs	Mks
		10	18
1. TCP/IP, SLIP & PPP			
TCP/IP and the Internet, TCP/IP Protocol Architecture. Addressing, Routing & Multiplexing, The IP address, subnets, Routing table, Address resolution, protocols ports & sockets. TCP/IP gateways & hosts. Internet datagram, ICMP, Domain name system, Internet naming structure, Domain Server, TCP/IP commands, SLIP, PPP.		8	18
2. ELECTRONIC MAIL			
Mail transfer Protocol, POP shared file v/s Client server approach, Electronic mail overview, Internet E-mail Addresses, SMTP, X 400.		8	18
3. THE WORLD WIDE WEB			
WWW topologies, Web browsers, Web Browser design, client server architecture, internet resources, universal resource, resource locators (URLs) Universal resource identifier, intranet, HTTP.		8	18
4. HTML			
Link, Lists, Colours, Background images, Displaying images, Anchors, Tables, CGI Script, Forms, Multimedia.		8	18
5. JAVA SCRIPT			
Java script, Values, Variable and literal expressions and operators, Java Scripts Operators, Java script Statements, condition Statements, LOOP, Comment, Functions Objects and properties, Document objects, Event handling, Window Objects, Object Manipulation statement and operators.		6	10
6. E-COMMERCE			
Business on the Net, Transaction Methodologies, Digital Cash, Electronic Wallet, Net Security.		48	100
Total			

REFERENCE BOOKS:

1. Mastering the internet by William Buchanan
2. TCP/IP & related Protocols by U. Black.
3. Internet working with TCP/IP by Douglas E. Comer.
4. Internet Programming by Kris Jasma & Kenlope.

