UNIT 1 - Introduction to ERP: Evolution of ERP, Growth of ERP Market, advantages of ERP, ERP & Related technologies: BPR, MIS, DSS, EIS, Data Warehousing & Data Mining, OLAP, Supply Chain Management.

Marketing Information System & Sales Order Process: Sales Quotations & Orders, Order Filling, Accounting & Invoicing, Payment & Returns, Sales & Distribution in ERP. Pre-sales activities, sales order processing, Inventory Sourcing, Delivery, Billing, Payment, CRM (Customer Relationship Management).

UNIT 3 - Production & Materials Management Information System: Materials Requirement Planning (MRP), Manufacturing Resource Planning (MRP-II), Bill of Materials (BOM), JIT & Kanban, CAD/CAM, Product Data Management, Make-to-Order (MTO), Make-to-Stock (MTS), Assemble-to-Order (ATO), Engineer-to-Order (ETO), Configure-to-Order (CTO).
Accounting & Finance: Accounting & finance activities: creating financial statements, Operational Decision Making Problem: Credit Management, Product Profitability Analysis, ERP & Inventory Cost Accounting Activity, Activity based costing & ERP.

UNIT 4 - ERP Implementation Life Cycle: Pre-evaluation screening, Package evaluation, Project Planning phase, Gap Analysis, Reengineering, Configuration, Implementation team training, Testing, Going live, End user training, Post-implementation, Role of vendors & consultants.

UNIT 5 - Business Process Reengineering (BPR) & its Implementation: BPR, five step methodology to implement BPR, Development process vision & determining process objectives, defining the processes to be reengineered, understanding & measuring the existing processes, identifying the IT levels, designing the prototype & implementing it.

BOOKS:
2. Business Process Reengineering: Jayaraman Natarajan & Rangarajan
3. ERP Concepts & Practice: V.K Garg & Venkitakrishan
4. Enterprise Resource Planning: Alexis Leon
4b24COM - internet and its Application

Unit 1 Introduction of Networking

Unit 2 Introduction of Browser and WebPage
Browser, Features of browser, types of browser, use of browser.
About IE and its versions, Mozilla, AOL.
What is webpage and it uses, structure of webpage.

Unit 3 HTML
What is HTML and it use, HTML TAGS, URL, head, body, anchor link, tables, frameset, span, div, image, audio, buttons, submit, reset, cancel, lists, font.

Unit 4 HTML FORMS
What is Forms, Use of forms, method, action, POST, GET etc. Events mouse over, click, mouse down. Form: Designing, Introduction of DHTML.

Unit 5:
Good web design, the process of web publishing, document overview, header elements, website hosting, HTTP & URL, search engines, FTP, downloading ad uploading FTP, site promotions.

References:
1) Thomas A. Powell "The complete reference HTML", TMH.
3) Joel sklar "Principles of Web design", Vikash publication
4) K Kalatz "Internet programming Thomson learning".

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403 MECOM UNIX & Shell Scripting

UNIT 1: Overview UNIX & LINUX

Structure of UNIX: evolution of UNIX, Kernel and shell, features of UNIX, UNIX: Installation and booting.

UNIT 2: File System

Unix file system, types of Unix files, Login Directory, Inode-User Identification, file system hierarchy, working directories & pathnames, pwd. Basic command for file manipulation like: ls, cat, cp, rm, mv, ln, touch, cd, mkdir, rmdir, file access permission, types of permissions, determining & changing permission, Umask, chown, chgrp, newgroup, changing your password: passwd.

UNIT 3: Advanced features

Multi user communication & Scheduling: who, write, mesg, wall, mail, at, j, lpstat, pr, news, mofd, Multiple commands on command line, redirecting: standard output to a file, standard input from a file and both, pipes and filter: herald, tail, paste, sort, uniq, grep, egrep, fgrep, awk, nl, The Process: running a process in the background, process status, terminating a process, delay process. General purpose utilities: more, file, wc, od, cal, banner, cmp, tty, sty, date etc.

UNIT 4: Introduction To Shell Script:

Unix editors: vi, ex, Bourn Shell, C Shell, advance features of shell. Shell variable - system shell variables, local & global variables. Shell meta characters and environment, if and case statements, for, while and until loops, Shell Programming.

UNIT 5: Introduction to Linux: History and features of Linux, Linux structure, Various flavors of Linux, Installing Linux.

System Administration: Understanding System Administration, Managing user accounts, backing up data, system security.

Reference:

1. UNIX System – Rebecca Thomas (McGraw-Hill)
2. Advanced UNIX – Stephen Prata (BPB Publication)
3. UNIX System – Sumitabha Das

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