LESSON PLAN FOR SESSION 2024-25(Odd Sem)

Dr. Poonam Almadi
Assistant Professor, Computer Science Deptt.

For BBA 5th semester

SUBJECT: COMPUTER NETWORKING AND INTERNET
PAPER CODE: BBAN-504

July
Introduction to network, advantages and disadvantages of network, network topologies.

August
Analog and digital signal, Analog and digital transmission, Transmission media, Network categories, Wireless networks. Overview of internet, Internet Service Provider, Setting Windows Environment for dial up Networking, audio on internet, newsgroup, subscribing to news groups

September
Search engine, Searching web using search engine, OSI model and TCP/IP model, protocols and their classification, flow control and cryptography, ranking.

October
Intranet concepts and architecture, building corporate World Wide Web, HTTP protocol, Intranet infrastructure, fundamental of TCP/IP, intranet security design,Protocols of communication

November
Intranet as a business tools, future of intranet, Revision and Discussion of Previous years question papers.

Practical Lab

BBA 5th sem: HTML and Surfing with Internet

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For BBA-3rd semester
SUBJECT: INTRODUCTION TO INFORMATION TECHNOLOGY
PAPER CODE: BBAN-304

JULY
Documentation using MS WORD; Tool bars, Menus, Creating and Editing documents, Format, Header and Footer, Drop cap, Auto text,

AUGUST
Auto correct, Spelling and Grammar tools, Dictionary, Page Formatting, Mail merge, Macros, Tables, File management and printing in MS-Word. Presentations using MS-Powerpoint: Creating Manipulating and enhancing slides, excel charts, word art.

SEPTEMBER
Layering and objects, Animation and sounds, Inserting Pictures, Inserting Sound in presentation. Electronic spreadsheet:- creating and editing, formatting, moving and copying data, functions, types of graph, creating graph, formatting cells,

OCTOBER
Macros, Conditional formatting, Introduction to Tally, Features of Tally, Working in Tally.

NOVEMBER
Groups and Vouchers. Revision and Discussion of Previous years question papers.

Practical Lab
BBA 3th sem: MS-Office and Tally Accounting Package

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LESSON PLAN FOR SESSION 2024-25(Odd Sem)

Dr. Poonam Almadi
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For BCA-3rd semester
SUBJECT: DATA STRUCTURE-I
PAPER CODE: BCA 202

JULY

Introduction: Elementary data organization, Data Structure definition, Data type vs. data structure, Categories of data structures, Data structure operations, Applications of data structures.

AUGUST

Algorithms complexity and time-space tradeoff, Big-O notataion. Strings: Introduction, Storing strings, String operations, Pattern matching algorithms. Arrays: Introduction, Linear arrays, Representation of linear array in memory, address calculations, Traversal, Insertions, Deletion in an array, Multidimensional arrays, Parallel arrays, sparse arrays. Linked List: Introduction, Array vs. linked list, Representation of linked lists in memory.

SEPTEMBER

Traversal, Insertion, Deletion, Searching in a linked list, Header linked list, Circular linked list, Two-way linked list, Threaded lists, Garbage collection, Applications of linked lists. Stack: Introduction, Array and linked representation of stacks, Operations on stacks, Applications of stacks: Polish notation, Recursion.

OCTOBER

Queues: Introduction, Array and linked representation of queues, Operations on queues, Deques, Priority Queues, Applications of queues. Tree: Introduction, Definition, Representing Binary tree in memory, Traversing binary trees, Traversal algorithms using stacks.

NOVEMBER

Graph: Introduction, Graph theory terminology, Sequential and linked representation of graphs. Revision and Discussion of Previous years question papers.

Practical Lab: BCA-205

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LESSON PLAN FOR SESSION 2024-25(Odd Sem)

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For BCA-5th Semester
SUBJECT: VISUAL BASIC
PAPER CODE: BCA-304

JULY

Introduction to VB: Visual & non-visual programming, Procedural, Object-oriented and event driven programming languages, The VB environment: Menu bar, Toolbar, Project explorer, Toolbox, Properties window, Form designer, Form layout, immediate window.

AUGUST

Visual Development and Event Driven programming. Basics of Programming: Variables: Declaring variables, Types of variables, Converting variables types, User-defined data types, Forcing variable declaration, Scope & lifetime of variables. Constants: Named & intrinsic. Operators: Arithmetic, Relational & Logical operators. I/O in VB: Various controls for I/O in VB, Message box, Input Box, Print statement.

SEPTEMBER

Programming with VB: Decisions and conditions: If statement, If-then-else, Select-case. Looping statements: Do-loops, for-next, While-wend, Exit statement. Nested control structures. Arrays: Declaring and using arrays, one-dimensional and multi-dimensional arrays, Static & dynamic arrays, Arrays of array. Collections: Adding, Removing, Counting, Returning items in a collection, processing a collection.

OCTOBER

Programming with VB: Procedures: General & event procedures, Subroutines, Functions, Calling procedures, Arguments- passing mechanisms, Optional arguments, Named arguments, Functions returning custom data types, Functions returning arrays. Working with forms and menus: Adding multiple forms in VB, Hiding & showing forms, Load & unload statements.

NOVEMBER

Creating menu, submenu, popup menus, Activate & deactivate events, Form-load event, menu designing in VB Simple programs in VB. Revision and Discussion of Previous years question papers.

Practical Lab: BCA-305

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