St. Aloysius College (Autonomous), Jabalpur

Part A : Introduction

Program: Degree	Class: B.Com III year	Year : III	Session: 2023-2024
Subject :	Computer Application		
Course Code	S3-COAPT2T		
Course Title	Internet and its Applications(theory)		
Course Type	Elective		
Course Learning Outcome(CLO)	On successful completion of this course, the student will be able to - Understand the features and applications of internet - able to get the concepts of computer networks - able to develop a webpage using html - Able to design a webpage using CSS. - Able to develop static and dynamic websites		
Credit	04(Theroy)+2(Practical)		
Total Marks	Maximum Marks:- 70+30 Min Marks:-35		

Part B:- Content of the Course
Internet and its Applications(theory)
(Total no. of Lectures =60)

Units	Topic	No. of lectures
I	Basics of Computer networks: types of network , LAN topologies: ring, bus, star, mesh and tree topologies network models, client server network and Peer to peer network, OSI, TCP/IP, layers and functionalities, transmission media: introduction, guided media and unguided media twisted pair, coaxial cable, optical fiber, Network devices: NIC, repeaters, hub, bridge, switch, gateway and router.	12
II	Introduction to World Wide Web (WWW) , Search Engines, Basics of Electronic Mail, E-mail addressing, Introduction to HTML , Syntax ,Elements and attributes,HTML tags, Forms and Form elements , tables, images. hyperlinks,Introduction to Java Script, Pop-up boxes, Event, validation	12
III	Introduction to Cascading Style sheets: Syntax, Selector. Inserting CSS: External, Internal and Inline. CSS: Text, Fonts, Links, Lists, and Tables, **Introduction to PHP**: HTML and PHP. Variables, Constants, Operators. Control Structures: if, switch, for, while, do....while, for-each.	12
IV	Arrays,Functions: function call, passing arguments, pass by value, and pass by reference, returning values to functions. Forms, GET and POST data, Date and Time, File Upload,	12
V	Introduction to My-SQL , creating Database in My-SQL, My-SQL and PHP: Database connectivity, Adding, modifying and deleting records, Access Records From Database. Creating and managing sessions in PHP.	12

Part C:- Learning Resources

Suggested Readings

Computer Networks by Andrew Tanenbaum
HTML Black book
PHP for Web Designing

Part D:- Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks : 100

Continuous Comprehensive Evaluation (CCE) : 30 Marks University Exam (UE): 70 Marks

Internal Assessment : Continuous Comprehensive Evaluation (CCE)	Class Test Assignment/Presentation	30
External Assessment : University Exam Section Time : 03.00 Hours	Section(A) : Very Short Questions Section (B) : Short Questions Section (C) : Long Questions	70

BCom III year

List of Practical's

1. WAP in HTML to implement tables, hyperlinks and images
2. WAP in HTML to implement Forms and input tools
3. WAP in HTML to design webpage using CSS elements.
4. WAP in java script to find the factorial using loops.
5. WAP in java script to implement events and validations.
6. WAP in PHP to implement looping.
7. WAP in PHP to implement arrays.
8. WAP in PHP to implement functions
9. WAP in PHP to implement GET and POST method
10. Develop a dynamic website in PHP using PHP forms and validation .