K. M. GOVERNMENT COLLEGE NARWANA (JIND)

WEEK WISE LESSON PLAN 2023-24 (ODD SEMESTER)

SUBJECT: WEB DESIGNING CLASS: BCA-3RD SEM

ARVIND KUMAR (EXTENSION LECTURER IN COMPUTER SCIENCE)

	AUGUST
Week 1	Internet Basics: The Internet and its Advantages disadvantages
Week 2	Basic Internet Protocols, World Wide Web
Week 3	URL, Web Page, Web Browser
Week 4	Web Servers, Client-Server model, FTP
Week 5	Telnet, Search Engine.
	SEPTEMBER
Week 1	Mark Up Languages, Introduction to Hyper Text Markup Language (HTML),
Week 2	Elements, Lists, Tables, Linking documents, Frames, Forms
Week 3	Creating HTML pages, Dynamic Hypertext Mark Up language
Week 4	Cascading Style Sheets: Features, Core Syntax, Types,
	OCTOBER
Week 1	Style Sheets and HTML, StyleRules -Cascading and Inheritance, Text Properties, CSS
Week 2	Box Model, Normal Flow, Box Layout, Positioning and other useful-Style Properties.
Week 3	Creating HTML pages by Including CSS in web pages
Week 4	Client-Side Programming
Week 5	Introduction to JavaScript, Perspective
	NOVEMBER
Week 1	Basic Syntax, Class Test, Assignment
Week 2	Data Types, Variables Statements, Operators, Literals, Control statements,
Week 3	Functions, Arrays, Document, Object Model, Built-in Objects.
Week 4	Creating HTML pages by Including JavaScript in web pages
	DECEMBER
Week 1	XML: Relation between XML, HTML, SGML, Goals of XML, Structure and Syntax of XML, Class Test, Assignment
Week 2	Well Formed XML DTD and its Structure, Namespaces and Data
Week 3	Typing in XML, Transforming XML Documents. XPATH

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WEEK WISE LESSON PLAN 2023-24 (ODD SEMESTER)

SUBJECT: ANGULAR JS CLASS: BCA-5TH SEM

ARVIND KUMAR (EXTENSION LECTURER IN COMPUTER SCIENCE)

	AUGUST
Week 1	UNIT-I Need of Angular JS, MVC, Angular Expressions
Week 2	Built in Filters, Using Angular JS Filters
Week 3	Directives, Directive Lifecycle,
Week 4	Binding Controls to Data, Matching Directives,
Week 5	UNIT-II Role of Controller, Controllers
	SEPTEMBER
Week 1	Modules, Nested Controllers, Using Filters in Controllers
Week 2	Introduction to Angular JS Modules,
Week 3	Working with Angular forms, Model Binding Forms,
Week 4	Updating Models with a twist.
	OCTOBER
Week 1	**UNIT-III** Scope, Scope Lifecycle, Scope Inheritance,
Week 2	Scope and Controllers
Week 3	Root scope, Scope Broadcasting.
Week 4	Dependency Injection, Creating Services
Week 5	Factory , Assignment
	NOVEMBER
Week 1	Service Class Test, Provider.
Week 2	SPA, Pros and Cons of SPA,
Week 3	Passing Parameters
Week 4	Changing Location
	DECEMBER
Week 1	ngAnimate module, CSS Transforms.
Week 2	Revision of Syllabus, Assignment
Week 3	Revision of Syllabus Class Test

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WEEK WISE LESSON PLAN 2023-24 (ODD SEMESTER)

SUBJECT: WEB DESIGNING CLASS: BSc-5TH SEM

ARVIND KUMAR (EXTENSION LECTURER IN COMPUTER SCIENCE)

	AUGUST
Week 1	Introduction to Internet and World Wide Web;
Week 2	Evolution and History of World Wide Web; Basic Features;
Week 3	Web Browsers; Web Servers; Hypertext Transfer Protocol; URLs;
Week 4	Searching and Web-Casting Techniques, Search Engines and Search Tools
Week 5	Steps for Developing Website; Choosing the Contents; Home Page;
	SEPTEMBER
Week 1	Domain Names; Internet Service Provider; Planning and Designing Web Site;
Week 2	Creating a Website; Web Publishing: Hosting Site;
Week 3	Introduction to HTML; Hypertext and HTML;
Week 4	HTML Document Features; HTML Tags;
	OCTOBER
Week 1	Header, Title, Body, Paragraph,
Week 2	Ordered/Unordered List
Week 3	Creating Links; Class Test and Assignment
Week 4	Headers; Text Styles; Text Structuring;
Week 5	Text Colors and Background; Formatting Text
	NOVEMBER
Week 1	Page layouts; Insertion of Text, Movement of Text
Week 2	Images: Types of Images, Insertion of Image,
Week 3	Movement of Image, Inserting Graphics; Ordered and Unordered lists;
Week 4	Table Handling Functions like Columns, Rows;
	DECEMBER
Week 1	Table Handling Functions like Width, Colors;
Week 2	Frame Creation and Layouts; Class Test and Assignment
Week 3	Working with Forms and Menus; Working with Buttons like Radio, Check Box;

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WEEK WISE LESSON PLAN 2023-24 (ODD SEMESTER)

SUBJECT: SEC OFFICE AND SPREAD SHEET TOOLS CLASS: BA-IST SEM

ARVIND KUMAR (EXTENSION LECTURER IN COMPUTER SCIENCE)

	AUGUST
Week 1	UNIT-I Operating System - Definition, Functions, Types of Operating System,
Week 2	Basics of Popular Operating Systems, The User Interface, Exploring Computer,
Week 3	Icons, taskbar, desktop, Using Menu and Menu-selection, managing files and folders,
Week 4	Control panel, display properties, add/remove software and hardware,
Week 5	Common utilities. UNIT-II Word Processing - Introduction to Word Processing,
	SEPTEMBER
Week 1	Menus, Creating, Editing & Formatting Document
Week 2	Spell Checking, Printing, Views, Tables, Word Art, Mail Merge, Macros,
Week 3	Inserting hyperlinks, Searching for text,
Week 4	Modifying page setup, Applying document themes,
	OCTOBER
Week 1	Applying document style sets, Inserting headers and footers
Week 2	UNIT-III Spread Sheet: Elements of Electronics Spread Sheet, Applications
Week 3	Creating and Opening of Spread Sheet,
Week 4	Menus, Manipulation of cells
Week 5	Enter texts numbers and dates,
	NOVEMBER
Week 1	Cell Height and Widths, Copying of cells,
Week 2	Mathematical, Statistical function
Week 3	Financial function, Drawing different types of charts,
Week 4	Sort and Filter Data. UNIT-IV Presentation Software:
	DECEMBER
Week 1	Creating, Modifying and enhancing a presentation,
Week 2	Type of presentation views, Using sound,
Week 3	Animation, Working with Objects, Printing.

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WEEK WISE LESSON PLAN 2023-24 (EVEN SEMESTER)

SUBJECT: CLIENT SIDE SCRIPTING CLASS: BCA-4TH SEM

ARVIND KUMAR (EXTENSION LECTURER IN COMPUTER SCIENCE)

	FEBRUARY
Week 1	Introduction to scripting: overview of Java Script, advantages, Basic JavaScript Techniques: Data types, literals, variables
Week 2	client side java Script, capturing user input, writing JavaScript into HTML
Week 3	operators, Java Script arrays, dense array, operators, expressions
Week 4	Java Script Programming Construct: Assignment, data declaration, if, switch, while, for
Week 5	Do while, label, break, Continue, function call,
	MARCH
Week 1	Return , with, delete, method invocation. JavaScript Functions:
Week 2	Types of functions in Java Script-Built in functions, User defined functions,
Week 3	function declaration, passing parameters, variable scope, return values, recursive functions.
Week 4	Dialog boxes: Alert dialog box, prompt dialog box, confirm dialog box, window objects
	APRIL
Week 1	JavaScript Document Object Model: Understanding JDOM Forms: Form object,
Week 2	properties and methods , elements: text, password, button, submit, reset
Week 3	checkbox, Radio, Text Area, select & option
Week 4	Other built-in Object-String object, math object, date object
Week 5	User defined objects: creation, instances, and objects within objects
	MAY
Week 1	Cookies: Concept of cookies, setting a cookie, supply values to cookies.
Week 2	Errors and Debugging: Error, Error Handling and Debugging

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WEEK WISE LESSON PLAN 2023-24 (EVEN SEMESTER)

SUBJECT: PROJECT WORK CLASS: BCA-6TH SEM

ARVIND KUMAR (EXTENSION LECTURER IN COMPUTER SCIENCE)

	FEBRUARY
Week 1	Introduction, List of the Projects
Week 2	Objectives of the Project, Literature Review
Week 3	System Requirement, Processing Environment, Solution Strategy, Acceptance Criteria
Week 4	Feasibility Analysis
Week 5	Project Plan
	MARCH
Week 1	System Requirement, Specification, Developing Environment, External Interface and Data Flow
Week 2	Detailed Design, Detailed DFDs
Week 3	Data Flow Diagrams
Week 4	Test Plan, Implementation/Conversion Plan
	APRIL
Week 1	Technical and managerial lessons learnt
Week 2	Project Coding
Week 3	Project Coding
Week 4	Forms Design, Input Design of form
Week 5	Database Design
	MAY
Week 1	Results and Output Screenshots
Week 2	Acknowledgement, Bibliography, Preface

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WEEK WISE LESSON PLAN 2023-24 (EVEN SEMESTER)

SUBJECT: CSS PRACTICAL CLASS: BCA-4TH SEM

ARVIND KUMAR (EXTENSION LECTURER IN COMPUTER SCIENCE)

	FEBRUARY
Week 1	Write a java script program to check a number is Even or Odd
Week 2	Write a java script program to print the multiplication table
Week 3	Write a java script program to find the factorial of a number
Week 4	Write a java script program to show the use of functions
Week 5	Write a java script program to show the use of Input Output In Java Script
	MARCH
Week 1	Write a java script program to check a number is prime or Not
Week 2	Write a java script program to find the sum and factorial of a number
Week 3	Write a java script program to find the square ROOT of a number
Week 4	Write a java script program to Swap two number
	APRIL
Week 1	Write a java script program to find the area of triangle
Week 2	Write a java script program to find the Largest Among Three Numbers
Week 3	Write a java script program to find the Multiplication Table of a number
Week 4	Write a java script program to find the Sum of Natural Numbers
Week 5	Write a java script program to convert Celsius to Fahrenheit
	MAY
Week 1	Write a java script program to find the Reverse a String
Week 2	Write a java script program to convert String into Upper Case, Lower Case

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WEEK WISE LESSON PLAN 2023-24 (EVEN SEMESTER)

SUBJECT: INTERNET TECHNOLOGY CLASS: BCA-4TH SEM

ARVIND KUMAR (EXTENSION LECTURER IN COMPUTER SCIENCE)

	FEBRUARY
Week 1	UNIT-I Introduction to ASP.NET: Dot NET Framework (CLR,CLI,BCL), ASP.NET Basics,
Week 2	ASP.NET Page Structure, Page Life Cycle. Controls: HTML Server Controls,
Week 3	Web Server Controls, Web User Controls, Validation Controls, Custom Web Controls.
Week 4	UNIT-II State Management: View State,
Week 5	Control State, Hidden Fields, Cookies, Query Strings,
	MARCH
Week 1	Application State, Session State, Profile Properties,
Week 2	Master Pages, Themes, Site Navigation. Security and User Authentication:
Week 3	Basic Security Guidelines, Securing ASP.NET Applications,
Week 4	ASP.NET Memberships and Roles
	APRIL
Week 1	UNIT-III Introduction to ADO.NET, Data Binding,
Week 2	Importing the SQL Client Namespace, Defining the Database Connection,
Week 3	Managing Content Using Grid View and Details View
Week 4	UNIT-IV Working with Files and Email:
Week 5	Writing and Reading Text Files,
	MAY
Week 1	Uploading Files, Sending Email with ASP.NET.
Week 2	Introduction to Web Services, Ajax, Silverlight