Govt College for Women Karnal
Lesson Plan Session 2024-25 (EVEN Semeste

Class: M.S.C 4TH Sem,   Subject:ADVANCED WEB TECHNOLOGY

Name of Assistant Professor: Ms. Nisha

Week I (01/01/2025 to 04/01/2025)

Introduction: Web Browsers, Caching, Downloading and Rendering, Persistent Connections, DNS caching and prefetching ,CSS Expressions and performance, Buffering, Weblog

I**Week II (06/01/2025 to 11/01/2025)**

Optimization and Security: Parallel Downloading, Controlling caches, Content compression Control size with minification, Optimizing images, Load balancers, Tuning MYSQL,

Week III (13/01/2025 to 18/01/2025)

Using query caching, Optimizing query execution and optimization, Marketing of Website: traffic generation,

Week IV (20/01/25 to 25/01/2025)

Search engines: Searching techniques used by search engines, keywords, advertisements, Search engine optimization for individual web pages: header entries,

Week V (27/01/25 to 01/02/2025

tags, selection of URL, alt tags, Search engine optimization for entire website: Hyperlinks and link structure, page rank of Google

Week VI (03/02/25 to 08/02/2025)

click rate, residence time of website, frames, scripts, content management system, cookies, robots,

Week VII (10/02/2025 to 15/02/2025)

Pitfalls in Optimization: optimization and testing, keyword density, doorway pages, duplicate contents, quick change of topics, broken links, poor readability

Week IX (24/02/2025 to 01/03/2025)

rigid layouts, navigation styles; tools for optimization: etracking, Google analytics, checklists

Introduction to JavaScript: Introduction, Obtaining user inputs, memory concepts,

Week X (24/04/2025 to 26/04/2025

Operators, Control Structures, Looping constructs, break, continue statements, Programmer defined functions, Scoping rules,Recursion and iteration, Array declaration and allocation

Week XI (03/03/2025 to 08/03/2025)

passing arrays to function, Objects: String, Date, Boolean, Window, document; using cookies, Handling Events Using JavaScript.

Week XII (17/03/2025 to 22/03/2025)

Introduction to PHP: Installing and Configuring MySQL and PHP, Basic Security Guidelines, Variables, Data Types, Operators and Expressions,

Week XIII (24/03/2025 to 29/03/2025)

Constants, Flow Control Functions; Switching Flow, Loops, Code Blocks and Browser Output, Objects,

Week XIV (31/03/2025 to 05/04/2025)Week XV (07/04/2025 to 12/04/2025)

Strings Processing, Form processing, Connecting to database, using cookies, dynamic contents.

Week XVI (14/04/2025 to 19/04/2025)

 Revision and tests

Week XVII (21/04/2025 to 26/04/2025)

Sessional, Revision and tests

Week XVIII (28/04/2025 to 30/04/2025)

Revision and tests