

**Shastri II Year- IV Semester**

**GENERIC COURSE 4 (GE-4)**

**Course Name: – WEB DEVELOPMENT USING PHP & JAVASCRIPT**

**Introduction:** Making the Internet its driving force website becomes more popular in every area. Static websites play no role nowadays, dynamic and interactive websites bring lively interaction to website visitors. To develop websites knowledge of backend Technology is necessary.

**Objective:** This course will enable the students to understand and develop competency amongst the students to design and develop dynamic and feature-based websites. This course covers the use of programming with PHP and the concepts of databases with SQL.

**Learning Outcomes:** Students can learn concepts of JavaScript and PHP like variables, statements, operators, loops, etc., Form creation and handling, and SQL.

**Theory** : 60Marks

**Internal Assessment** : 40 Marks

unit	Content	Hours	Credits
Unit - 1	Java Script: Introduction, variables, data types, operators, control flow (if-else, for loop, while loop, do-while loop), Declaring Functions, calling functions with parameters, Adding JavaScript to Web Documents, JavaScript Objects, Document Object Models, HTML Events and calling Java Script functions on Events.	15	01
Unit - 2	PHP Introduction: Introduction to PHP, The php.ini File, Basic PHP Syntax, PHP variables, PHP Data type, Operator, and Expression. Decisions and loop: Decision making, loops, arrays, strings.	15	01
Unit - 3	PHP FORM: Forms (form handling), get and post methods, functions (Define a function and its types, Call by value and Call by reference, Recursive function).	15	01
Unit - 4	PHP and MYSQL: Introduction to MYSQL, connecting to MYSQL, database, creation, insertion, deletion, and retrieval of MYSQL data using PHP.	15	01

**Reference Text Books:**

1. Head First PHP &MySQL, O'Reilly Media, Inc, Michael Morrison, Lynn Beighley
2. Sams Teach Yourself PHP, MySQL, and Apache All in One" by Julie C. Meloni, Publisher: SAMS, ISBN 0-672-32976-X
3. Head First JavaScript Programming, O Reilly Publications by Eric FREEMAN