**Post Graduate Govt. College for Girls, Sector-42, Chandigarh**

**Teaching Plan (OddSemester) Session (2019-2020)**

**Class: BCA-5th sem**   **Name of the Teacher: Sarbjit kaur & Sheenam**

**Subject: Web Application Development using PHP Period:VI(1-2),II(5-6)**

**Paper: BCA-16-504 Room No: lab 3**

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| **S. No** | **Dates** | **Topics to be Covered** |
| Week 1 | 23-07-2019 to 27-07-2019 | **Introduction to web applications**: Client Side Scripting Vs Server Side Scripting,  Understanding Web Servers: Local Servers and Remote Servers, Installing WAMP and |
| Week 2 | 29-07-2019 to 03-08-2019 | configuring PHP environment, Static website Vs Dynamic website development, Embedding  PHP code in Web Pages |
| Week 3 | 05-08-2019 to 10-08-2019 | **PHP Basics:** Tokens, Variables, Variable Scope, Constants, Data Types, number handling in |
| Week 4 | 13-08-2019 to 17-08-2019 | PHP, operands, operators, expressions, operator precedence, comments, echo and Print  statement |
| Week 5 | 19-08-2019 to 24-08-2019 | **Control structures:** Branching statements: if-else, ternary operator, switch; looping  statements: while, do-while, for; file inclusion Statements |
| Week 6 | 26-08-2019 to 31-08-2019 | **Functions:** Function definition, Creating and invoking user-defined functions, Formal  parameters versus actual parameters, Function and variable scope, Recursion, Library  functions |
| Week 7 | 02-09-2019 to 07-09-2019 | **String Handling:** interpolation with curly braces, characters and string indexes, string  operators, heredoc, string functions, Formatting Strings, Comparing and searching Strings  and substrings |
| Week 8 | 09-09-2019to 14-09-2019 | **Arrays:** PHP Arrays, Creating Arrays, Accessing Array elements, Multidimensional Arrays,  Inspecting Arrays, Deleting from Arrays, Iterating with each() and foreach(), Iterative  functions: current(), next(), prev(), reset(), end() |
| Week 9 | 16-09-2019 to 21-09-2019 | **Forms**: Working with HTML Form controls and PHP, Super global variables, super global  array, importing user input, Accessing user input |
| Week 10 | 23-09-2019 to28-09-2019  (Youth Festival 24-09-2019 to 27-09-2019) | **Integrating PHP and Database**: Connecting to database, Making SQL queries, Executing  queries, |
| Week 11 | 30-09-2019 to 05-10-2019 | Fetching data sets, Integrating Forms and Databases**:** Basic form submission to a database, editing data with an HTML form |
| Mid Semester Exams | | |
| Week 12 | 16-10-2019 to 19-10-2019 | **Maintaining User State:** Introduction to Cookies, Setting time in a cookie with PHP, |
| Week 13 | 21-10-2019 to 26-10-2019 | Deleting a cookie, creating session cookie |
| Week 14 | 29-10-2019 to 02-11-2019 | Introduction to sessions, Starting a session, Registering Session variables |
| Week 15 | 04-11-2019 to 09-11-2019 | working with session variables, Destroying session, passing  session Ids |
| Week 16 | 11-11-2019 to 16-11-2019 | Encoding and decoding session variables, increase session expire time, working of session without cookie. |
| Week 17 | 18-11-2019 to 23-11-2019 | **Working with File System:** Understanding PHP file permissions, Opening and closing a file |
| Week 18 | 25-11-2019 to 30-11-2019 | File reading and writing functions, File system and directory functions |