**Lesson Plan**

**Name of faculty :** Saravjit Chahal

**Discipline :** Computer Engineering

**Semester :** 5

**Subject :** PHP

**Lesson Plan Duration :** 15 Weeks (from July, 2018 to Dec, 2018)

**Work Load(Lecture/ Practical) per week (in hours):** Lectures-03, Practicals – **06**

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| **Week** |  **Theory** | **Practical** |
| **Lecture day** | **Topic****(including assignment /****test)** | **Practical day** | **Topic** |
| 1st | 1st | Introduction to PHP | 1 | Design PHP based web pages using correct PHP, CSS, and XHTML syntax, structure |
| 2nd | How PHP Works |
| 3rd | The php.ini File, Basic PHP Syntax |
| 2nd | 4th | PHP Tags | 2 | Design PHP based web pages using correct PHP, CSS, and XHTML syntax, structure |
| 5th | PHP Statements and Whitespace |
| 6th | PHP Statements and Whitespace |
| 3rd | 7th | Variable Types | 3 | Design PHP based web pages using correct PHP, CSS, and XHTML syntax, structure |
| 8th | Variable Names (Identifiers |
| 9th | Type Strength, Variable Scope |
| 4th | 10th | Constants, assisgnment | 4 | Create Web forms and pages that properly use HTTP GET and POST protocol as appropriate |
| 11th | Variable-Testing |
| 12th | Manipulation Functions |
| 5th | 13th | Operators: Strings | 5 | Create Web forms and pages that properly use HTTP GET and POST protocol as appropriate |
| 14th | Arrays, comments |
| 15th | Sessional test |
| 6th | 16th | Methods and Functions | 6 | Create Web forms and pages that properly use HTTP GET and POST protocol as appropriate |
| 17th | Built in functions |
| 18th | User-defined functions |
| 7th | 19th | Function arguments, Returning values | 7 | Design SQL language within MySQL and PHP to access and manipulate databases |
| 20th | Variable functions |
| 21st | Anonymous functions |
| 8th | 22nd | Control statements | 8 | Design SQL language within MySQL and PHP to access and manipulate databases |
| 23rd | Conditional Processing |
| 24th | If Conditions , assignment |
| 9th | 25th | Loops : while loop | 9 | Install and configure both PHP and MySQL |
| 26th | do...while, for loops |
| 27th | break and continue |
| 10th | 28th | PHP forms | 10 | Install and configure both PHP and MySQL |
| 29th | Login Security Authentication(User logins) |
| 30th | Sessional test |
| 11th | 31st | Authorization (Permissions) | 11 | Create PHP code that utilizes the commonly used API library functions built in to PHP. |
| 32nd | Encryption |
| 33rd | Session Cookies  |
| 12th | 34th | PHP Mail | 12 | Create PHP code that utilizes the commonly used API library functions built in to PHP. |
| 35th | PHP Mail |
| 36th | File Handling |
| 13th | 37th | File Handling | 13 | Design and create a complete web site that demonstrates good PHP/MySQL client/server design |
| 38th | File Uploading |
| 39th | File Uploading, assignment |
| 14th | 40th | Introduction to MySQL | 14 | Design and create a complete web site that demonstrates good PHP/MySQL client/server design |
| 41st | Database design |
| 42nd | Database Development using MySql |
| 15th | 43rd | PHP Connectivity with MySQL | 15 | Design and create a complete web site that demonstrates good PHP/MySQL client/server design |
| 44th | PHP Connectivity with MySQL |
| 45th | Sessional Test |