



**DON BOSCO ARTS & SCIENCE COLLEGE**

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# PHP Programming

2018-19

BCA Department



## **SYLLABUS FOR ADD-ON COURSE**

### **Module I**

Introduction to PHP- Evaluation of Php, Basic Syntax, Defining variable and constant, Php Data type' Operator and Expression. Decisions and loop- Making Decisions, Doing Repetitive task with looping, Mixing Decisions and looping with Html.

### **Module II**

Array- Anatomy of an Array, Creating index based and Associative array, Accessing array Element, Looping with Index based array, Looping with associative array using each() and foreach(), Some useful Library function. Function- What is a function, Define a function, Call by value and Call by reference, Recursive function.String- Creating and accessing String, Searching & Replacing String, Formatting String, String Related Library function. String matching with regular expression- What is regular expression, Pattern matching in Php, Replacing text, Splitting a string with a Regular Expression

### **Module III**

Handling Html Form With Php- Capturing Form Data, Dealing with Multi-value filed, Generating File uploaded form, Redirecting a form after submission. State management- Using query string (URL rewriting), Using Hidden field, Using cookies, Using session. Generating Images with PHP- Basics of computer Graphics, Creating Image, Manipulating Image, Using text in Image.

### **Module IV**

Database Connectivity with MySql- Introduction to RDBMS, Connection with MySql Database, Performing basic database operation(DML) (Insert, Delete, Update, Select), Setting query parameter, Executing query, Join (Cross joins, Inner joins, Outer Joins, Self joins.)

### **Reference**

1. Programming in PHP O'reilley
2. Complete reference in PHP-Steven Hozner
3. 2.Beginning PHP5 (Wrox Programmer) 3