

Teaching Plan Academic Year 2020-2021

Name of Teacher: Miss I. S. Sayyed

Class: M.Sc. SY

Semester: III

Course Title: Web Programming Using PHP and MYSQL

Course Code: P-WPD-328

Unit	Topics To be Covered	Date	No. of Lectures
Unit I	Unit –I: Introduction and PHP Basics	Total	15
	<ul style="list-style-type: none"> • Introduction to web techniques HTTP basics, Introduction to Web server and Web browser, Introduction to PHP, What does PHP do? • Function and String: Defining and calling a function, Default parameters, Variable parameters, Missing parameters, Variable function, Anonymous function, • Types of strings in PHP, Printing functions, Encoding . 	13.07.2020 To 18.07.2020	06
		20.07.2020 To 25.07.2020	06
		27.07.2020 To 31.07.2020	03
Unit II	Unit II: Working with Data, Arrays and Object Oriented Programming	Total	15
	<ul style="list-style-type: none"> • Arrays: Indexed Vs Associative arrays, Identifying elements of an array, Storing data in arrays, Multidimensional arrays, Extracting multiple values, Converting between arrays and variables • Introduction to Object Oriented Programming: Classes, Objects, Serialization, Inheritance Interfaces, Encapsulation Working with Data: FORM element, INPUT elements, validating user input, • Passing variables between pages, passing variables through a GET, Passing variables through a POST, Passing variables through a REQUEST, MVC Architecture. 	01.08.2020 To 08.08.2020	06
		10.08.2020 To 15.08.2020	05
		17.08.2020 To 22.08.2020	04

Unit III	Unit-III: Web Techniques and MYSQL <ul style="list-style-type: none"> • Cookies & Sessions (JavaScript) Anatomy of a cookie, setting a cookie with PHP, Deleting a cookie, creating session cookie, Starting a session, working with session variables, destroying a session, Encoding and decoding session variables. • Introduction to MySQL Introduction to MySql, Benefits of MySql, Basics: reserve words, key words, variables, data types, • Types of commands: Data Definition Commands, Data Manipulation Commands, Data Control Commands Clauses: where, order by , group by , having, like , between, Database connectivity • PHP framework and Handling email with php Introduction to PHP framework, Features, Applications, One example like Code Igniter Sending email with php, Email id validation and verification 	Total	15
		24.08.2020 To 29.08.2020	05
		31.08.2020 To 05.09.2020	03
		07.09.2020 To 12.09.2020	03
		14.09.2020 To 19.09.2020	04
Unit IV	Unit-IV: Web Designing Technologies and Ajax <ul style="list-style-type: none"> • Overview of JavaScript, Basic Syntax (JS datatypes, JS variables), Primitives, Operations and Expressions, • Screen Output and keyboard input (Verification and Validation), JS Control statements, JS Functions, JS popup boxes (alert, confirm, prompt), • Introduction to CSS • Introduction to AJAX Introduction of AJAX, Simple AJAX Example, Performing simple AJAX validation 	Total	15
		21.09.2020 To 26.09.2020	03
		28.09.2020 To 03.10.2020	03
		05.10.2020 To 10.10.2020	03
		12.10.2020 To 17.10.2020	06

Name of Teacher: Miss I. S. Sayyed

Class: B.Voc. SY

Semester: III

Course Title: PHP, Bootstrap and jQuery

Course Code: U-PBJ-429

Unit	Topics To be Covered	Date	No. of Lectures
Unit I	Unit –I: PHP <ul style="list-style-type: none">• Introduction, Syntax, Variables,• Print/Echo, Datatypes, Strings, Constants,• Operators, If.....Else.... Elseif, Switch,• While Loops, For Loops, Function, Arrays, Forms	Total	15
		13.07.2020 To 18.07.2020	06
		20.07.2020 To 25.07.2020	06
		27.07.2020 To 31.07.2020	03
Unit II	Unit II: : Introduction to Bootstrap <ul style="list-style-type: none">• Bootstrap- Get Started, what is Bootstrap? Bootstrap CDN Bootstrap is Mobile–First, Containers, Basic Bootstrap Pages, Bootstrap Grids, Bootstrap Grid System, Grid Classes,• Basic Structure of a Bootstrap Grid, Equal Columns, and Unequal Columns.• Typography, Table, Images, Wells, Alerts.	Total	15
		01.08.2020 To 08.08.2020	06
		10.08.2020 To 15.08.2020	05
		17.08.2020 To 22.08.2020	04

Unit III	Unit-III: Bootstrap UI	Total	15
	<ul style="list-style-type: none"> • Button, Button groups, Badges/Labels • Progress Bars, Pagination, pager, • List groups, Panels, Drop Down, • Collapse, Tabs/Pills, Navbars. 	24.08.2020 To 29.08.2020	05
		31.08.2020 To 05.09.2020	03
		07.09.2020 To 12.09.2020	03
		14.09.2020 To 19.09.2020	04
Unit IV	Unit-IV: jQuery	Total	15
	<ul style="list-style-type: none"> • What is jQuery? Downloading and installing • jQuery Creating a simple jQuery, enabled page Overview of jQuery's • Retrieving Page Content - • Using basic jQuery selectors, filters, attribute filters, Child, visibility, and content filters, Form selectors and filters. • Traversing documents, Understanding jQuery statement, Binding and unbinding events, Convenient event helper methods, Using the jQuery event object, jQuery Animations and Effects. • Using the jQuery UI Plug In • Manipulating Page, Working with Events. 	21.09.2020 To 26.09.2020	03
		28.09.2020 To 03.10.2020	03
		05.10.2020 To 10.10.2020	03
		12.10.2020 To 17.10.2020	06

Name of Teacher: Miss I. S. Sayyed

Class: B.Voc. SY

Semester: III

Course Title: PHP, Bootstrap and jQuery

Course Code: U-WDA-661

Unit	Topics To be Covered	Date	No. of Lectures
Unit I	Unit –I: Introduction to TypeScript <ul style="list-style-type: none">• Introduction, Overview, Environment Setup,• Basic Syntax, Variables, Operators,• Decision Making, Loops, Functions,• Numbers, String, Arrays, Union,• Interfaces, Classes, Objects.	Total	15
		13.07.2020 To 18.07.2020	06
		20.07.2020 To 25.07.2020	06
		27.07.2020 To 31.07.2020	03
Unit II	Unit II: Introduction to Angular <ul style="list-style-type: none">• What is Browser? Introduction to Angular,• History of Angular, Development Environment,• Angular Life Cycle, Project Setup,• Project Structure, Installation, Bootstrap in Angular..	Total	15
		01.08.2020 To 08.08.2020	06
		10.08.2020 To 15.08.2020	05
		17.08.2020 To 22.08.2020	04

Unit III	Unit-III: Components, Binding and Directives <ul style="list-style-type: none"> • Components, Module, Scope, Interpolation. • Binding- Data Binding, Event Binding, Class Binding, Style Binding, • Templates. • Directives- Definition, scope, Directive with child scope, Passing data into a Directive. 	Total	15
		24.08.2020 To 29.08.2020	05
		31.08.2020 To 05.09.2020	03
		07.09.2020 To 12.09.2020	03
		14.09.2020 To 19.09.2020	04
Unit IV	Unit-IV: Pipes, Routing and Animation <ul style="list-style-type: none"> • Pipes, CLI, NgIf, NgSwitch, Ngfor, • Services. • Routing- Routing modes, Advance Routing. • Angular Animation- Installation, using css3 animation, using css3 transition, • built in directives. 	Total	15
		21.09.2020 To 26.09.2020	03
		28.09.2020 To 03.10.2020	03
		05.10.2020 To 10.10.2020	03
		12.10.2020 To 17.10.2020	06

Name of Teacher: Miss I. S. Sayyed

Class: B.Voc. F.Y.

Semester: I

Course Title: Basics of Computer Programming

Course Code: U-BCP-215

Unit	Topics To be Covered	Date	No. of Lectures
Unit I	Unit I: Algorithm, Flowchart & Programming Basic <ul style="list-style-type: none">• Algorithm and flowcharts• Definition and properties• Developing well known algorithms• Principles of flowcharting• Flow charting symbols• Converting algorithm to flowchart• Programming Basic What is Programming?• Tokens• Data Type• Variables• Constants• Operators	Total	20
		05.10.2020 To 10.10.2020	04
		12.10.2020 To 17.10.2020	04
		19.10.2020 To 24.10.2020	04
		26.10.2020 To 31.10.2020	04
		02.11.2020 To 7.11.2020	04
Unit II	Unit II: C Language Basic <ul style="list-style-type: none">• Introduction to C• Introduction and History of C• Formatted input and output Structure of C program Hello World Program• Decision Making and Looping• Decision making Statements: - simple if, if else, nested if else Switch Statement Looping Statements: - for, while and do while break, continue Nested Loop Programs on above statements	Total	20
		09.11.2020 To 14.11.2020	04
		16.11.2020 To 21.11.2020	04
		23.11.2020 To 28.11.2020	04
		30.11.2020 To 05.12.2020	04

Unit III	Unit-III: Array, String and Function	Total	20
	<ul style="list-style-type: none"> • Array and String • Difference between Variable and Array • Array Memory Structure • One Dimensional Array • Multi-Dimensional Array • String • Introduction to function • What is Function? • Function Signature • No Arguments and no return values • Arguments but no return values • Arguments with return values 	07.12.2020 To 12.12.2020	04
		14.12.2020 To 19.12.2020	04
		21.12.2020 To 26.12.2020	04
		28.12.2020 To 02.01.2021	04
		04.01.2021 To 09.01.2021	04
Unit IV	Unit-IV: Pointer and Structure	Total	20
	<ul style="list-style-type: none"> • Pointers • Understanding pointers Declaring and initializing pointers Accessing a variable through pointers. • Introduction to Structure • Difference between Array and Structure • Structure Member Structure Variable Union Programs on Pointers, Structure and Union 	11.01.2021 To 16.01.2021	04
		18.01.2021 To 23.01.2021	04
		25.01.2021 To 30.01.2021	04
		01.02.2021 To 06.02.2021	04
		08.02.2021 To 13.02.2021	04

Name of Teacher: Miss I. S. Sayyed

Class: M.Sc. F.Y.

Semester: I

Course Title: Object Oriented Programming using Python

Course Code: P-OUP-128

Unit	Topics To be Covered	Date	No. of Lectures
Unit I	Unit –I: Introduction to Python Installation and Working with Python, Understanding Python variables, Python basic Operators, Understanding python blocks, Declaring and using Numeric data types: int, float, complex, Using string data type and string operations, Defining list and list slicing, Use of Tuple data type, Conditional blocks using if, else and elif, Simple for loops in python, For loop using ranges, string, list and dictionaries, Use of while loops in python, Loop manipulation using pass, continue, break and else, Programming using Python conditional and loops block	Total	19
		01.01.2021 To 02.01.2021	02
		04.01.2021 To 06.01.2021	03
		07.01.2021 To 09.12.2019	03
		11.01.2021 To 13.01.2021	03
		14.01.2021 To 16.01.2021	03
		18.01.2021 To 23.01.2021	05
Unit II	Unit II: Python Functions, Modules and Packages • Organizing python codes using functions, organizing python projects into modules, Importing own module as well as external modules, Understanding Packages, Powerful Lamda function in python, Programming using functions, modules and external packages, Building blocks of python programs, Understanding string in build methods, List manipulation using in build methods, Dictionary manipulation, Programming using string, list and dictionary in build functions.	Total	18
		25.01.2021 To 30.01.2021	06
		01.02.2021 To 06.02.2021	06
		08.02.2021 To 13.02.2021	06

Unit III	Unit-III: Python File Operation and OOPs	Total	15
	<ul style="list-style-type: none"> • Reading config files in python, Writing log files in python, • Understanding read functions, read(), readline() and readlines(), • Understanding write functions, write() and writelines(), • Concept of class, object and instances, Constructor, class attributes and destructors, Real time use of class in live projects inheritance, overlapping and overloading operators, • Adding and retrieving dynamic attributes of classes, Programming using OOPs support. 	15.02.2021 To 20.02.2021	05
		22.02.2021 To 28.02.2021	05
		01.03.2021 To 06.03.2021	05
Unit IV	Unit-IV: Python Regular Expression, Exception Handling & Database Interaction	Total	08
	<ul style="list-style-type: none"> • Powerful pattern matching and searching, Power of pattern searching using regex in python, • Real time parsing of networking or system data using regex, Password, email, url validation using regular expression, Pattern finding programs using regular expression, • Handling and helping developer with error code, Programming using Exception handling, SQL Database connection using python, Creating and searching tables, • Reading and storing config information on database, Programming using database connections. 	08.03.2021 To 10.03.2021	02
		11.03.2021 To 14.03.2021	03
		15.03.2021 To 18.03.2021	03

Miss I.S. Sayyed

Head of Department

Principal