Teaching Plan Academic Year 2019-2020

Name of Teacher: SHAIKH RIYAJ SHAIKH SAHEB
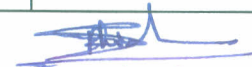
Class: B.Sc.C.S. T.Y. **Semester: VI**

Course Title: Web Programming Using PhP   **Course Code:** U-WPP-703

Unit	Topics To be Covered	Date	No. of Lectures
Unit I	**Chapter 1 Introduction to PHP** 1.1 Evaluation of Php 1.2 Basic Syntax 1.3 Defining variable and constant	12/12/2019 to 24/12/2019	9
	1.4 Php Data type 1.5 Operator and Expression **Chapter 2 Handling Html Form with Php** 2.1 Capturing Form Data 2.2 Dealing with Multi-value filed 2.3 Generating File uploaded form 2.4 Redirecting a form after submission	26/12/2019 to 08/01/2020	10
Unit II	**Chapter 3 Function** 3.1 What is a function 3.2 Define a function 3.3 Call by value and Call by reference 3.4 Recursive function	09/01/2020 to 20/01/2020	6
	3.5 String Related Library function **Chapter 4 Array** 4.1 Anatomy of an Array 4.2 Creating index based and Associative array 4.3 Accessing array Element 4.4 Looping with Index based array 4.5 Looping with associative array using each() and foreach()	21/01/2020 to 04/02/2020	10

Unit III	**Chapter 5 State management** 5.1 Using query string(URL rewriting) 5.2 Using Hidden field 5.3 Using cookies 5.4 Using session	05/02/2020 to 12/02/2020	5
	Chapter 6 String matching with regular expression 6.1 What is regular expression 6.2 Pattern matching in Php 6.3 Replacing text 6.4 Splitting a string with a Regular Expression	13/02/2020 to 26/02/2020	8
Unit IV	**Chapter 7 Introduction to OOPS** 7.1 Class, Objects, Constructor, Destructor 7.2 Access method and properties using $this variable 7.3 Public, private, protected properties and methods	07/03/2020 to 18/03/2020	6
	7.4 Static properties and method 7.5 Inheritance & code reusability 7.6 Polymorphism 7.7 Parent:: & self:: keyword 7.8 Instanceof operator 7.9 Interface **Chapter 8 Database Connectivity with MySql** 8.1 Introduction to RDBMS 8.2 Connection with MySql Database 8.3 Performing basic database operation(DML) (Insert, Delete, Update, Select) 8.4 Setting query parameter 8.5 Executing query 8.6 Join 8.7 Web Hosting steps	19/03/2020 to 31/03/2020	4

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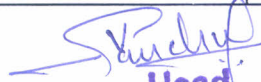
Course Title: Python Programming

Course Code: U-PYP-718

Unit	Topics To be Covered	Date	No. of Lectures
Unit I	**Getting started with python** Introduction to python, features, program output, program input and raw_input(), comments in python, operators, Code blocks and indentation.	16/12/2019 to 24/12/2019	6
		26/12/2019 to 31/12/2019	4
Unit II	**Python Basics, Syntax and Style** Variable Assignment, Identifiers. Numbers: Introduction to Numbers, Integers, Floating Point Real Numbers, Complex Numbers, Operators, Built-in Functions.	02/01/2020 to 14/01/2020	8
	Strings: Strings and Operators, String-only Operators, Built-in Functions, String Built-in Methods, Special Features of Strings. Lists: Operators, Built-in Functions, List Type Built-in Methods, Special Features of Lists. Tuples: Tuple Operators and Built-in Functions, Special Features of Tuples	16/01/2020 to 01/02/2020	12

Unit III	**Control Constructs and Exceptions** Conditionals and Loops: if statement, else Statement, elif (a.k.a. else-if) Statement, while Statement, for Statement, break Statement, continue Statement, pass Statement, else Statement… Errors And Exceptions: What Are Exceptions?, Exceptions in Python, Detecting and Handling Exceptions.	03/02/2020 to 25/03/2020	12
Unit IV	**Functions** What Are Functions?, Calling Functions, Creating Functions, Passing Functions, Formal Arguments, Positional Arguments, Default Arguments, Why Default Arguments?, Default Function Object Argument Example, Variable-length Arguments, Non-keyword Variable Arguments (Tuple) , Keyword Variable Arguments (Dictionary)	06/03/2020 to 17/03/2020	6
Unit V	**Classes and OOP** Introduction, Object-oriented Programming, Classes, Class Attributes, Instances, Instance Attributes, Binding and Method Invocation, Composition, Subclassing and Derivation Inheritance, Built-in Functions for Classes, Instances, and Other Objects, Type vs. Classes/Instances	19/03/2020 to 31/03/2020	7

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Structured Work Plan for Teaching
Academic Year 2019-2020

Name of Teacher: SHAIKH RIYAJ SHAIKH SAHEB

Class: B.C.A. T.Y.   **Semester:** V   **Course Title:** Computer Networks

Course Code: U-CON-615

Unit	Topics To be Covered	Date	No. of Lectures
Unit I	Unit I: INTRODUCTION TO NETWORKS 1.1 A Communication model 1.2 Uses of computer network, network structure, network architecture. 1.3 Networks:- LAN, WAN ,MAN, ARPANET, NFSNET, INTERNET. 1.4 Wireless LAN Client Server mode 1.5 Peer to Peer Network Analog Signal , Digital Signal 1.6 ISO Reference model, Services provided by each layer, TCP/IP model 1.7 Service primitives, connection oriented and connectionless services.	24/06/2019 to 06/08/2019	23
Unit II	Unit II: TRANSMISSION MEDIA, NETWORK TOPOLOGY AND LAYER 2.1 Transmission Media & Magnetic media. 2.2 Twisted Pair Coaxial cable Fiber optics 2.3 Topologies with advantages & disadvantages:-Bus, Ring, Star, Tree, Mesh. 2.4 Infrared. Microwave. 2.5 Design issues store and forward packet switching. 2.6 Services provided to the transport layer. 2.7 Connectionless comm. services. 2.8 Connection oriented communication services.	07/08/2019 to 06/09/2019	18

Unit III	PROTOCOLS 3.1 INTERNET Related PROTOCOLS: 3.2 Need of IP address 3.3 Classes of IP Address. 3.4 Unicast, broad cast, multicast IP Addresses. 3.5 Subnet Mask. 3.6 Electronic mail, FTP, TFTP, SNMP,HTTP. 3.7 Introduction to IPV4, IPV6 and its features.	07/09/2019 to 17/09/2019	17
Unit IV	ETHERNET & SWITCHING TECHNIQUES 4.1 Circuit, Packet, Message Switching 4.2 Overview of Ethernet 10 Base, 100 Base 4.3 Fast Ethernet, POE, FDDI, Token Ring 4.4 VLAN and its features, frame relay. 4.5 CSMA-CD,CA 4.6 Flow control, Error Control, Congestion control. 4.7 Half, Full duplex communication	26/09/2019 to 23/10/2019	16

Teaching Plan Academic Year 2019-2020

Name of Teacher: SHAIKH RIYAJ SHAIKH SAHEB

Class: B.Sc.C.S. T.Y. **Semester: V**

Course Title: Programming With Python

Course Code: U-PWP-605

Unit	Topics To be Covered	Date	No. of Lectures
Unit I	Getting started with python Introduction to python, features Program output Program input and raw_input() comments in python Operators Code blocks and indentation.	24/06/2019 to 18/07/2019	16
Unit II	Python Basics, Syntax and Style Variable assignment and Identifiers, Numbers: Introduction to Numbers, Integers, Floating Point Real Numbers, Complex Numbers, Operators, Built-in Functions, Strings: Strings and Operators, String-only Operators, Built-in Functions, String Built-in Methods, Special Features of Strings. Lists: Operators, Built-in Functions, List Type, Built-in Methods, Special Features of Lists. Tuples: Tuple Operators and Built-in Functions, Special Features of Tuples.	17/09/2019 to 03/08/2019	12
Unit III	Control Constructs and Exceptions Conditionals and Loops: if statement, else Statement, elif Statement, while Statement, for Statement, break Statement, continue Statement, pass Statement, else Statement. Errors And Exceptions: What Are Exceptions?, Exceptions in Python, Detecting and Handling Exceptions	05/08/2019 to 03/09/2019	16
	Functions What Are Functions?, Calling Functions, Creating Functions, Passing Functions, Formal Arguments, Positional Arguments,		

Unit IV	Object Argument Example, Variable-length Arguments, Non-keyword Variable Arguments (Tuple) , Keyword Variable Arguments (Dictionary)	04/09/2019 to 17/09/2019	6
Unit V	Classes and OOP Introduction, Object-oriented Programming, Classes, Class Attributes, Instances, Instance Attributes, Binding and Method Invocation, Composition, Sub-classing and Derivation Inheritance, Built-in Functions for Classes, Instances, and Other Objects, Type vs. Classes/Instances	26/09/2019 to 23/10/2019	16

Course Teacher

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