

Rajarshi Shahu Mahavidyalaya(Autonomous), Latur

Faculty Of InformationTechnology.

Structured Work Plan for Teaching

(6 –July - 2020 TO 15- Nov.-2020)

1. Details of Classes to be taught

Sr. No.	Class	Name of Asst. Prof.	Course Title	Course Code
1	B.Sc.C.S. T.Y. [V - Semester]	Mr. Shaikh Riyaj Shaikh Saheb	Programming With Python	U-PWP-605
2	B.C.A. T.Y. [V- Semester]		Computer Networks	U--CON-615

1. Summary of Lesson Plan

Name of Teacher: Mr. Shaikh Riyaj Shaikh Saheb

Class : B.Sc.C.S. T.Y. [V - Semester]

Teaching Hours: 52

Sr. No.	Course Title/ Course Code	Unit and Chapter to be covered	Date		No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic
			From	To			
1	Programming With Python	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.	6-7-20	5-8-20	13	Class Seminars	Assignment on Input output statements
2		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	8-8-20	14-9-20	15	Quries Solving Task	Assignment on strings

	U-PWP-605	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					
3		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	25-9-20	10-10-20	10	Quries Solving Task	Test
4		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)	11-10-20	20-10-20	7	Seminars	Programming Assignments on conditional Logic
5		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	22-10-20	15-11-20	7	Seminars	Programming Assignments on OOP

2. Summary of Lesson Plan

Name of Teacher: Mr. Shaikh Riyaj Shaikh Saheb

Class : B.C.A. T.Y. [V - Semester]

Teaching Hours: 53

Sr. No.	Course Title/ Course Code	Unit and Chapter to be covered	Date		No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic
			From	To			
1	Computer Networks	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	6-7-20	25-8-20	20	Class Seminars	Assignment on Network Types

	U-CON-615	oriented and connectionless services.					
2		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 communication services. 2.8 Connection oriented communication services.	27-8-20	10-10-20	18	Task related to study of communication medium	Test
3		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.	11-10-20	20-10-20	7	Study of Protocol	Assignments on IP address classes
4		Unit IV: ETHERNET & SWITCHING TECHNIQUES 4.1 Circuit Switching , Packet Switching, Message Switching	22-10-20	15-11-20	8	Seminars	Assignments on Switching Techniques

		<p>4.2 Ethernet Overview of Ethernet 10 Base, 100 Base</p> <p>4.3 Fast Ethernet, POE, FDDI, Token Ring</p> <p>4.4 VLAN and its features, frame relay.</p> <p>4.5 CSMA-CD,CA</p> <p>4.6 Flow control, Error Control, Congestion control.</p> <p>4.7 Half, Full duplex communication.</p>					
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Rajarshi Shahu Mahavidyalaya(Autonomous), Latur

Faculty Of InformationTechnology.

Structured Work Plan for Teaching

(24-Feb - 2021 TO 15- May-2021)

1. Details of Classes to be taught

Sr. No.	Class	Name of Asst. Prof.	Course Title	Course Code
1	B.Sc.C.S. T.Y. [VI - Semester]	Mr. Shaikh Riyaj Shaikh Saheb	Web Programming Using PhP	U-WPP-703
2	B.C.A. T.Y. [VI- Semester]		Programming With Python	U-PYP-718

2. Summary of Lesson Plan

Name of Teacher: Mr. Shaikh Riyaj Shaikh Saheb

Class : B.Sc.C.S. T.Y. [VI - Semester]

Teaching Hours: 58

Sr. No.	Course Title/ Course Code	Unit and Chapter to be covered	Date		No. of Lectures	Academic activities to be organized	No. of test/ Assignment with Topic
			From	To			
1		Chapter 1 Introduction to PHP 1.1 Evaluation of Php 1.2 Basic Syntax 1.3 Defining variable and constant 1.4 Php Data type 1.5 Operator and Expression	25-02-21	12-3-21	10	Class Seminars	Assignment on Creating Simple Form
2		Chapter 2 Handling Html Form with Php 2.1 Capturing Form Data	13-3-21	20-3-21	07	Mini Task	Assignment on Capturing from data

		<p>2.2 Dealing with Multi-value filed</p> <p>2.3 Generating File uploaded form</p> <p>2.4 Redirecting a form after submission</p>					
3		<p>Chapter 3 Function</p> <p>3.1 What is a function</p> <p>3.2 Define a function</p> <p>3.3 Call by value and Call by reference</p> <p>3.4 Recursive function</p> <p>3.5 String Related Library function</p> <p>Chapter 4 Array</p> <p>4.1 Anatomy of an Array</p> <p>4.2 Creating index based and Associative array</p> <p>4.3 Accessing array Element</p> <p>4.4 Looping with Index based array</p> <p>4.5 Looping with associative array using each() and foreach()</p>	21-3-21	29-3-21	07	Seminars	Test
4		<p>Unit III</p> <p>Chapter 5 State management</p>	1-4-21	8-4-21	05	Mini Task	Test

	Web Programming Using Php U-WPP-703	5.1 Using query string(URL rewriting) 5.2 Using Hidden field 5.3 Using cookies 5.4 Using session					
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	10-4-21	16-4-21	07	Seminar	Assignments on Strings
6		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	17-4-21	24-4-21	10	Seminar	Assignment on OOPS

		<p>7.4 Static properties and method</p> <p>7.5 Inheritance & code reusability</p> <p>7.6 Polymorphism</p> <p>7.7 Parent:: & self:: keyword</p> <p>7.8 Instanceof operator</p> <p>7.9 Interface</p>					
7		<p>Chapter 8 Database Connectivity with MySql</p> <p>8.1 Introduction to RDBMS</p> <p>8.2 Connection with MySql Database</p> <p>8.3 Performing basic database operation(DML) (Insert, Delete, Update, Select)</p> <p>8.4 Setting query parameter</p> <p>8.5 Executing query</p> <p>8.6 Join</p> <p>8.7 Web Hosting steps</p>	25-4-21	12-5-21	12	Mini Task	Assignment on database creation and connectivity

2. Summary of Lesson Plan

Name of Teacher: Mr. Shaikh Riyaj Shaikh Saheb

Class : B.C.A.. T.Y. [VI - Semester]

Teaching Hours: 57

Sr. No.	Course Title/ Course Code	Unit and Chapter to be covered	Date		No. of Lectures	Academic activities to be organized	No. of test/ Assignment with Topic
			From	To			
1		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.	24-2-21	10-3-21	12	Class Seminars	Assignment on Creating Simple python program
2		Unit II: Python Basics, Syntax and Style	12-3-21	20-3-21	06	Mini Task	Assignment on input output statements

		Variable assignment and Identifiers, Numbers: Introduction to Numbers, Integers, Floating Point Real Numbers, Complex Numbers, Operators, Builtin Functions.					
3		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, Builtin Methods, Special Features of Lists. Tuples: Tuple Operators and Built-in Functions, Special Features of Tuples	21-3-21	29-3-21	07	Seminars	Test

4	Programming With Python U-PYP-718	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	1-4-21	15-4-21	12	Mini Task	Assignment on Exception handling
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5		<p>Unit IV:</p> <p>Functions</p> <p>What Are Functions?, Calling Functions, Creating Functions, Passing Functions, Formal Arguments, Positional Arguments, Default Arguments, Why Default Arguments?Default Function Object</p> <p>Argument Example, Variable-length Arguments,</p> <p>Non-keyword Variable Arguments (Tuple) , Keyword Variable Arguments (Dictionary)</p>	16-4-2021	27-4-2021	10	Seminar	Assignments on Functions
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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	28-4-21	15-5-21	10	Seminar	Assignment on OOPS
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