

Rajarshi Shahu Mahavidyalaya, (Autonomous), Latur

Teaching Plan (Semester-II) 2020-2021

1. Details of Classes to be taught

Sr. No.	Class	Name of Asst. Prof.	Subject	Paper	Total Lecturers:
1	B.Voc FY	Miss. P. S. Latoriya	Computer Science	CT.GE.203 Mathematical Foundation	60 Credit 4

2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Unit -1: Set Theory Introduction, Definition of set, Representation of set, ϵ -notation, Types of sets, Equality of sets Subset of set, Union of sets, Intersection of sets, Disjoint sets, Universal set, Complement of set, Difference of sets, Venn diagram, Application of sets.	07 08	12.03.2021 to 27.03.2021 29.03.2021 to 02.04.2021	PPT representation for Introduction of Set Theory Word File representation for problem solving	
2	Unit II Determinants Formation of determinants, Minors & Co-factors of the elements of the determinant, Properties of determinant Application of determinants in Business problems.	07 08	03.04.2021 to 10.04.2021 12.04.2021 to 22.04.2021	PPT representation for introduction of Determinants and used online E-white board for problem solving	Unit Test-II

Rajarshi Shahu Mahavidyalaya, (Autonomous), Latur

Teaching Plan (Semester-IV) 2020-2021

1. Details of Classes to be taught

Sr. No.	Class	Name of Asst. Prof.	Subject	Paper	Total Lecturers:
1	B. Voc. FY	Miss. P.S. Latoriya	Computer Science	CT.SC.203 Media Content Development and Graphics Design	60 (Credit 4)

2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date	Academic activities to be organized	No. of Test / Assignment with topic and date
1	UNIT- I: Flash Basics Flash Basics: Creating a Flash Document, Reviewing the Interface, Managing the Workspace. Getting Started: Creating Shapes Using the Primitive Tools, Drawing with Pen, Pencil and Line Tools, Editing Shapes Using the Selection Tools, Managing Color and Gradients, Importing Files. Working with Graphics: Creating Rectangles Using a Gradient, Drawing Ovals, Creating a Simple Animation, Working with Lines, Manipulating Objects,	05 05	12.03.2021 to 17.03.2021 18.03.2021 To 29.03.2021	PPT presentation for flash basics and used adobe flash player software for graphical design	

	<p>Masking Objects, Testing a Movie.</p> <p>Creating and Editing Symbols: Importing Illustrator Files, About Symbols, Converting Objects to Symbols, Importing Bitmap Images, Adding Bitmaps to a Movie Clip, Symbol Working with Buttons, Adding Transparency.</p>				
2	<p>Unit – II: Creating and Managing Contents with Flash</p> <p>New Document Settings & Navigation: Drawing & Selecting Simple SSC/N0503 20 Vector Shapes, Drawing Curves with the Pen & Pencil Tools, Exploring Other Drawing Tools, Interaction between Shapes, Grouping Objects, Working in Object Drawing Mode.</p> <p>Managing Website Contents: Working with Layers Using Bitmaps, Adding Text, Use the Regular & Primitive Shape, Tools to Build a Graphic, Creating & Adjusting a Symbol,</p>	07	30.03.2021 To 08.04.2021	PPT presentation for Contents of flash and used adobe flash player software for graphical design	Unit Test-I

<p>Transforming Objects with the Free Transform Tool, Exploring Color Types & Gradients Animation Techniques: Importing Slideshow Content, Working in a Movie Clip, Timeline Animating the First Image in the Slideshow, Non-linear Animation Swapping, Objects Using the Distribute to Layers Command, Timeline View Options & Animation Timing,</p>	<p>07</p>	<p>9.04.2021 To 19.04.2021</p>		
<p>Introducing ActionScripts and Behavior Using sound and video: Adding a Sound File to the Timeline, Adding Sound to a Button, Encoding Video for Import into Flash, Set Import Options & Choose a Player Skin, The FLVPlayback Component & Component Inspector, Flash Video for ActionScript 2 & Older Players Publishing your site: Overview of Flash Publish, Settings Compression in Bitmaps & Sounds, Other Flash Publish Settings, HTML Settings, Publishing Your Flash Movie, Uploading Your Site to a Server via FTP Credits</p>	<p>06</p>	<p>20.04.2021 To 27.04.2021</p>		

3	<p>Unit-III Wordpress</p> <p>What is Wordpress?, Setting up wordpress website, How to pick and Register a domain name choosing wordpress hosting for website, Installing wordpress, Things to do after installing wordpress, Managing Contents, creating, editing, publishing and deleting blog posts, Managing comments, Managing pages, use of media library, Creating, editing, deleting navigation menus, how to add remove widgets, Design and Layout, Choosing and installing wordpress theme, Keeping your website update.</p>	08	28.04.2021 To 06.05.2021	PPT presentation for WordPress and used Wordpress Software	--
4	<p>Unit - IV: Woocommerce and Keeping your website update</p> <p>Installing woocommerce, woocommerce compatible themes, Adding and Managing Products, setting up payment Methods,</p> <p>Manage woocommerce shop, why should always update website, how to update wordpress installation how to update wordpress theme.</p>	05	21.05.2021 To 26.05.2021		Unit Test-II
		05	27.05.2021 To 31.05.2021		

Rajarshi Shahu Mahavidyalaya, (Autonomous), Latur

Teaching Plan (Semester-III) 2020-2021

1. Details of Classes to be taught

Sr. No.	Class	Name of Asst. Prof.	Subject	Paper	Total Lecturers:
1	B.Voc (SY)	Miss. P.S. Latoriya	Computer Science	CT.GE.402 Basics of Networking	60 (Credit 4)

2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date	Academic activities to be organized	No. of Test / Assignment with topic and date
1	<p>UNIT I: Introduction to Communication and Networks</p> <p>Concept of communication system, Analog and Digital Communication, Data communication modes, Synchronous and Asynchronous transmission, Simplex, half-duplex, full-duplex communication, Networking Protocols and Standards, Layering, encapsulation, End-to-end argument. Protocol design issues, Network Applications.</p> <p>What is a computer Network? Components of a computer network, Use of Computer networks, network terminologies, Classification of networks, Network topologies: Bus, Ring, Mesh,</p>	07	12.03.2021 To 19.03.2021	PPT presentation of Communication and networks	--
		07	22.03.2021 To 30.03.2021		

	Design issues of Physical layer and data link layer, Error detection and correction, CRC, Framing, Retransmission strategies, Multi access communication, CSMA/CD, Ethernet, Addressing, ARP and RARP. Protocols for Physical and data link layer.	05 05	26.04.2021 To 30.04.2021 1.05.2021 To 4.05.2021	Data Link Layer	
4	UNIT IV: Network, Transport and Application layer Network Layer: Circuit and packet switching, Routing, Congestion control, Routing protocols: distance vector vs link-state routing, DV problems, Network Addressing, Forwarding, Fragmentation, Error Messaging Services. Transport Layer: Addressing and multiplexing, Flow control, Congestion control, Data transport, Port numbers, service models, Intro to reliability, QoS. Application Layer: DNS, Remote Logging, File transfer, Network Management, client-server applications, WWW, E-mail, MIME	07 08	5.05.2021 To 10.05.2021 11.05.2021To 15.05.2021	PPT Presentation on Network, transport, application layer.	Unit test-II

Teaching Plan (Semester-III) 2020-2021

1. Details of Classes to be taught

Sr. No.	Class	Name of Asst. Prof.	Subject	Paper	Total Lecturers:
1	B.Voc. (SY)	Miss.P.S. Latoriya	Computer Science	CT.SC.403 Data Structure and Algorithms	60 (Credit 4)

2. Summary of Lesson Plan

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date	Academic activities to be organized	No. of Test / Assignment with topic and date
1	<p>UNIT I: Introduction to Algorithms and Data Structures</p> <p>Analysis of Algorithms Mathematical Background, Process of Analysis, Calculation of Storage Complexity, Calculation of Run Time Complexity.</p> <p>Arrays Arrays and Pointers, Sparse Matrices, Polynomials, Representation of Arrays, Row Major Representation, Column Major Representation, Applications, Array operations.</p>	<p>05</p> <p>05</p> <p>05</p>	<p>12.03.2021 To 17.03.2021</p> <p>18.03.2021 To 23.03.2021</p> <p>24.03.2020 To 29.03.2021</p>	<p>PPT presentation of Analysis of Algorithm. And implementation of array on turbo c</p>	--

	Traversals, Recursive Implementation of Binary Tree Traversals, Non Recursive Implementations of Binary Tree Traversals, Applications. Graphs Definitions, Shortest Path Algorithms, Dijkstra's Algorithm, Graphs with Negative Edge costs, Acyclic Graphs, All Pairs Shortest Paths Algorithm, Minimum cost Spanning Trees, Kruskal's Algorithm, Prims's Algorithm, Applications, Breadth First Search, Depth First Search, Finding Strongly Connected Components	07	27.04.2021 To 04.05.2021		
		06	05.05.2021 To 10.05.2021		
4	Unit IV - Searching and Sorting Searching Linear Search, Binary Search, Applications. Sorting Selection Sort, Insertion Sort, Bubble Sort, Quick Sort, 2-way Merge Sort, Heap Sort.	05	11.05.2021 To 13.05.2021	PPT Presentation on Searching and Sorting. Demonstration of all the types of Sorting.	Unit Test- II
		05	14.05.2021 To 15.05.2021		

Teacher

Head of Department

Principal