		BAGA	ARIA B.	AL VIDYA NIKETAN			
LAXMANGARH-SIKAR							
	8	SYLLABU	S & LE	SSON PLANNER-2022-23			
Class:-	XII						
Subject:-	IP						
Teacher Name:-	Madhusudan Sharma						
		1.1	5	YLLABUS			
Ch.No	Name of Chapter	working day	Period	Торіс	Month	Week	
				introduction		3	
		10		Using Pandas	Sep	3	
	Python Pandas- I			Pandas Data structure		3	
				series data structure		3	
				accessing a series object and its elements		3	
				operations on series object		3	
				series objects vs. ID data structures and 1D Numpy arrays		3	
1			10	dataframe data structure		4	
				creating and displaying a data frame		4	
				data frame attributes		4	
				dataframe vs. series and 2D numpy arrays selecting or accessing data adding/ Modifying rows/ columns values in dataframes		4	
						4	
						4	
				deleting/ Renaming columns/ rows		4	
				more on dataframe indexing		4	
				introduction	Oct		
				iterating over a dataframe		1	

			1		1	
				binary operations in a dataframe		1
				descriptive statistics with Pandas		1
2	Python Pandas- II	25	34	some other Essential Functions and Functionality		1
				advanced Operations of dataframe		1
				Handling Missing Data		2
				Combining Data Frames		2
				Function Groupby()		2
				introduction]	2
				Using Pyplot of Matplotlib Library- Installing and Improving Mathplotlib	Nov	2
				working with Pyplot Methods	-	3
				Creating Line Charts and Scatter Charts		3
3	Plotting with PyPlot			Creating Bar and Pie Charts		3
				Customizing the Plot		3
				Creating Histograms with Pyplot		4
				Creating Frequency Polygons		4
				Creating Box Plots		4
				Plotting data from a dataframe	1	4
				introduction		1
	Importing/ Exporting Data Between CSV Files/ My SQL	21	28	transferring data between .csv files and dataframes	Dec	2
4				transferring data between dataframes and MySQL		3
				Exporting dataframes data as a table in MySQL database		4
				introduction		2
				Relational data Model		2
				MySQL - A RDBMS		2
				Accessing database in MySQL		2
				Creating Tables in MySQL		2

				Inserting data in Tables	1	3
					-	3
5	MySQL SQL Revision Tour	21	27	Making Simple Select Queries	-	3
				Creating Tables with SQL Constraints	-	3
				Viewing a table structure	April	3
				inserting data into another tables	-	4
				modifying data in tables		
				deleting data from tables	-	4
				altering tables	_	4
				dropping tables	-	4
				introduction	-	4
6	MySQL Functions			text/ string functions	-	4
0				Numeric Functions	_	4
				Date/ Time Functions		4
				introduction	_	1
7 Quer		17	23	Ordering Records in Result - Order By Clause	Мау	1
	Querying Using SQL			Aggregate Function		1
				Types of SQL Functions		2
				Groupping Result- Group By		2
				introduction		3
	Joins and Set Operations	9	11	Joining Tables	 Jun 	3
				Unrestricted and restricted join		3
				using table alias		4
0				joining more than two tables		4
8				equi - non equi joins		4
				Natural joins		4
				performing SET operation- Union, Minus, Intersect Operator		4
				introduction		1

				Types of Networks		2
9	Introduction to Compuer Networks	26	22	Network Topology- Point to point, star, ring, mesh, bus, tree, fully connected	july	3
				factors to consider for topolofy selection		4
				network devices- modem, hub, switch, repeater, bridge,		4
				introduction		1
				Internet		1
		23		WWW	august	1
				web server		1
				URL		1
10	Intruduction to Internet and Web		31	Website		2
	Web			Web Page		2
				Web Browser		2
				Internet Applications		3
				Chat		3
				VoIP		3
				introduction		3
				Digital Footprint		4
	Societal Impacts			Net and communication Etiquettes	-	4
				Etical Issues- Intellectual property rights, Plagiarism		4
11				Open Source Philosophy		4
				Copyright and other license		4
				Cyber Crime		4
				Cyber Law and IT act		4
				E-waste management		4
				Health concerns with technology usage		4
				introduction		1

				Threats to Data		1
		25		Computer virus	Sep	1
			34	spyware		1
12 [Data Protection 2			adware		1
				spamming		2
				PC Intrusion		2
				Evasdropping		2
				Phishing and Pharming		2
				Cookies		2
				data protection solutions		2
				Firewall - An important solution for Computer Security		
						2