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Faculty Name	Course Name	Paper Name	Sem este r	Section	Month	Topics/Unit	course planned %	Comple tion (%)	CT TOOLS USED	Remarks
Mr. Rukesh Yadav		(Physical operating systems IV Feb			Jaunary	Introduction O.S. dedfinition and his nurpose. OS structure, OS Operations Duol and Multi-mode. OS as resource manager	10	-0	PROJECTOR	
	B.Sc (Physical Science) with		Feburary	Device Management information maintenance. System programs itypes of OS structures. Process management in process life cycle is scheduling algorithms itypes. Critical Section problem	35	35	PROJECTOR			
					March	physical address space, contiguous memory allocation. MFT MVT, first fit best fit and worst fit algorithms. Non contigous memory Precystem concepts, me automous, me access	30	30	PROJECTOR	
					April	Methods Directory structure, single,two and tree structure. Acyclic graphs Directories. Mass storage structure, magnetic disks and magnetic	20	20	PROJECTOR	and the second
Ms. ^D roeti Sharma				a suppression of the contract	Jan uary	Definition of ADT, Arrays definition and operations, Stacks and Queues	20	20	Programmiz Online Compiler	manufacture conditions and statement of the statement of
	B.Sc Physical Science with CS	Data Structur es	Ĩ!	The second secon	Feburary	Sorting Methods - Insertion, Selection, Quicksort, Mergesort, - Time Complexity Analysis	30	30	Amendation of the Control of the Con	and a second sec
	0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -				March	Linked lists, Linked Stacks and Queues, Deque,	20	20	Online Comiler	
	To see the second			3	April	Growth of Functions, Recurrence Relations	30	50	Kahoot	

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					January	Introduction to data analysis, Creating and Manipulating NumPy arrays; creating arrays, indexing and slicing, mathematical operations with NumPy arrays	20	20	Projector/ Presentations / Google Colab	
Vasal Scie	B.Sc Physical Science with CS (DSE)				Feburary	Data Manipulation with Pandas: Series and DataFrame objects: importing and exporting data from various file formats into pandas DataFrame; Data selection and filtering-indexing, slicing, conditional filtering using boolean indexing	30	30	Projector/ Presentations / Google Colab	
					March	Data Cleaning- handling missing data in Pandas and outlier detection.Data Manipulation-sorting, reshaping, merging. Grouping and Aggregation with Panda	25	25	Projector/ Presentations / Google Colab	
					April	Data Visualization with Matplotlib, Seaborn and Plotly:Plots - Line plots, scatter plots, and bar plots, Visualizing distributions using histogram and box plots,	25	25	Projector/ Presentations / Google Colab	
					January	Introduction to basic statistics and analysis: Fundamentals of Data Analysis, Numpy	20	20	Projector/ Presentations / Google Colab	
Ms. Abha	GE	Data Analysis	II		Feb urary	Data Manipulation using Pandas: Data Structures in Pandas: Series, Data Frame, Index objects, loading data into Panda's data frame, Working with Data Frames: Arithmetics, Statistics	25	25	Projector/ Presentations / Google Colab	
Vasal		Visualization Using Python			March	Handling missing data, Hierarchical indexing, Data wrangling	25	25	Projector/ Presentations / Google Colab	
				·	April	Using Matplotlib, Seaborn library to plot data: Lines, bar, Scatter plots, histograms, stacked bars, Heatmap	30	30	Projector/ Presentations / Google Colab	Case study was demonstra

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				January	Introduction to MS Word	20	10	using Projector	
					Tables, Mail Merge and introduction to MS			Demonstartion	
Ms. Abha				Feburary	Excel	30	35	using Projector	
Vasal	SEC	Basic IT	11		Formulas. Pivot charts . conditional formatting				
v asa!		Tools			in Excel. Introduction to powerpoint			Demonstartion	
				March	presenation	30	35	using Projector	1
					Creating database using MS Access- creating		į.	Demonstartion	į
	-	-		April	form and reports in access	20	20	using Projector	
					Unit 1 Introduction to basic statistics and			LCD Projector,	
					analysis: Fundamentals of Data Analysis,			Online	1
			İ		Statistical foundations for Data Analysis, Types		1	Compiler/Simulator	
					of data, Descriptive Statistics, Correlation and			, Power Point	1
				January	covariance, Linear Regression, Statistical	20	20	Presentation,	-
		Data Analysis	1		Unit 2 Array manipulation using Numpy:			LCD Projector,	
Dr. K.K.S.		&			NumPy array: Creating NumPy arrays, various			Online	
Gautam	GE	Visualization	Н		data types of NumPy arrays			Compiler/Simulator	
		Using Python		Feburary	Indexing and slicing, swapping axes,	30	30	, Power Point	
		Osnig Python			Structures in Pandas: Series, Data Frame, Index			Online	
					objects, loading data into Panda's data frame,			Compiler/Simulator	
				March	Working with Data Frames: Arithmetics, Unit 4 Plotting and Visualization: Using	25	25	, Power Point	
					Matplotlib to plot data: figures, subplots,			LCD Projector,	
					markings, color and line styles, labels and			Online	
				April	legends, Plotting functions in Pandas: Lines,			Compiler/Simulator	-
				1 1	regenos, Flotting functions in Pandas: Lines,	25	25	, Power Point	
									- No.
					Introduction to three tier web application				
}					development, software requirements, PHP in			PowerPoint	1
					web applications, basics of PHP, variables,			Presentation,	Î
				January	operators expressions, decision making based on	20	20	Projector	
1				1 1	conditions loops approximating based on				
Ms.	B.Sc Physical	PhP			conditions, loops, operator precedence, scope				
Yogesh	Science with	Programming	VI		of variables, local, global and superglobal				1.
Kumari	CS (SEC)	riogramming		Feburary	variables, functions and objects, passing arguments				i i
		1		reburary	arguments	30	30	Projector, PowerPoint	-
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		1			forms, get and post method, processing of				i
		1		March	data, use of regular expressions	25	25	Projector, PowerPoint	, i
	1					-			
	1				connecting PHP and DBMS, accessing data				- 1
				April	stored in table	25	25	Projector, PowerPoint	- 1

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				January	Introduction to HTML, planning a website, WW/W, web browsers, DNS, tags in HTML, links, table	20	20	online websites, Projector
Mis. Yogesh	GE	Introduction	1		frames, adding images, CSS, internal and external linking, website layout, class			Projector, PowerPoint,
Kumari	GE	to Web	IV	Feburary	attributes, ID selectors	30	30	websites
Kuttleri		Programming		March	Javascript Document object Model, logical opertors in Javascript	25	25	Projector, PowerPoint
							23	Projector, rower onc
				April	JavaScript event handlers, Jquery and Json	25	25	Projector, PowerPoint
				January				
					communications and networking, use of Computer Networks, classification of networks, OSI model, function of the layers, TCP/IP Protocol suite. Network Topologies:			
				Feburary	Bus, star, ring, mesh, tree, hybrid topologies with their features, advantages	20		Projector and Power Point
Mr. Pawan Kumar	B.Sc (Physical Science) with CS	Comouter	VI	Courally	Transmission Modes: simplex, half duplex and full duplex, Transmission Media: Guided Media (Wired) (Twisted pair, Coaxial Cable, Fiber Optics. Unguided Media (Radio Waves, Infrared, Micro-wave, Satellite). Data	30	30	Presentations
				March	Communication and Switching Techniques: Framing, flow control, error control, circuit switching, message switching, packet	35	35	Projector, Power Point Presentations and DEV CPP
The state of the s					Switching Devices: Repeaters, hubs, switches, bridges, routers, gateways. Multiplexing: (FDM, WDM, TDM), Internet: Internet Service Providers (ISP), internet addressing system: IP address with their	33	33	Projector, Power Point Presentations.
				April	classification and notation, application layer protocols: (DNS, URL, WWW, FTP, SMTP,	35	35	Notepad++ and DEV CPP
1				January				
Mr. Pawan Kumar	SEC	Basic IT Tools	1	Feburary	MS Excel: Introduction to Spreadsheets, data analysis techniques in spreadsheets	40	40	Projector and MS Excel
				March	Complete Word Processing	30	30	Projector and MS Word
				April	Databsese: MS Access	30	30	Projector and MS Access

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