R	AG	ART	A RAT	VIDVA	NIKITAN
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## LAXMANGARH-SIKAR

## SYLLABUS & LESSON PLANNER-2022-23

Class:- XI

Subject:- IP

Teacher Name:- Madhusudan Sharma

			<b>YLLABU</b>	ABUS					
Ch.No	Name of Chapter	working day	Period	Topic	Month	Week			
				Introduction		3			
	Computer System		-	Computer System		3			
				Computer Organisation		3			
				Input and Output Units	June	3			
				The CPU	June	4			
				The Memory Unit		4			
1		9	9 Cache Memory		4				
1		3	11	The Storage Unit		4			
				The System Bus	July	1			
				Computer System & Data		1			
				System Software		1			
				Application Software		2			
				Proprietary Software		2			
				Open Source Software		2			
		26	21	Introduction		3			
				Python - Pluses		3			
2	Getting Started with Python			Python Some Minuses		4			
				working in Python (Spyder)		4			
				Understanding First Program /script		4			
				Introduction		1			

Tokens					Duthon Character Set		1
Reywords Identifier Literals Operators Punctuators Barebones of Python Program Variables and Assignments Creating a variable, Multiple assignment Variable definition Dynamic Typing Simple input and Output reading numbers output through print() function Introduction Data Types- Numbers, Strings, List and Tuples, Dictionaly Mutable and Immutable Types Operators - Arithmatic, Relational, Identity, Logical Operator Precedence  1 2 2 3 3 4 4 Data Handling 25 34 Operator Precedence							
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Python Fundamentals  23  Python Fundamentals  23  Punctuators  Barebones of Python Program  Variables and Assignments  Creating a variable, Multiple assignment  Variable definition  Dynamic Typing  Simple input and Output  reading numbers  output through print() function  Introduction  Data Types- Numbers, Strings, List and Tuples, Dictionaly  Mutable and Immutable Types  Operators - Arithmatic, Relational, Identity, Logical  Operator Precedence  2  Aug  2  Aug  2  Aug  1  Aug  2  Aug  1							
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	4	Data Handling	25	34	Operator Precedence		2
Expression- Evaluating Expressions 2					Expression- Evaluating Expressions		2
Type Casting 2					Type Casting		2
working with math module of Python Sep 2					working with math module of Python	Sep	2
debugging- Errors in Program 3					debugging- Errors in Program		3
Introduction 3							3
Types of statements in Python 3					Types of statements in Python		3
							3
Flow of Control 25 34 the If statement of Python- if, if-else, if-elif, nested if 4	5	Flow of Control	25	34			4
repetition of Tasks- a Necessity 4							4

				The range( ) function		4
				Iteration/ Looping Statements- for, nested, while	Oct	
				Introduction	Oct	
				Creating and Accessing a lists		1
				List operations- Joining, repeating, slicing		1
				Making True copy of lists		1
				list functions and methods		1
6	List Manipulation	21	27	a list can contain lists as elements		2
	2.00			working with lists (list manipulation)	Nov	2
				Appending elements to a list		2
				Inserting an element in list		3
				modifying elements to a list		3
				deleting an element from list		4
				sorting a list		4
				Introduction		1
				dictionary- Key:Value pairs		1
		24	16	Creating, Accessing a dictionary		1
				Characterstics of a dictionary		1
				working with dictionaries- Multiple way to create diction		1
7	Dictionaries			adding elements, Updating, Deleting, checking for exister		2
				preety printing		2
				Dictionary function and methods		2
				get length		2
				creating new dictionary		2
				accessing items, keys and values		3
				extend/ Update dictionary		3
				deleting elements from dictionary		3
				Introduction		3
				what is data and its purpose?		4

		22	20	Importance of data,		4
8	Understanding Data	23	30	types of data		4
				data processing Cycle		4
				basics statistical techniques of data processing		4
				Introduction		1
				Numpy Array- Anatomy, Anupy vs Python List		1
				Numpy Data Types		2
9	Working with Numpy	24	18	Creating Numpy Array- 1D, 2D, Internally Stored Data	Jan	2
				Working with Numpy array- Accessing, Modifying, Slicing		3
				Arithmetic Operation on ID, 2D		3
				Using functions with Numpy arrays- count(), mode()		4
				Introduction		1
				File Based System		1
				Introducing database system- DBMS, Converting, Key Co		1
10	Database Concepts	23	30	RDBMS		1
10	Butubuse Concepts	23	30	Relational Model Terminology		1
				Brief History of MySQL		2
				MySQL Database System		2
				MySQL and SQL		2
				Introduction		2
				MySQL Elements- Literals, data types, Null values, Comm		2
				SQL command Syntax		3
				databases in MySQL- Creating, Opening, removing datab		3
11	Structured Query Language			Creating Tables	Feb	3
				Inserting data in Tables		3
				Making Simple Select Queries		3
				More DML commands		4
				More DDL commands		4
				Introduction		4

		Artificial Intelligence		4
	Emerging Trends		4	_
		Robotics		4
12		Big Data		4
12		Internet of things		4
		Cloud Computing		4
		Grid Computing		4
		Blockchain Technology		4