Teaching Plan For The Academic Year : 2023-2024

Faculty Name	Course Name	Paper Name	Semester	Section	Month(s)	Topics/Units	Total Course (%)	Course Completed (%)	ICT Tools Used	Any Remarks	Saved On
Mr. KRISHAN KANT SINGH GAUTAM	----	Sem. III - Comp. Science (Generic)	Odd Semester	None	August	Introduction to Database: Database, characteristics of database approach, data models, database management system	10	10	PPT	Done	2nd January, 2024
Mr. KRISHAN KANT SINGH GAUTAM	----	Sem. III - Comp. Science (Generic)	Odd Semester	None	September	Three-schema architecture, components of DBMS, data independence, and file system approach vs. database system approach. Entity Relationship Modelling: Conceptual data Modelling - motivation, entities, entity types, attributes, relationships, relationship types, constraints on relationship. Entity Relationship diagram as conceptual data model.	30	30	PPT	Done	2nd January, 2024
Mr. KRISHAN KANT SINGH GAUTAM	----	Sem. III - Comp. Science (Generic)	Odd Semester	None	October	Relational Data Model: Data anomalies, Relational Data Model - Characteristics of a relation, schema-instance distinction, types of keys, relational integrity constraints. Relational algebra operators like selection, projection, cartesian product, join and write simple queries using them. Structured Query Language (SQL): DDL to create database and tables, table constraints, DML, querying in SQL to retrieve data from the database, aggregation functions group by and having clauses, generate and query views.	30	30	PPT	Done	2nd January, 2024
Mr. KRISHAN KANT SINGH GAUTAM	----	Sem. III - Comp. Science (Generic)	Odd Semester	None	November	Database Design: Mapping an Entity Relationship diagram to corresponding relational database scheme: functional dependencies and Normal forms, 1NF, 2NF, and 3NF decompositions and desirable properties of them.	30	30	PPT	Done	2nd January, 2024
Mr. KRISHAN KANT SINGH GAUTAM	----	Sem. III - Comp. Science (Generic)	Odd Semester	None	December	Revison and Make-up Test	0	0.1	PPT	Done	2nd January, 2024
Mr. RAKESH YADAV	B. Sc. Physical Science (C.S.) III	COMPUTER SYSTEM ARCHITECTURE	Odd Semester	None	August	DICITAL COMPUTERS, GATES, BOOLEAN ALGEBRA AND COMBINATIONAL CIRCUITS	10	10	PROJECTORS AND LAP TOPS	SATISFACTORY	2nd January, 2024
Mr. RAKESH YADAV	B. Sc. Physical Science (C.S.) III	COMPUTER SYSTEM ARCHITECTURE	Odd Semester	None	September	KARNAUGH MAPS, FLIP FLOPS, SEQUENTIAL CIRCUITS , DECODERS ENCODERS MULTIPLEXORS AND REGISTERS , NUMBER SYSTEMS BINARY OCTAL AND HEXADECIMAL	30	30	PROJECTORS AND LAP TOPS	ONE TEST AND ONE ASSIGNMENT GIVEN	2nd January, 2024
Mr. RAKESH YADAV	B. Sc. Physical Science (C.S.) III	COMPUTER SYSTEM ARCHITECTURE	Odd Semester	None	October	Operations, Control and instructions: Computer registers, general Register organization, stack organization arithmetic and logical micro-operations, instruction format, Instruction format illustration using single accumulator organization. Micro programmed control vs hardwired control, and instruction set and their completeness, Timing and control, Instruction cycle, memory reference instructions and their implementation using arithmetic, logical, program control, transfer and input output micro operations, interrupt cycle	30	30	PROJECTORS AND LAP TOPS	DISCUSSION ON TEST AND ASSIGNMENT	2nd January, 2024
Mr. RAKESH YADAV	B. Sc. Physical Science (C.S.) III	COMPUTER SYSTEM ARCHITECTURE	Odd Semester	None	November	Addressing modes, zero address instructions, one address instructions, two address instructions, and three address instructions Peripheral Devices: I/O interface, I/O vs. Memory Bus, Isolated I/O, Memory Mapped I/O, Direct memory Access, Input - Output Organization	30	30	PROJECTORS AND LAP TOPS	second TEST AND secondASSIGNMENT GIVEN	2nd January 2024
Ms. ABHA VASAL	B. Sc. Physical Science (C.S.) III	PYTHON PROGRAMMING FOR DATA HANDLING	Odd Semester	None	September	Introduction to Python Programming,Control Structures- if statements, loops, Strings, Functions	35	35	Projector, Pydroid 3 app, Google colab	----	1st January, 2024

Scanned with CamScanner

Faculty Name	Course Name	Paper Name	Semester	Section	Month(s)	Topics/Units	Total Course (%)	Course Completed (%)	ICT Tools Used	Any Remarks	Saved On
Ms. ABHA VASAL	B. Sc. Physical Science (C.S.) III	PYTHON PROGRAMMING FOR DATA HANDLING	Odd Semester	None	October	Lists-indexing, slicing, traversal, operations; tuples, Dictionaries, and sets and their operations in Python Exception handling	35	35	Projector, Python coding using Pydroid 3 app, Google colab	----	1st January, 2024
Ms. ABHA VASAL	B. Sc. Physical Science (C.S.) III	PYTHON PROGRAMMING FOR DATA HANDLING	Odd Semester	None	November	Designing GUI Applications with Tkinter, Combining Python file handling and Tkinter: Creating a simple Tkinter application, Reading and writing to csv files in a Tkinter application	30	35	Projector, Pydroid 3 app, Google colab	----	1st January, 2024
Ms. ABHA VASAL	----	Sem. I - Computer Science (Generic)	Odd Semester	Section A	August	Unit 1 Introduction to Programming	10	5	Projector, Pydroid 3 app, Google colab	----	31st December, 2023
Ms. ABHA VASAL	----	Sem. I - Computer Science (Generic)	Odd Semester	Section A	September	Unit 2 Creating Python Programs- Control Structures and Strings	30	30	Projector, Pydroid 3 app, Google colab, Code visualization through PythonTutor	----	31st December, 2023
Ms. ABHA VASAL	----	Sem. I - Computer Science (Generic)	Odd Semester	Section A	October	Unit 3 Functions and Built-in data structures - Lists, Tuples	30	35	Projector, Pydroid 3 app, Google colab, Code visualization through PythonTutor	----	31st December, 2023
Ms. ABHA VASAL	----	Sem. I - Computer Science (Generic)	Odd Semester	Section A	November	Unit 3 Built-in data structures- Sets, Dictionary. Unit 4 File and exception handling	30	30	Projector, Pydroid 3 app, Google colab, Code visualization through PythonTutor	----	31st December, 2023
Ms. PREETI SHARMA	B. Sc. Physical Science (C.S.) V	DATA STRUCTURES	Odd Semester	None	August	Introduction to Data Structures, Arrays - Row major Column major representation, Scarse Arrays,linear and binary search	20	20		----	6th January 2024
Ms. PREETI SHARMA	B. Sc. Physical Science (C.S.) V	DATA STRUCTURES	Odd Semester	None	September	Sorting-Bubble,selection,insertion,merge and quick sort Stacks-implementation using Arrays,infix prefix and postfix expressions,conversion of infix to postfix using stacks	30	30	Kahoot	----	6th January, 2024
Ms PREETI SHARMA	B. Sc Physical Science (C.S.) V	DATA STRUCTURES	Odd Semester	None	October	-Queues- simple circular and priority , implementation using Arrays., Introduction to linked list,single double and circular,implementation of stacks and queues using linked lists	25	25		----	6th January, 2024
Ms PREETI SHARMA	B. Sc Physical Science (C.S.) V	DATA STRUCTURES	Odd Semester	None	November	Recursion- solutions to simple problem, advantages and disadvantage of Recursion. Trees as a Data structure,Binary Trees . Binary Search Trees, Creation and Traversal techniques	25	25	Kahoot and Google forms	----	6th January, 2024
Ms. RITU MEENA	B. Sc Physical Science (C.S.) V	WEB DESIGN USING HTML5	Odd Semester	None	August	Introduction to HTML: What is HTML, HTML Documents, Basicstructureofan HTML document,creatinganHTML document,markuptags,heading-paragraphs,linebreaks, HTML tags	15	15		----	2nd January, 2024
Ms. RITU MEENA	B. Sc Physical Science (C.S.) V	WEB DESIGN USING HTML5	Odd Semester	None	September	ElementsofHTML, introduction toelementsofHTML,working withtext,lists,tables,frames,hyperlinks, images,multimedia, forms and controls.	20	20		----	2nd January 2024
Ms. RITU MEENA	B. Sc Physical Science (C.S.) V	WEB DESIGN USING HTML5	Odd Semester	None	October	Introduction to Cascading Style Sheets: Concept of CSS, Creating Style Sheet, CSS Properties, CSS Styling(Background, Text Format, Controlling Fonts), Working with Block elements and objects, Working with Lists and Tables, CSS Id and Class, Box Model(Introduction, Border properties, Padding Properties, Margin properties).	30	30		----	2nd January 2024

Scanned with CamScanner

Faculty Name	Course Name	Paper Name	Semester	Section	Month(s)	Topics/Units	Total Course (%)	Course Completed (%)	ICT Tools Used	Any Remarks	Saved On
Ms. RITU MEENA	B. Sc. Physical Science (C.S.) V	WEB DESIGN USING HTML5	Odd Semester	None	November	CSS Advanced: CSS Advanced (Grouping, Dimension, Display, Positioning, Floating, Align, Pseudo class, Navigation Bar, Image Sprites, Attribute sector), CSS Color.	20	20			2nd January, 2024
Ms. RITU MEENA	B. Sc. Physical Science (C.S.) V	WEB DESIGN USING HTML5	Odd Semester	None	December	Web Designs: Creating page Layout and Site Designs.	15	15			2nd January 2024
Ms. RITU MEENA	----	Sem. I - Computer Science (Generic)	Odd Semester	Section B	September	Unit 1 Introduction to Programming	20	20			2nd January, 2024
Ms. RITU MEENA	----	Sem. I - Computer Science (Generic)	Odd Semester	Section B	October	Unit 2 Creating Python Programs	30	30			2nd January, 2024
Ms. RITU MEENA	----	Sem. I - Computer Science (Generic)	Odd Semester	Section B	November	Unit 3 Built-in data structures	30	30			2nd January, 2024
Ms. RITU MEENA	----	Sem. I - Computer Science (Generic)	Odd Semester	Section B	December	Unit 4 File and exception handling	20	20			2nd January, 2024
Ms. YOGESH KUMARI	B. Sc. Physical Science (C.S.) I	PROGRAMMING FUNDAMENTALS USING C++	Odd Semester	None	August	introduction to programming, headerfiles, namespace, cin , cout, return statements, basic data types and their size	5	0	Powerpoint, kahoot	----	2nd January 2024
Ms. YOGESH KUMARI	B. Sc. Physical Science (C.S.) I	PROGRAMMING FUNDAMENTALS USING C++	Odd Semester	None	September	creating constants, token, identifiers, function, type of arguments, function overloading, scope resolution operator, if else, switch, for loop, while loop, break statement, manipulators	20	0	Powerpoint	----	2nd January, 2024
Ms. YOGESH KUMARI	B. Sc. Physical Science (C.S.) I	PROGRAMMING FUNDAMENTALS USING C++	Odd Semester	None	October	exception handling, try catch block, call by value and call by reference, pointers	20	20	Powerpoint	----	2nd January 2024
Ms. YOGESH KUMARI	B. Sc. Physical Science (C.S.) I	PROGRAMMING FUNDAMENTALS USING C++	Odd Semester	None	November	class, object, constructor, copy constructor, parametrized constructor, destructor, array, array of objects, do while, file handling	36	36	Powerpoint	----	2nd January 2024
Ms. YOGESH KUMARI	B. Sc. Physical Science (C.S.) I	PROGRAMMING FUNDAMENTALS USING C++	Odd Semester	None	December	inheritance, type of inheritance, visibility mode, inline function, static member functions, programs of array, sequence of constructor and destructor calling, string, run time and compile time polymorphism.	19	19	Powerpoint, kahoot	----	2nd January 2024
Ms. YOGESH KUMARI	B. Sc. Physical Science (C.S.) I	PROGRAMMING FUNDAMENTALS USING C++ - NEP	Odd Semester	None	August	introduction to programming, headerfiles, namespace, cin , cout, return statements, basic data types and their size	5	5	projector, powerpoint	----	25th September 2023
Ms. YOGESH KUMARI	B. Sc. Physical Science (C.S.) I	PROGRAMMING FUNDAMENTALS USING C++ - NEP	Odd Semester	None	September	creating constants, token, identifiers, function, function overloading, scope resolution operator, if else, switch, for loop, while loop, break statement, manipulators	20	20	projector, powerpoint	----	25th September 2023

Scanned with CamScanner