

Lesson Plan July-Dec 2018

Name: Ankita

Class: BCA 1st Sem

Subject: PC SOFTWARE

Paper Code: BCA-102

Month	Syllabus to be covered
16 July to 21 July	Unit-I: MS-Windows: Operating system-Definition & functions,
23 July to 28 July	Basics of Windows. Basic components of windows, icons, types of icons, taskbar, activating windows,
30 July to 4 Aug	Using desktop, title bar, running applications, exploring computer, managing files and folders, copying and moving files and folders.
6 Aug to 11 Aug	Control panel – display properties, adding and removing software and hardware, setting date and time,
13 Aug to 18 Aug	Screensaver and appearance. Using windows accessories.
20 Aug to 25 Aug	Unit-2 Documentation Using MS-Word - Introduction to word processing interface, Assignment-1
27 Aug to 1 Sep	Toolbars, Menus, Creating & Editing Document, Formatting Document, Finding and replacing text, Format painter, Header and footer, Drop cap, Auto-text,
3 Sep to 8 Sep	Autocorrect, Spelling and Grammar Tool, Document Dictionary, Page Formatting, Bookmark, Previewing and printing document, Advance Features of MS-Word-Mail Merge, Macros, Tables Test 1: Unit 1 and 2
10 Sep to 15 Sep	File Management, Printing, Styles, linking and embedding object, Template. Unit-3 Electronic Spread Sheet using MS-Excel - Introduction to MS-Excel, Cell, cell address, Creating & Editing Worksheet
17 Sep to 22 Sep	Formatting and Essential Operations, Moving and copying data in excel, Header and footer, Formulas and Functions, Charts, Cell referencing,
24 Sep to 29 Sep	Advance features of MS-Excel-Pivot table & Pivot Chart, Linking and Consolidation, Database Management using Excel-Sorting, Filtering, Validation, Assignment 2
1 Oct to 6 Oct	Page setup, Macros, What if analysis with Goal Seek, Conditional formatting Unit-4: Presentation using MS-PowerPoint: Presentations, Creating,
8 Oct to 13 Oct	Manipulating & Enhancing Slides, Organizational Charts, Excel Charts, Word Art, Layering art Objects,
15 Oct to 20 Oct	Animations and Sounds, Inserting Animated Pictures or Accessing through Object,
22 Oct to 27 Oct	Inserting Recorded Sound Effect or In-Built Sound Effect.
29 Oct to 3 Nov & 5 Nov	Revision Test 2-Unit 3 and 4
6 Nov to 13 Nov	Vacations

Lesson Plan July-Dec 2018

Name: Ankita

Class: MCA 5th Sem

Subject: DATA WAREHOUSING AND DATA MINING

Paper Code: 18MCA35C3

Month	Syllabus to be covered
1 Aug to 4 Aug	Unit-1: Data Warehouse: Need for data warehouse, Definition, Goals of data Warehouse, Challenges faced during Warehouse Construction, Advantages
6 Aug to 11 Aug	Types of Warehouse: Data Mart, Virtual Warehouse and Enterprise Warehouse. Components of Warehouse:
13 Aug to 18 Aug	Fact data, Dimension data, Fact table and Dimension table, Designing fact tables. Pre-requisite Phases: Extract, Transform and load process.
20 Aug to 25 Aug	Warehouse Schema for multidimensional data: star, snowflake and galaxy schemas
27 Aug to 1 Sep	Unit-2: Data warehouse and OLAP technology: Difference between OLTP and OLAP, Strengths of OLAP, Applications of OLAP. Assignment-1
3 Sep to 8 Sep	Multidimensional data models: Data Cubes & Data Cuboids, Lattice. OLAP operations: Advantages
10 Sep to 15 Sep	Multidimensional data models: Data Cubes & Data Cuboids, Lattice. OLAP operations: Advantages, Types: Roll up, Drill down, Pivot, Slice & Dice operations, Applications.
17 Sep to 22 Sep	OLAP Server: Need, Types: ROLAP, MOLAP and HOLAP, Features. Data warehouse Implementation, Introduction to Efficient computation of data cubes. Test: Unit 1 and 2
24 Sep to 29 Sep	Unit-3: Data preprocessing: Need, Preprocessing stages: Data integration, Data Transformation, Data Reduction, Discretization and Concept Hierarchy Generation, Data mining primitives, Types of Data Mining, Architectures of data mining systems.
1 Oct to 6 Oct	Data Characterization: Data generation & Summarization based characterization, Analytical characterization, Mining class comparisons. Mining Association Rules in large databases: Association Rule mining,
8 Oct to 13 Oct	Single dimensional Boolean association rules from Transactional DBS, Multi level association rules from transaction DBS, Multidimensional association rules from relational DBS and DWS,
15 Oct to 20 Oct	Multidimensional association rules from relational DBS and DWS, Correlation analysis, Constraint based association mining. Assignment-2
22 Oct to 27 Oct	Unit-4: Classification and Prediction: Basic Classification & Prediction Model, Difference between Classification & Prediction. Classification Algorithms: Decision tree induction, Back propagation, Bayesian classification, classification based in association rules.
29 Oct to 3 Nov & 5 Nov	Prediction Algorithms: Regression approach: Linear & Non Linear regression. Classifier Accuracy & Predictor Error Measures. Cluster analysis: Purpose, Types: Partitioning and Hierarchical methods, Test: Unit 3 and 4

6 Nov to 13 Nov	Vacations
14 Nov to 18 Nov	Density based methods. Applications of Data Mining: Web mining, Temporal and Spatial data mining.
19 Nov to 21 Nov	Revision

Lesson Plan July-Dec 2018

Name: Ankita

Class: B.Sc. (Hons) Zoology

Subject: COMPUTER AND BIOSTATISTICS

Paper Code: PAPER-505

Month	Syllabus to be covered
16 July to 21 July	Unit-1 Computer Fundamentals Introduction to Computers: Characteristics of Computers,
23 July to 28 July	Uses of computers,
30 July to 4 Aug	Types and generations of Computers;
6 Aug to 11 Aug	Basic Computer Organization - Units of a computer
13 Aug to 18 Aug	User Interface with the Operating System,
20 Aug to 25 Aug	System Tools
27 Aug to 1 Sep	Data Representation Binary representation of integers
3 Sep to 8 Sep	Binary representation of integers and real numbers,
10 Sep to 15 Sep	,=1's Complement, 2's Complement,
17 Sep to 22 Sep	Addition and subtraction of binary numbers, BCD, ASCII, Unicode. Assignment-1 Test: Unit 1
24 Sep to 29 Sep	Unit-2: Networks terminology Types of networks,
1 Oct to 6 Oct	router, switch, server-client architecture
8 Oct to 13 Oct	Multimedia Introduction, Characteristics,
15 Oct to 20 Oct	Elements, Applications
22 Oct to 27 Oct	Problem Solving Notion of algorithms, stepwise methodology of developing an algorithm developing macros in spreadsheet
29 Oct to 3 Nov & 5 Nov	General Awareness IT Act, System Security (virus/firewall etc.), I-Tax, Reservations, Banking. Assignment-2 Test: Unit 2
6 Nov to 13 Nov	Vacations