

DEPARTMENT OF COMPUTER SCIENCE
USE OF ICT – E RESOURCES – LIST OF PPT'S
2024-2025

S. No	Course	Topic
Semester I		
1	Fundamentals of Information Technology	Introduction to Computers
2		Memory Unit
3		Input Devices
4		Output Devices
5		Operations Systems
6		Data Communication
7	Basic Computer Skills	Input Devices
8		Types of Computers
9		Memory
10	Problem Solving with Python Programming	Introduction to Python Programming
11		Types of Operators
12		Functions & Strings
13		Lists, Tuples and Dictionaries
14		Introduction to Object Oriented Programming
15		Functional Programming

Semester II		
16	Programming with C & C++	Library Functions in C
17		Storage Classes in C
18	Data Analytics Essentials	Introduction to types of variables
19		Difference between types of variables
20		Probability
21		Probability Distributions
22		Programming Essentials: R
23		Data Structures and Algorithms
24	Time Complexities	
25	Stacks: Applications of Stacks	
26	Queues	
27	Trees	
28	Graphs	
29	Searching and Sorting Algorithms	
Semester III		
30	Relational Data Base Management System	Introduction to Databases
31		Normalisation
32		SQL

33		locks and locking protocol
34		Database recovery & errors
35		Distributed and client-server databases
36		Data replication
37		Data Fragmentation
38	Data Structures using C++	Introduction to Algorithms
39		Bfs and Dfs
40		Binary search tree
41		STACKS
42		CIRCULAR QUEUE
43		GRAPHS
44		DS ANALYSIS OF ALGORITHM
45		EEC C++
46		Representation of expressions
47		Linked Lists
48		Multiple Queues
49		SPANNING TREE
50		PSEUDOCODE AND FLOWCHART
51		RECURSION
52		Relationships among data

53		Stack representation using Array
54		Trees
55	Descriptive Business Analytics	Introduction to Advanced Excel Functions
56		Probability
57		Probability Distributions
58		Marginal and Conditional Probability
59		Data Mining Techniques
60	Introduction to Information Technology	Memory
61		Management Information Systems
62		Multimedia Concepts
63		Internet
64		Types of Internet Connections
65		Excel Functions for Business
Semster IV		
66	Web Technologies	Introduction to HTML
67		Cascading Style Sheets
68		Java Script
69		Event Handling
70		Extensible Markup Language
71		Dimensionality Reduction

72	Predictive Business Analytics	Hypothesis Testing
73		Classification
74		Clustering
75		Time Series
76		Correlation
77		Regression
78	Forecasting and Predictive Analytics	Multiple Linear Regression
79		Classification
80		Naive Bayes
81		Decision Trees
82		Clustering
83		Optimization
84		Markov Chains
Semester V		
85	Management Information system	Management Information System
86		Foundation of Information System
87		Development of MIS
88		Enterprise Resource Planning
89		Collaboration, Impact & Pitfalls in MIS

90	Information Technologies	Information Technologies-Part I
91		Information Technology-Part II
92		Information Technology-Part III
93		Introduction to Emerging Technologies
94		E-mail
95		Introduction to Application security and Counter Measures
96	Mobile Commerce	Introduction To Mobile Commerce
97		Mobile Commerce Technology
98		Wireless Communication
Semester VI		
99	Multimedia Systems	Introduction to multimedia
100		Media and Data Streams
101		Digital image and Animations
102		Data Compression and standards
103		Multimedia Communication System