

P.N. DAS COLLEGE

ACADEMIC CALENDER 2023-24

DEPARTMENT OF COMPUTER SCIENCE

B.Sc. Computer Science (G),

1stSemester(Interdisciplinary)

Computer Fundamentals and programming with C

Sl.No.	Topics	Theoretical (Number of Classes)	Practical (Number of Classes)	Name of the Teacher
1.	Overview of C	5	--	T.R.C
2.	Operators, Expressions and Preprocessor	8	10	
3.	Decision and Loop Control Structure	7	10	
4.	Functions and Arrays	7	10	
5.	Pointers	6	10	
6.	User defined Datatypes and Memory Allocation	6	10	
7.	File Access	6	10	
Total Number of Classes		45	60	

B.Sc. Computer Science (G), 2nd Semester

(Interdisciplinary) Data Structures using C++

Sl.No.	Topics	Theoretical (Number of Classes)	Practical (Number of Classes)	Name of the Teacher
1.	Introduction	5	10	T.R.C
2.	Linked Lists	7	10	
3.	Stacks and Queues	9	10	
4.	Recursion	5	10	
5.	Binary Trees	10	10	
6.	Searching, Sorting and Hashing	9	10	
Total Number of Classes		45	60	

B.Sc. Computer Science (G), 3rd Semester

Paper-III:- Operating Systems

Sl.No.	Topics	Theoretical (Number of Classes)	Practical (Number of Classes)	Name of the Teacher
1.	Introduction	02	--	T.R.C
2.	Types of operating systems	02	--	
3.	Operating System Organization	10	--	
4.	Process Management	15	--	
5.	Scheduling	12	--	
6.	Memory Management	12	--	
7.	Shell introduction and Shell Scripting	07	30	
Total Number of Classes		60	30	

B.Sc. Computer Science (G), 4th Semester

Paper-IV:- Computer System Architecture

Sl.No.	Topics	Theoretical (Number of Classes)	Practical (Number of Classes)
1.	Introduction	12	--
2.	Data Representation and Basic Computer Arithmetic	08	--
3.	Basic Computer Organization and Design	18	--
4.	Central Processing Unit	10	--
5.	Programming the Basic Computer	08	--
6.	Input-Output Organization	04	--
Total Number of Classes		60	30
Name Of The Teacher: T.R.C			

B.Sc. Computer Science (G), 5th Semester

Paper-V:- Programming in JAVA

Sl.No.	Topics	Theoretical (Number of Classes)	Practical (Number of Classes)	Name of the Teacher
1.	Introduction to JAVA	02		T.R.C
2.	Object Oriented Programming Concept	12		
3.	JAVA Programming Fundamental	12		
4.	Classes and Objects	12		
5.	Arrays and Strings	08		
6.	Abstract Class, Interface and Packages	10		
7.	Exception Handling	06		
8.	File Handling	06		
9.	Applet Programming	07		
Total Number of Classes		75	00	

B.Sc. Computer Science (G), 6th Semester

Paper-VI:- Software Engineering

Sl.No.	Topics	Theoretical (Number of Classes)	Practical (Number of Classes)
1.	Software Process	20	--
2.	Software requirements	08	--
3.	Design Concepts and Principles	10	--
4.	Software Configuration Management	10	--
5.	Software Project Management	08	--
6.	Testing	12	--
7.	Trends in Software Engineering	07	--
Total Number of Classes		75	00
Name Of The Teacher: T.R.C			

