

P.N. DAS COLLEGE

ACADEMIC CALENDER

DEPARTMENT OF COMPUTER SCIENCE

B.Sc. Computer Science (G), 1st Semester

Paper-I :- Problem Solving with Computer

Sl.No.	Topics	Theoretical (Number of Classes)	Practical (Number of Classes)
1.	Computer Fundamentals	05	--
2.	Planning the Computer Program	05	02
3.	Techniques of Problem Solving	05	02
4.	Overview of Programming	05	06
5.	Introduction to Python	10	04
6.	Creating Python Programs	10	08
7.	Structures	10	08
8.	Introduction to Advanced Python	10	--
Total Number of Classes		60	30

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

Paper-II:- Database Management Systems

Sl.No.	Topics	Theoretical (Number of Classes)	Practical (Number of Classes)
1.	Introduction to Database Management Systems	10	--
2.	Entity Relationship and Enhanced ER Model	15	08
3.	Relational Data Model	15	08
4.	Database Design	20	14
Total Number of Classes		60	30

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

Paper-III:- Operating Systems

Sl.No.	Topics	Theoretical (Number of Classes)	Practical (Number of Classes)
1.	Introduction	02	--
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

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

Paper-V:- Programming in JAVA

Sl.No.	Topics	Theoretical (Number of Classes)	Practical (Number of Classes)
1.	Introduction to JAVA	02	--
2.	Object Oriented Programming Concept	12	02
3.	JAVA Programming Fundamental	12	02
4.	Classes and Objects	12	06
5.	Arrays and Strings	08	04
6.	Abstract Class, Interface and Packages	10	06
7.	Exception Handling	06	04
8.	File Handling	06	04
9.	Applet Programming	07	02
Total Number of Classes		75	30

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

Paper-VI:- Computer Networks

Sl.No.	Topics	Theoretical (Number of Classes)	Practical (Number of Classes)
1.	Basic Concepts	20	--
2.	Physical Layer	08	--
3.	Data Link Layer	10	--
4.	Network Layer	10	--
5.	Transport Layer	08	--
6.	Application Layer	12	--
7.	Network Security	07	--
Total Number of Classes		75	00