



# LAKSHYA INSTITUTE OF TECHNOLOGY

## BACHELOR IN COMPUTER APPLICATIONS (BCA)

Effective from 2023-2026 Academic Session

SEM.	COURSE OPTED	COURSE NAME	CREDITS
<b>I</b>	Ability Enhancement Course-1	AEC-1 (Environmental Science)	4
	Core Course-1	Digital Logic	4
	Core Course-1 Practical	Digital Logic LAB	2
	Core Course-2	Programming using C	4
	Core Course-2 Practical	Programming using C LAB	2
	Generic Elective/ Inter-disciplinary Course -1	GE/IC-1 (Principles of Management)	4
	Generic Elective/ Inter-disciplinary Course Tutorial/Practical -1	GE/IC -1 Tutorial/ LAB (Principles of Management Tutorial)	2
<b>II</b>	Ability Enhancement Course-2	AEC-2 (English/ MIL Communication)	4
	Core Course-3	Programming using C++	4
	Core Course-3 Practical	Programming using C++ LAB	2
	Core Course-4	Data Structure	4
	Core Course-4 Practical	Data Structure LAB	2
	Generic Elective/ Inter-disciplinary Course -2	GE/IC-2 (Statistics)	4
	Generic Elective/ Inter-disciplinary Course-2 Tutorial/Practical	GE/IC -2 Tutorial/ LAB (Statistics LAB)	2
<b>III</b>	Core Course-5	Computer Organization	4
	Core Course-5 Practical	Computer Organization LAB	2
	Core Course-6	JAVA Programming	4
	Core Course-6 Practical	JAVA Programming LAB	2
	Core Course-7	Discrete Mathematical Structures	4
	Core Course-7 Practical	Discrete Mathematical Structures LAB	2
	Skill Enhancement Course-1	SEC-1 (Python Programming)	4
	Generic Elective/ Inter-disciplinary Course -3	GE/IC-3 (Business Accounting)	4
	Generic Elective/ Inter-disciplinary Course Tutorial/Practical -3	GE/IC -3 Tutorial/ LAB (Business Accounting Tutorial)	2
<b>IV</b>	Core Course-8	Operating System	4
	Core Course-8 Practical	Operating System LAB	2
	Core Course-9	Computer Networks	4

	Core Course-9 Practical	Computer Networks LAB	2
	Core Course-10	Database Systems	4
	Core Course-10 Practical	Database Systems LAB	2
	Skill Enhancement Course-2	SEC-2 (Android Programming)	4
	Generic Elective/ Inter-disciplinary Course -4	GE/IC-4 (Business Economics)	4
	Generic Elective/ Inter-disciplinary Course -4 Tutorial/Practical	GE/IC-4 Tutorial/ LAB (Business Economics Tutorial)	2
<b>V</b>	Core Course-11	Web Technology	4
	Core Course-11 Practical	Web Technology LAB	2
	Core Course-12	Software Engineering	4
	Core Course-12 Practical	Software Engineering LAB	2
	Discipline Specific Elective-1	DSE-1 (Unix Programming)	4
	Discipline Specific Elective-1 Practical	DSE-1 LAB/ Tutorial (Unix Programming LAB)	2
	Discipline Specific Elective-2	DSE-2 (Data Mining)	4
	Discipline Specific Elective-2 Practical	DSE-2 LAB/ Tutorial (Data Mining LAB)	2
<b>VI</b>	Core Course-13	Computer Graphics	4
	Core Course-13 Practical	Computer Graphics LAB	2
	Core Course-14	Numerical Techniques	4
	Core Course-14 Practical	Numerical Techniques LAB	2
	Discipline Specific Elective-3	DSE-3 (Data Science)	4
	Discipline Specific Elective-3 Practical	DSE-3 LAB/ Tutorial (Data Science LAB)	2
	Discipline Specific Elective-4	DSE-4 (Project Work / E-Commerce)	6/4
	Discipline Specific Elective-4 Practical	DSE-4 LAB/ Tutorial(E-Commerce Tutorial)	2