



LAKSHYA INSTITUTE OF TECHNOLOGY

B. Sc. (Honors) Computer Science (CBCS)

Effective from the Academic Session 2023-2026

SEME STER	COURSE OPTED	COURSE NAME	CREDITS
I	Ability Enhancement Course-1	AECC-1 (Environmental Science)	4
	Core Course-1	Programming using C	4
	Core Course-1 Practical	Programming using C LAB	2
	Core Course-2	Digital Logic	4
	Core Course-2 Practical	Digital Logic Lab	2
	Generic Elective-1	GE-1 (Calculus)	4
	Generic Elective-1 Practical	GE-1 Tutorial/ LAB	2
	AECC/EV-I	Ethics and Values	1
II	Ability Enhancement Course-2	AEC-2 (English Communication/MIL)	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-2	GE-2 (Physics-I)	4
	Generic Elective-2 Practical	GE-2 Tutorial/ LAB	2
	AECC/EV-I	Ethics and Values	1
III	Core Course-5	JAVA Programming	4
	Core Course-5 Practical	JAVA Programming LAB	2
	Core Course-6	Database Systems	4
	Core Course-6 Practical	Database Systems 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-3	GE-3 (Algebra)	4
	General Elective-3 Practical	GE-3 Tutorial/ LAB	2
	AECC/EV-I	Ethics and Values	1
IV	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	Computer Graphics	4
	Core Course-10 Practical	Computer Graphics LAB	2
	Skill Enhancement Course-2	SEC-2 (Android Programming)	4
	Generic Elective-4	GE-4 (Physics –II)	4
	General Elective-4 Practical	GE-4 Tutorial/ LAB	2
	AECC/EV-I	Ethics and Values	1

V	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 (Numerical Techniques)	4
	Discipline Specific Elective-1 Practical	DSE-1 LAB/ Tutorial (Numerical Techniques Lab)	2
	Discipline Specific Elective-2	DSE-2 (Unix Programming)	4
	Discipline Specific Elective-2 Practical	DSE-2 LAB/ Tutorial (Unix Programming Lab.)	2
	AECC/EV-I	Ethics and Values	1
VI	Core Course-13	Artificial Intelligence	4
	Core Course-13 Practical	Artificial Intelligence LAB	2
	Core Course-14	Algorithm Design Techniques	4
	Core Course-14 Practical	Algorithm Design 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 (Data Mining)	4
	Discipline Specific Elective-4 Practical	DSE-4 LAB/ Tutorial (Data Mining Lab)	2
	AECC/EV-I	Ethics and Values	1