

**GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA**

**Department of Information Technology**

**B.Tech. (Information Technology)**

**Scheme-2024**

**SEMESTER-3RD**

Module Name	Course Category	Course Code	Course Title	Theory/ Integrated/ Practical	Lecture/ Tutorial/ Practical Hours per Week			Credits	Contact Hours	Marks Distribution		
					Lectures	Tutorials	Practicals			CA	ESE	Total
Basic Sciences and Engineering	Basic Science Course/ Program Specific Course	BSIT101	Probability and Statistics	Integrated	3	0	2	4	5	90	60	150
Basic Sciences and Engineering	Engineering Science/ Program Specific Course	ESIT101	Digital Logic	Integrated	3	0	2	4	5	90	60	150
Algorithms and Programming	Professional Core	CIT101	Data Structures	Integrated	3	1	4	6	8	90	60	150
Networking and Security	Professional Core	CIT102	Data Communication and Computer Networks	Integrated	3	0	2	4	5	90	60	150
Business Management	Humanities, Social Sciences and Management	HSMC103	Business Essentials for Engineers	Theory	2	0	0	2	2	40	60	100
Environmental Studies	Mandatory (Non-Credit)/ Program Specific Course	MCIT101	Environmental Sciences and Sustainability\$	Theory	2	0	0	0	2	50	0	50
Algorithms and Programming	Professional Core	LCIT103	Object-Oriented Programming Laboratory using C++	Practical	0	0	4	2	4	50	0	50
Technical Communication	Project Work, Seminar and Internship	SMIT101	Seminar and Technical Report Writing for Engineers	Practical	0	0	2	1	2	50	0	50
Experiential Learning	Project Work, Seminar and Internship	TRIT101	Training-I* (4-week Institutional/ Industrial Training)	Practical	0	0	40	1	0	60	40	100
Life Skills	Mentoring and Professional Development	MPD102	Mentoring and Professional Development-2#	Practical	0	0	1	0	1	0	0	0
Total					16	1	57	24	34	610	340	950

\*Industrial /Institutional Training will be imparted at the end of 2nd semester in the institute or students can go to industry for four weeks

#There will be one period per week for Mentoring and Professional Development; final evaluation of this course will be done based on the combined assessment of odd and even semester of respective year of study.

\$ The minimum criteria for passing Non Credit course is securing 40% marks in internal exams.

CA - Continous Assessment

ESE - End Semester Examination