



Integral University

Study & Evaluation Scheme

B. Tech. (Computer Science & Engineering)

w.e.f. 2026-27 (for admitted batch 2024-25 onwards)

Year III, Semester V

S. No.	Course Category	Subject Code	Name of Subject	Periods				Evaluation Scheme						Subject Total	Attributes							United Nations Sustainable Development		
								Sessional (CA)					End Sem. Exam. (ESE)		Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	Goals (SDGs)		
				L	T	P	C	CT		TA		Total	TE										PE	
								Theory	Practical	Theory	Practical													
1	PCC	CS301	Design and Analysis of Algorithm	4	0	2	5	50	15	25	10	100	75	25	200			✓						4,9
2	PCC	CS339	Introduction to Artificial Intelligence	3	0	0	3	50		25		75	75		150	✓		✓						4,9
3	PCC	CS336	Full Stack Development- Backend	4	0	2	5	50	15	25	10	100	75	25	200	✓		✓						4,9
4	PEC		Departmental Elective-1*	3	0	0	3	50		25		75	75		150									
5	PEC		Departmental Elective-2*	3	0	0	3	50		25		75	75		150									
6	PCC	CS338	Mobile App Development Lab	0	0	2	1		15		10	25		25	50	✓		✓						4,9
7	PCC	CS387	Engineering Computation Lab	0	0	2	1		15		10	25		25	50	✓		✓						4,9
8	MC	CG303	Career Development and Soft Skills	2	0	0	0						100		100	✓						✓		4
9	IPC	CS398	Internship/Industrial Training/Apprenticeship - I	0	0	0	2				100	100			100	✓		✓						4,9
			Total	19	0	8	23	250	60	125	140	575	475	100	1150									

Departmental Elective-1*	CS334	Cloud Computing															✓					4,9,11
	CS341	Introduction to Internet of Things															✓					4,9
Departmental Elective-2*	CS312	Digital Image Processing														✓		✓				4
	CS342	Data Compression															✓					4

L - Lecture	T - Tutorial	P - Practical	C - Credits	CT - Class Test	TA - Teacher Assessment
Sessional Total (CA) = Class Test (CT) + Teacher Assessment (TA)					
TE = Theory Exam			PE = Practical Exam		
Subject Total (CA) = Sessional Total (CA) + End Semester Examination (ESE)					
BSC - Basic Science Courses			PCC - Professional Core Courses		
PEC - Professional Elective Courses			ESC - Engineering Science Courses		
IPC - Internship/Project Courses			MC - Mandatory Course		
HSSM - Humanities, Social Sciences and Management Courses			OEC - Open Elective Courses		

Integral University
Study & Evaluation Scheme
B. Tech. (Computer Science & Engineering)

w.e.f. 2026-27 (for admitted batch 2024-25 onwards)

Year III, Semester VI

S. No.	Course Category	Subject Code	Name of Subject	Periods				Evaluation Scheme						Subject Total	Attributes							United Nations Sustainable Development		
								Sessional (CA)							End Sem. Exam. (ESE)		Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	Goals (SDGs)
				L	T	P	C	CT		TA		Total												
								Theory	Practical	Theory	Practical		TE		PE									
1	PCC	CS292	Theory of Computation	4	0	0	4	50		25		75	75		150			√						4
2	PCC	CS315	Compiler Design	4	0	0	4	50		25		100	75		150			√						4,9
3	PCC	CS305	Computer Networks	4	0	2	5	50	15	25	10	100	75	25	200	√	√	√						4,9
4	PCC	CS412	Cryptography and Network Security	4	0	0	4	50		25		75	75		150	√	√	√						4,9
5	PCC	CS425	Introduction to Machine Learning	4	0	2	5	50	15	25	10	100	75	25	200			√						4
6	PEC		Departmental Elective3*	3	0	0	3	50		25		75	75		150									
7	PEC		Departmental Elective-4*	3	0	0	3	50		25		75	75		150									
			Total	26	0	4	28	350	30	175	20	600	525	50	1150									

Departmental Elective3*	CS345	Advance Computer Architecture														√					4,9
	CS320	Real Time System														√					4
	CS346	Concepts in Advanced Database System												√		√					4
Departmental Elective-4*	CS362	Quantum Computing												√		√					4
	CS347	Green Computing														√		√	√		11,13
	CS348	Human Computer Interaction														√		√			11,12

L - Lecture	T - Tutorial	P - Practical	C - Credits	CT - Class Test	TA - Teacher Assessment
Sessional Total (CA) = Class Test (CT) + Teacher Assessment (TA)					
TE = Theory Exam			PE = Practical Exam		
Subject Total (CA) = Sessional Total (CA) + End Semester Examination (ESE)					
BSC - Basic Science Courses			PCC - Professional Core Courses		
PEC - Professional Elective Courses			ESC - Engineering Science Courses		
IPC - Internship/Project Courses			MC - Mandatory Course		
HSSM - Humanities, Social Sciences and Management Courses			OEC - Open Elective Courses		