



**Integral University**

**Study & Evaluation Scheme**

**B. Tech. (Computer Science & Engineering)**

w.e.f. 2024-25 (for admitted batch 2022-23 onwards)

**Year III, Semester V**

S. No.	Course Category	Subject Code	Name of Subject	Periods				Evaluation Scheme				Subject Total	Attributes						United Nations Sustainable Development Goals (SDGs)	
								Sessional (CA)			End Sem. Exam. (ESE)		Employability	Entrepreneurship	Skill Development	Gender Equality & Sustainability	Human Value	Professional Ethics		
				L	T	P	C	CT	TA	Total										
1	DC	CS301	Design and Analysis of Algorithm	3	1	0	4	40	20	60	40	100			√					4,9
2	DC	CS303	Principles of Operating System	3	1	0	4	40	20	60	40	100			√					4,9
3	DC	CS336	Full Stack Development- Backend	3	1	0	4	40	20	60	40	100	√		√					4,9
4	DC	CS339	Introduction to Artificial Intelligence	3	1	0	4	40	20	60	40	100	√		√					4,9
5	DE		Departmental Elective-1*	3	1	0	4	40	20	60	40	100								
6	DE		Departmental Elective-2*	3	1	0	4	40	20	60	40	100								
7	DC	CS337	Full Stack Development- Backend Lab	0	0	2	1	40	20	60	40	100	√		√					4,9
8	DC	CS338	Mobile App Development Lab	0	0	2	1	40	20	60	40	100	√		√					4,9
9	DC	CS302	Design and Analysis of Algorithm Lab	0	0	2	1	40	20	60	40	100			√					9
10	Audit	CG301	Career Development Course	2	0	0	0	0	0	0	50	50	√		√					4
11	DC	CS300	Industrial Training /Internship /Apprenticeship - II	0	0	0	1	0	0	0	0	100	√		√					4,9
<b>Total</b>				<b>20</b>	<b>6</b>	<b>6</b>	<b>28</b>	<b>360</b>	<b>180</b>	<b>540</b>	<b>410</b>	<b>1050</b>								
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
<b>L - Lecture    T - Tutorial    P - Practical    C - Credits    CT - Class Test    TA - Teacher Assessment</b>																				
Sessional Total (CA) = Class Test (CT) + Teacher Assessment (TA)																				
Subject Total (CA) = Sessional Total (CA) + End Semester Examination (ESE)																				
BS - Basic Sciences										DC - Departmental Core										
HM - Humanities										OE - Open Elective										
DE - Departmental Elective										ESA - Engineering Sciences & Arts (Foundation Course & Engineering Course)										



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Study & Evaluation Scheme

B. Tech. (Computer Science & Engineering)

w.e.f. 2024-25 (for admitted batch 2022-23 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										Goals (SDGs)	
1	DC	CS313	Microprocessor and its Applications	3	1	0	4	40	20	60	40	100			v					4,9	
2	DC	CS315	Compiler Design	3	1	0	4	40	20	60	40	100			v					4,9	
3	DC	CS305	Computer Networks	3	1	0	4	40	20	60	40	100	v	v	v					4,9	
4	OE		Open Elective-1**	3	1	0	4	40	20	60	40	100									
5	DE		Departmental Elective3*	3	1	0	4	40	20	60	40	100									
6	DE		Departmental Elective-4*	3	1	0	4	40	20	60	40	100									
7	DC	CS316	Compiler Design Lab	0	0	2	1	40	20	60	40	100			v					4,9	
8	DC	CS314	Microprocessor Lab	0	0	2	1	40	20	60	40	100	v		v					4,9	
9	DC	CS306	Computer Networks Lab	0	0	2	1	40	20	60	40	100	v	v	v					4,9	
10	Audit	CG302	Career Development Course	2	0	0	0	0	0	0	50	50	v					v		4	
11	DC	CS386	Comprehensive Annual Assessment - II	0	0	0	0	0	100	100	0	100	v		v					4	
<b>Total</b>				<b>20</b>	<b>6</b>	<b>6</b>	<b>27</b>	<b>360</b>	<b>280</b>	<b>640</b>	<b>410</b>	<b>1050</b>									
Departmental Elective3*		CS345	Advance Computer Architecture												v					4,9	
		CS320	Real Time System													v					4
		CS346	Concepts in Advanced Database System											v		v					4
Departmental Elective-4*		CS311	Software Project & Quality Management										v		v					4	
		CS347	Green Computing													v		v		11,13	
		CS348	Human Computer Interaction													v		v		11,12	
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DE - Departmental Elective								ESA - Engineering Sciences & Arts (Foundation Course & Engineering Course)													