



Integral University

Study & Evaluation Scheme

B. Tech. (Computer Science & Engineering)

w.e.f. 2024-25 (for admitted batch 2021-22 onwards)

Year IV, Semester VII

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	Environment & Sustainability	Human Value		Professional Ethics
				L	T	P	C	CT	TA	Total										
1	DC	CS425	Introduction to Machine Learning	3	1	0	4	40	20	60	40	100			√					4,9
2	DC	CS410	Distributed System	3	1	0	4	40	20	60	40	100			√					4
3	DC	CS412	Cryptography and Network Security	3	1	0	4	40	20	60	40	100	√	√	√					4,9
4	DE		Departmental Elective-5*	3	1	0	4	40	20	60	40	100								
5	DE		Departmental Elective-6*	3	1	0	4	40	20	60	40	100								
6	DC	CS424	SciLab	0	0	2	1	40	20	60	40	100	√		√					4,9
7	DC	CS426	Competitive Coding	0	0	2	1	40	20	60	40	100	√	√	√					4,9
8	DC	CS421	Minor Project	0	0	2	1	40	20	60	40	100	√		√					4,9
9	Audit	CG401	Career Development Course	2	0	0	0	0	0	0	50	50	√		√				√	4
10	DC	CS400	Industrial Training /Internship /Apprenticeship - III	0	0	0	1	0	0	0	0	100	√		√					4,9
<b>Total</b>				<b>17</b>	<b>5</b>	<b>6</b>	<b>24</b>	<b>320</b>	<b>160</b>	<b>480</b>	<b>370</b>	<b>950</b>								
Departmental Elective-5*		CS417	Mobile Computing												√					4
Departmental Elective-5*		CS415	Fuzzy Logic & Neural Networks												√					4
Departmental Elective-6*		CS418	Data Warehousing and Data Mining												√					4,11,12
Departmental Elective-6*		CS419	Pattern Recognition												√					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 2021-22 onwards)**

**Year IV, Semester VIII**

S. No.	Course Category	Subject Code	Name of Subject	Periods				Evaluation Scheme			Subject Total	Attributes							United Nations Sustainable Development				
				L	T	P	C	Sessional (CA)				End Sem. Exam. (ESE)	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	Goals (SDGs)			
								CT	TA	Total													
1	DC	CS451	Seminar	0	0	0	2	0	100	100	0										100	v	
2	DC	CS499	B. Tech. Project	0	0	0	4	0	60	60	40	100	v	v	v							4,9	
3	DC	CS499	B. Tech. Project	0	0	0	4	0	60	60	40	100	v	v	v							4,9	
4	DC	CS499	B. Tech. Project	0	0	0	4	0	60	60	40	100	v	v	v							4,9	
5	DC	CS452	Comprehensive Annual Assessment - III	0	0	0	0	0	100	100	0	100	v		v							4	
6	OE		Open Elective-2**	3	1	0	4	40	20	60	40	100											
<b>Total</b>				<b>3</b>	<b>1</b>	<b>0</b>	<b>18</b>	<b>40</b>	<b>400</b>	<b>440</b>	<b>160</b>	<b>600</b>											

**L - Lecture    T - Tutorial    P - Practical    C - Credits    CT - Class Test    TA - Teacher Assessment**

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)