



Integral University
Study & Evaluation Scheme
B.Tech. CSE (Data Science & Artificial Intelligence) in association with IBM
w.e.f. 2021-2022

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)				
				L	T	P	C	CT	TA	Total		End Sem. Exam. (ESE)	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability		Human Value	Professional Ethics		
																					1	DC
2	DC	CS-303	Principles of Operating System	3	1	0	4	40	20	60	40	100			√							4,9
3	DC	CS-304	Theory of Automata and Formal Languages	3	1	0	4	40	20	60	40	100			√							4
4	DC	CS-340	Software Engineering	3	1	0	4	40	20	60	40	100	√		√							4,9
5	DC	CS-391	Hadoop	3	1	0	4	40	20	60	40	100	√		√							4,9
6	DC	CS-392	Data Science and Use Cases	3	1	0	4	40	20	60	40	100			√							4,9
7	DC	CS-393	Hadoop Lab	0	0	2	1	30	30	60	40	100	√		√							4,9
8	DC	CS-310	Open Source Lab	0	0	2	1	30	30	60	40	100	√	√	√							4,9
9	DC	CS-302	Design and Analysis of Algorithm lab	0	0	2	1	30	30	60	40	100			√							4,9
Total				18	6	6	27	330	210	540	360	900										

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)



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Study & Evaluation Scheme
B.Tech. CSE (Data Science & Artificial Intelligence) in association with IBM
w.e.f. 2021-2022

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
				L	T	P	C	CT	TA	Total													
1	DC	CS-313	Microprocessor and its Applications	3	1	0	4	40	20	60	40	100			√							4,9	
2	DC	CS-315	Compiler Design	3	1	0	4	40	20	60	40	100			√							4,9	
3	DC	CS-305	Computer Networks	3	1	0	4	40	20	60	40	100	√	√	√							4,9	
4	OE		Open Elective-1	3	1	0	4	40	20	60	40	100											
6	DE		Departmental Elective-I*	3	1	0	4	40	20	60	40	100											
7	DC	CS-394	Artificial Intelligence Analyst	3	1	0	4	40	20	60	40	100	√	√	√							4,9	
8	DC	CS-396	AI Analyst Lab	0	0	2	1	30	30	60	40	100	√	√	√							4,9	
9	DC	CS-314	Microprocessor Lab	0	0	2	1	30	30	60	40	100	√		√							4,9	
10	DC	CS-306	Computer Networks Lab	0	0	2	1	30	30	60	40	100	√	√	√							4,9	
10	DC	CS-386	Comprehensive Annual Assessment - II	0	0	0	1	0	100	100	0	100	√		√							4	
Total				18	6	6	28	330	310	640	360	1000											
Departmental Elective-I*	CS-311	Software Project & Quality Management											√		√							4	
	CS-347	Green Computing													√		√	√				11,13	
	CS-348	Human Computer Interaction													√		√					11,12	
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Subject Total (CA) = Sessional Total (CA) + End Semester Examination (ESE)																							
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