

Integral University												
Study & Evaluation Scheme												
B.Tech. CSE (Data Science & Artificial Intelligence) in association with IBM												
w.e.f. 2020-2021												
Year I, Semester II												
S. No.	Course Category	Subject Code	Name of Subject	Periods				Evaluation Scheme			Subject Total	
								Sessional (CA)				End Sem. Exam. (ESE)
				L	T	P	C	CT	TA	Total		
1	BS	CH-101	Chemistry	3	1	0	4	40	20	60	40	100
2	ES	ES-101	Environmental Studies	2	1	0	3	40	20	60	40	100
3	BS	MT-112	Engineering Mathematics II	3	1	0	4	40	20	60	40	100
4	ESA	ME-101	Basic Mechanical Engineering	3	1	0	4	40	20	60	40	100
5	ESA	CS-101	Computer Programming	3	1	0	4	40	20	60	40	100
6	BS	CH-102	Engineering Chemistry Lab	0	0	2	1	30	30	60	40	100
7	ESA	ME-102	Mechanical Engineering Lab	0	0	2	1	30	30	60	40	100
8	ESA	CS-102	Computer Programming Lab	0	0	2	1	30	30	60	40	100
9	DC	CS-126	Changing Business with Data Insight (Watson Analytics)	0	0	2	1	30	30	60	40	100
Total				14	5	8	23	320	220	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)						

Integral University
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		
								Sessional (CA)				End Sem. Exam. (ESE)	
				L	T	P	C	CT	TA	Total			
1	DC	CS-313	Microprocessor and its Applications	3	1	0	4	40	20	60	40	100	
2	DC	CS-315	Compiler Design	3	1	0	4	40	20	60	40	100	
3	DC	CS-305	Computer Networks	3	1	0	4	40	20	60	40	100	
4	OE		Open Elective-1	3	1	0	4	40	20	60	40	100	
6	DE		Departmental Elective-1	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	
8	DC	CS-396	AI Analyst Lab	0	0	2	1	30	30	60	40	100	
10	DC	CS-314	Microprocessor Lab	0	0	2	1	30	30	60	40	100	
11	DC	CS-306	Computer Networks Lab	0	0	2	1	30	30	60	40	100	
10	DC	CS-386	Comprehensive Annual Assessment - II	0	0	0	1	0	100	100	0	100	
Total				18	6	6	28	330	310	640	360	1000	

Departmental Elective-1	CS-311	Software Project & Quality Management	
	CS-347	Green Computing	
	CS-348	Human Computer Interaction	

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BS - Basic Sciences

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Study & Evaluation Scheme												
B.Tech. CSE (Data Science & Artificial Intelligence) in association with IBM												
(tentative)												
Year IV, Semester VII												
S. No.	Course Category	Subject Code	Name of Subject	Periods				Evaluation Scheme			Subject Total	
								Sessional (CA)				End Sem. Exam. (ESE)
				L	T	P	C	CT	TA	Total		
1	DE	CS485	Data Security and Threat Analysis	3	1	0	4	40	20	60	40	100
2	DC	CS-410	Distributed System	3	1	0	4	40	20	60	40	100
3	DC	CS-412	Cryptography and Network Security	3	1	0	4	40	20	60	40	100
4	DE		Departmental Elective-2	3	1	0	4	40	20	60	40	100
5	DE		Departmental Elective-3	3	1	0	4	40	20	60	40	100
6	DC	CS-424	SciLab	0	0	2	1	30	30	60	40	100
8	DC	CS-421	Minor Project	0	0	2	1	30	30	60	40	100
9	DC	CS-300	Industrial Training	0	0	0	0	0	0	0	0	100
Total				15	5	4	22	260	160	420	280	800
Departmental Elective-2		CS-417	Mobile Computing									
		CS-415	Fuzzy Logic & Neural Networks									
Departmental Elective-3		CS-418	Data Warehousing and Data Mining									
		CS-419	Pattern Recognition									
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