

Integral University												
Study & Evaluation Scheme												
B.Tech. CSE (Cloud Computing and 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						
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Year II, Semester III

S. No.	Course Category	Subject Code	Name of Subject	Periods				Evaluation Scheme			Subject Total	
				L	T	P	C	Sessional (CA)		End Sem.		
								CT	TA			Total
1	DC	CS-204	Data Structure using C	3	1	0	4	40	20	60	40	100
2	DC	CS-270	Object Oriented Concepts using Java	3	1	0	4	40	20	60	40	100
3	DC	CS-264	Fundamentals of Machine Learning (Watson)	3	1	0	4	40	20	60	40	100
4	ESA	EC-209	Digital Electronics	3	1	0	4	40	20	60	40	100
5	DC	CS-206	Discrete Structure	3	1	0	4	40	20	60	40	100
6	ESA	CS-203	Cyber Law & Information Security	2	1	0	3	40	20	60	40	100
*	HM	BM-226	Human Values and Professional Ethics	3	0	0	0	-	-	-	50	50
7	DC	CS-208	Data Structure Using C Lab	0	0	2	1	30	30	60	40	100
8	DC	CS-272	Python Programming Lab	0	0	2	1	30	30	60	40	100
9	DC	CS-271	Object Oriented Concepts using Java Lab	0	0	2	1	30	30	60	40	100
10	ESA	EC-214	Digital Electronics Lab	0	0	2	1	30	30	60	40	100
Total				20	6	8	27	360	240	600	400	1000

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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
9	DC	CS-314	Microprocessor Lab	0	0	2	1	30	30	60	40	100
10	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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(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	DC	CS-486	Cloud Security	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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