



**Integral University**  
**Study & Evaluation Scheme**

**B.Tech. CSE (Cloud Computing and Artificial Intelligence) in association with IBM**  
**w.e.f. 2020-2021**

**Year II, Semester III**

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	CS-204	Data Structure using C	3	1	0	4	40	20	60	40	100	√		√					4,9
2	DC	CS-270	Object Oriented Concepts using Java	3	1	0	4	40	20	60	40	100	√		√					4
3	DC	CS-264	Fundamentals of Machine Learning (Watson)	3	1	0	4	40	20	60	40	100								4,9
4	ESA	EC-209	Digital Electronics	3	1	0	4	40	20	60	40	100			√					4,8
5	DC	CS-206	Discrete Structure	3	1	0	4	40	20	60	40	100			√					4
6	ESA	CS-203	Cyber Law & Information Security	2	1	0	3	40	20	60	40	100	√		√				√	11,16
*	HM	BM-226	Human Values and Professional Ethics	3	0	0	0	-	-	-	50	50						√	√	3,10,13
7	DC	CS-208	Data Structure Using C Lab	0	0	2	1	30	30	60	40	100	√		√					4,9
8	DC	CS-272	Python Programming Lab	0	0	2	1	30	30	60	40	100	√	√	√					4,9
9	DC	CS-271	Object Oriented Concepts using Java Lab	0	0	2	1	30	30	60	40	100	√		√					4,9
10	ESA	EC-214	Digital Electronics Lab	0	0	2	1	30	30	60	40	100			√					4,8
<b>Total</b>				<b>20</b>	<b>6</b>	<b>8</b>	<b>27</b>	<b>360</b>	<b>240</b>	<b>600</b>	<b>400</b>	<b>1000</b>								
				<b>L - Lecture</b>	<b>T - Tutorial</b>	<b>P - Practical</b>	<b>C - Credits</b>	<b>CT - Class Test</b>	<b>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. CSE (Cloud Computing and Artificial Intelligence) in association with IBM**  
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**Year II, Semester IV**

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	Sessional (CA)		End Sem. Exam. (ESE)		Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value		Professional Ethics	
								CT	TA									Total		
1	DC	CS-261	Cloud Application Development	3	1	0	4	40	20	60	40	100	√	√	√					4,9,11
2	ESA	MT-206	Mathematical Analysis	3	1	0	4	40	20	60	40	100	√		√					9
3	DC	CS-212	Database Management System	3	1	0	4	40	20	60	40	100	√		√					4
4	DC	CS-284	Computer Organization & Architecture	3	1	0	4	40	20	60	40	100			√					4,9
5	ESA	ES-202	Disaster Management	2	1	0	3	40	20	60	40	100			√		√			3,9,11,17
6	DC	CS-281	Graph Theory and Applications	3	1	0	4	40	20	60	40	100			√					4
7	DC	CS-285	Computer Organization & Architecture Lab	0	0	2	1	30	30	60	40	100			√					4,9
8	DC	CS-266	Cloud Application Development Lab	0	0	2	1	30	30	60	40	100	√	√	√					4,9,11
9	DC	CS-282	Advance Java Programming Lab	0	0	2	1	30	30	60	40	100	√	√	√					4,9
10	DC	CS-220	DBMS Lab	0	0	2	1	30	30	60	40	100	√		√					4,9
11	DC	CS-286	Comprehensive Annual Assessment - I	0	0	0	1	0	100	100	0	100	√		√					4
<b>Total</b>				<b>17</b>	<b>6</b>	<b>8</b>	<b>28</b>	<b>360</b>	<b>340</b>	<b>700</b>	<b>400</b>	<b>1100</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

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