



**Integral University**  
**Study & Evaluation Scheme**  
**B. Tech. Third Year (CLOUD TECHNOLOGY AND INFORMATION SECURITY)**  
w.e.f. 2020-2021

**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)		
								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-361	Logical Reasoning and Thinking	2	1	0	3	40	20	60	40	100			√					4	
2	DC	CS-353	Storage Technologies	2	1	0	3	40	20	60	40	100			√					4,9,11	
3	DE		<b>Departmental Elective I*</b>	3	1	0	4	40	20	60	40	100									
4	DC	CS-357	Installation & Configuration of Server	3	1	0	4	40	20	60	40	100		√		√				4,9,11	
5	DC	CS-355	Ethical Hacking	3	1	0	4	40	20	60	40	100			√				√	9,11,16	
6	DC	CS-351	Cloud Technology	3	1	0	4	40	20	60	40	100		√	√					4,9,11	
7	DC	CS-354	Storage Technologies Lab	0	0	2	1	30	30	60	40	100		√	√					4,9,11	
8	DC	CS-356	Ethical Hacking Lab	0	0	2	1	30	30	60	40	100			√				√	9,11,16	
9	DC	CS-358	Installation & Configuration of Server Lab	0	0	2	1	30	30	60	40	100			√					4,9,11	
10	DC	CS-352	Cloud Technology Lab	0	0	2	1	30	30	60	40	100								9	
<b>Total</b>				<b>16</b>	<b>6</b>	<b>8</b>	<b>26</b>	<b>360</b>	<b>240</b>	<b>600</b>	<b>400</b>	<b>1000</b>									
<b>Departmental Elective I*</b>			Security Architecture CS-359												√					4	
			Database Security CS-363												√						4
			Server Security CS-364													√					4
			Any Online MOOC from the suggested list by the Department. Duration should be of at least 12 weeks so as to fulfil 4 credits														√				
<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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**B. Tech. Third Year (CLOUD TECHNOLOGY AND INFORMATION SECURITY)**  
w.e.f. 2020-2021

Year III, Semester VI

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	OE		Open Elective-1**	-	-	-	4	40	20	60	40	100													
2	DC	CS-371	Web Technology	3	1	0	4	40	20	60	40	100	√										4,9		
3	DC	CS-372	Theory of Automata and Compiler Design	3	1	0	4	40	20	60	40	100			√								4		
4	DC	CS-373	Cloud Security	2	1	0	3	40	20	60	40	100	√	√									4,9,11		
5	DC	CS-374	Principles of Virtualization	3	1	0	4	40	20	60	40	100			√								4		
6	DC	CS-375	Infrastructure Solutions on Cloud	2	1	0	3	40	20	60	40	100			√								4,9,11		
7	DE		Departmental Elective II*	3	1	0	4	40	20	60	40	100													
8	DC	CS-376	Infrastructure Solutions on Cloud Lab	0	0	2	1	30	30	60	40	100	√	√	√								4,9,11		
9	DC	CS-377	Principles of Virtualization Lab	0	0	2	1	30	30	60	40	100	√	√	√								4,9		
10	P	CS-399	Mini Project-I	0	0	2	1			60	40	100	√	√									4,9		
<b>Total</b>				<b>16</b>	<b>6</b>	<b>6</b>	<b>29</b>	<b>340</b>	<b>200</b>	<b>600</b>	<b>400</b>	<b>1000</b>													
		<b>Departmental Elective II*</b>		Information Security Emerging Trends CS-378											√										4,9,12
				Cyber Security Incident Response Management CS-379								√	√												9,11,16
				Application Security CS-380								√													4,9
				Any Online MOOC from the suggested list by the Department. Duration should be of at least 12 weeks so as to fulfil 4 credits												√									4
				<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)													
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						BS - Basic Sciences						DC - Departmental Core													
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						DE - Departmental Elective						ESA - Engineering Sciences & Arts (Foundation Course & Engineering Course)													