



Integral University

Study & Evaluation Scheme

B.Tech. CSE (Data Science & Artificial Intelligence) in association with IBM

w.e.f. 2023-2024

Year IV, Semester VII

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	CS485	Data Security and Threat Analysis	3	1	0	4	40	20	60	40	100	√		√							4,9
2	DC	CS410	Distributed System	3	1	0	4	40	20	60	40	100			√							4
3	DC	CS412	Cryptography and Network Security	3	1	0	4	40	20	60	40	100	√	√	√							4,9
4	DE		Departmental Elective-5*	3	1	0	4	40	20	60	40	100										
5	DE		Departmental Elective-6*	3	1	0	4	40	20	60	40	100										
6	DC	CS424	SciLab	0	0	2	1	30	30	60	40	100	√		√							4,9
8	DC	CS421	Minor Project	0	0	2	1	30	30	60	40	100	√		√							4,9
9	DC	CS-300	Industrial Training	0	0	0	0	0	0	0	0	100	√		√							4,9
Total				15	5	4	22	260	160	420	280	800										

Departmental Elective-5*	CS417	Mobile Computing				√															4	
	CS415	Fuzzy Logic & Neural Networks				√																4
Departmental Elective-6*	CS418	Data Warehousing and Data Mining				√																4,11,12
	CS419	Pattern Recognition				√																4

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. 2023-2024

Year IV, Semester VIII

S. No.	Course Category	Subject Code	Name of Subject	Periods				Evaluation Scheme				Subject Total	Attributes						United Nations Sustainable Development	
				L	T	P	C	CT	TA	Total	End Sem. Exam. (ESE)		Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	Goals (SDGs)
1	DC	CS451	Seminar	0	0	0	2	0	100	100	0	100	√		√					4
2	DC	CS499	B. Tech. Project	0	0	0	4	0	60	60	40	100	√	√	√					4,9
3	DC	CS499	B. Tech. Project	0	0	0	4	0	60	60	40	100	√	√	√					4,9
4	DC	CS499	B. Tech. Project	0	0	0	4	0	60	60	40	100	√	√	√					4,9
5	DC	CS452	Comprehensive Viva	0	0	0	1	0	100	100	0	100	√		√					4
6	OE		Open Elective-2**	3	1	0	4	40	20	60	40	100								
Total				3	1	0	19	40	400	440	160	600								

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)

Total credits of BTech (DSAI) 200