



INTEGRAL
UNIVERSITY
LUCKNOW - INDIA



Integral University

Study & Evaluation Scheme

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

w.e.f. 2025-26 (for admitted batch 2024-25 onwards)

Year II, Semester III

S. No.	Course Category	Subject Code	Name of Subject	Periods				Evaluation Scheme						Subject Total	Attributes						United Nations Sustainable Development		
								Sessional (CA)													End Sem. Exam. (ESE)		Goals (SDGs)
				L	T	P	C	CT		TA		Total	TE		PE								
								Theory	Practical	Theory	Practical												
1	PCC	CS204	Data Structure using C	3	0	2	4	50	15	25	10	100	75	25	200	√		√					4,9
2	PCC	CS236	Computer Organization & Microprocessor	4	0	2	5	50	15	25	10	100	75	25	200	√		√					4
3	PCC	CS260	Data Science Fundamentals	4	0	0	4	50		25		75	75		150			√				4,9	
4	PCC	CS229	Software Engineering	3	0	0	3	50		25		75	75		150	√		√				4,9	
5	PCC	CS206	Discrete Structure	3	0	0	3	50		25		75	75		150			√				4	
6	ESC	CS203	Cyber Law & Information Security	3	0	0	3	50		25		75	75		150	√		√			√	11,16	
7	MC	BM226	Human Values and Professional Ethics	2	0	0	0						50		50					√	√	3,10,13	
8	PCC	CS272	Python Programming Lab	0	0	2	1		15		10	25		25	50	√		√				4,9	
			Total	22	0	6	23	300	45	150	30	525	500	75	1100								

L - Lecture

T - Tutorial

P - Practical

C - Credits

CT - Class Test

TA - Teacher Assessment

Sessional Total (CA) = Class Test (CT) + Teacher Assessment (TA)

TE = Theory Exam

PE = Practical Exam

Subject Total (CA) = Sessional Total (CA) + End Semester Examination (ESE)

BSC - Basic Science Courses

PCC - Professional Core Courses

PEC - Professional Elective Courses

ESC - Engineering Science Courses

IPC - Internship/Project Courses

MC - Mandatory Course

HSSM - Humanities, Social Sciences and Management Courses

OEC - Open Elective Courses



INTEGRAL
UNIVERSITY
LUCKNOW - INDIA



Integral University

Study & Evaluation Scheme

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

w.e.f. 2025-26 (for admitted batch 2024-25 onwards)

Year II, Semester IV

S. No.	Course Category	Subject Code	Name of Subject	Periods				Evaluation Scheme						Subject Total	Attributes						United Nations Sustainable Development		
								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	TE		PE								
								Theoory	Practical	Theory	Practical												
1	PCC	CS261	Cloud Application Development	4	0	2	5	50	15	25	10	100	75	25	200	√	√	√					4,9,11
2	ESC	MT238	Mathematical Analysis for Computer Science & Engineering	3	1	0	4	50		25		75	75		150	√		√					9
3	PCC	CS212	Database Management System	3	0	2	4	50	15	25	10	100	75	25	200	√		√					4
4	PCC	CS270	Object Oriented Concepts using Java	3	0	2	4	50	15	25	10	100	75	25	200	√		√					4
5	PCC	CS303	Principles of Operating System	3	0	0	3	50		25		75	75		150			√					4,9
6	HSSM	ES202	Disaster Management	3	0	0	3	50		25		75	75		150			√		√			3,9,11,17
7	PCC	CS282	Advance Java Programming Lab	0	0	2	1		15		10	25		25	50	√	√	√					9
			Total	19	1	8	24	300	60	150	40	550	450	100	1100								9

L - Lecture

T - Tutorial

P - Practical

C - Credits

CT - Class Test

TA - Teacher Assessment

Sessional Total (CA) = Class Test (CT) + Teacher Assessment (TA)

TE = Theory Exam

PE = Practical Exam

Subject Total (CA) = Sessional Total (CA) + End Semester Examination (ESE)

BSC - Basic Science Courses

PCC - Professional Core Courses

PEC - Professional Elective Courses

ESC - Engineering Science Courses

IPC - Internship/Project Courses

MC - Mandatory Course

HSSM - Humanities, Social Sciences and Management Courses

OEC - Open Elective Courses