



INTEGRAL UNIVERSITY
LUCKNOW - INDIA



Integral University

Study & Evaluation Scheme

B.Tech. CSE (Cloud Computing and Artificial Intelligence) in association with IBM

w.e.f. 2026-27 (for admitted batch 2024-25 onwards)

Year III, Semester V

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	Goals (SDGs)
				L	T	P	C	CT		TA		Total	TE		PE									
								Theory	Practical	Theory	Practical													
1	PCC	CS301	Design and Analysis of Algorithm	3	0	2	4	50	15	25	10	100	75	25	200			√						4,9
2	PCC	CS391	Hadoop	4	0	2	5	50	15	25	10	100	75	25	200	√		√						4,9
3	PCC	CS395	Predictive Analytics	4	0	0	4	50		25		75	75		150			√						4,9
4	PEC		Departmental Elective-1*	3	0	0	3	50		25		75	75		150									
5	PEC		Departmental Elective-2*	3	0	0	3	50		25		75	75		150									
6	PCC	CS338	Mobile App Development Lab	0	0	2	1		15		10	25		25	50	√		√						4,9
7	MC	CG303	Career Development and Soft Skills	2	0	0	0						100		100	√						√		4
8	IPC	CS398	Internship/Industrial Training/Apprenticeship - I	0	0	0	2				100	100			100	√		√						4,9
Total				19	0	6	22	250	45	125	130	550	475	75	1100									

Departmental Elective-1*	CS334	Cloud Computing																√					4,9,11
	CS341	Introduction to Internet of Things																√					4,9
Departmental Elective-2*	CS312	Digital Image Processing														√		√					4
	CS342	Data Compression																√					4

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



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Year III, Semester VI

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								
								Theory	Practical	Theory	Practical												
1	PCC	CS292	Theory of Computation	3	0	0	3	50		25		75	75		150			√					4
2	PCC	CS315	Compiler Design	3	0	2	4	50	15	25	10	100	75	25	200			√					4,9
3	PCC	CS305	Computer Networks	3	0	2	4	50	15	25	10	100	75	25	200	√	√	√					4,9
4	PCC	CS412	Cryptography and Network Security	3	0	0	3	50		25		75	75		150	√	√	√					4,9
5	PEC		Departmental Elective3*	3	0	0	3	50		25		75	75		150								
6	PCC	CS394	Artificial Intelligence Analyst	4	0	2	5	50	15	25	10	100	75	25	200	√	√	√					4,9
Total				19	0	6	22	300	45	150	30	525	450	75	1050								

Departmental Elective3*	CS345	Advance Computer Architecture																√					4,9
	CS320	Real Time System																√					4
	CS346	Concepts in Advanced Database System														√		√					4

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)

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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