



Integral University, Lucknow
Department of Computer Science and Engineering
Study and Evaluation Scheme

Program: M.Tech. Computer Science & Engineering with specialization in Advanced Computing & Data sciences

Semester III

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Sub. Total	Credit	Total Credits	Attributes							United Nations Sustainable Development Goals (SDGs)
				L	T	P	CT	TA	Tot	ESE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
THEORIES																					
1	CS 609	Big Data	DC	3	1	0	40	20	60	40	100	3:1:0	4	√						4,9,17	
2		Elective-3	DE	3	1	0	40	20	60	40	100	3:1:0	4	√	√	√					
3		Elective-4	DE	3	1	0	40	20	60	40	100	3:1:0	4								
PRACTICAL																					
4	CS 699	M.Tech. Dissertation	DC	0	0	4	-	-	60	40	100	0:0:4	4	√	√	√				4,8,9,17	
5	CS-617	Big Data Management and Data Analytics Lab	DC	0	0	2	30	30	60	40	100	0:0:2	2	√	√	√					
Total				9	3	4	150	90	300	200	500		18								

DC- Departmental Core DE- Departmental Elective

Electives											United Nations Sustainable Development
S. No.	Electives	Course code	Course Title Type of Paper	Attributes							Goals (SDGs)
				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
1	Elective-3*	CS-603	Ad-hoc Sensor Network			√					
		CS-605	Agile Software Engineering	√	√	√					
		CS-606	Advanced Cloud Computing	√	√	√				4,9,17	

Electives											United Nations Sustainable Development
S. No.	Electives	Course code	Course Title Type of Paper	Attributes							Goals (SDGs)
				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
1	Elective-4*	CS-618	Natural Language Processing	√	√	√					
		CS-624	Advanced Statistical Techniques for data Analytics	√	√	√				4,8,9	
		CS-626	Internet of Things	√	√	√				4,8,9,17	



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Semester IV

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/sem			Evaluation Scheme				Sub-Total	Credit	Total Credits	Attributes						United Nations Sustainable Development Goals (SDGs)
				L	T	P	CT	TA	Tot	ESE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	
THEORIES																				
1	CS-699	M.Tech. Dissertation	DC	0	0	4	-	-	60	40	100	0:0:4	4	√	√	√				4,8,9,17
2	CS-699	M.Tech. Dissertation	DC	0	0	4	-	-	60	40	100	0:0:4	4	√	√	√				
3	CS-699	M.Tech. Dissertation	DC	0	0	4	-	-	60	40	100	0:0:4	4	√	√	√				
4	CS-699	M.Tech. Dissertation	DC	0	0	4	-	-	60	40	100	0:0:4	4	√	√	√				
Total				0	0	16	-	-	240	160	400		16							

DC- Departmental Core

DE- Departmental Elective

Total Credit of the Course: 20+20+18+16 = 74

L-Lecture T-Tutorial P-Practical C-Credits CT-Class Test TA-Teacher Assessment

Sessional Total (CA) = Class Test + Teacher Assessment

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

DC- Departmental Core

DE- Departmental Elective