



Integral University, Lucknow

Department of Computer Science and Engineering

Study and Evaluation Scheme

Program: Master of Technology Computer Science & Engineering
Semester I

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	Totl	ESE				Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
THEORIES																					
1	CS518	Soft Computing	DC	3	1	0	40	20	60	40	100	4:0:0	4	√	√					4,9	
2	CS516	Advance Data Structures & Algorithm	DC	3	1	0	40	20	60	40	100	4:0:0	4	√	√					4,8,9	
3	CS514	Data Communication & Computer Network	DC	3	1	0	40	20	60	40	100	4:0:0	4	√	√					9	
4	CS 517	Advance Software Engineering & Project Management	DC	3	1	0	40	20	60	40	100	4:0:0	4	√	√	√				9,17	
PRACTICAL																					
5	CS519	Soft Computing Lab	DC	0	0	2	30	30	60	40	100	0:0:2	2	√	√	√					
6	CS515	Data Communication & Computer Network Lab	DC	0	0	2	30	30	60	40	100	0:0:2	2	√	√	√					
Total				12	4	4	220	140	360	240	600		20								

DC- Departmental Core

DE- Departmental Elective



Integral University, Lucknow

Department of Computer Science and Engineering

Study and Evaluation Scheme

Program: Master of Technology Computer Science & Engineering
Semester II

S. No.	Course code	Course Title	Type of Paper	Period Per hr/week/s em			Evaluation Scheme				Sub. Total	Credit	Total Credits	Attributes						United Nations Sustainable Development Goals (SDGs)
				L	T	P	CT	TA	Totals (SDGs)	Employability				Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
THEORIES																				
1	CS 520	Advance Distributed Operating Systems	DC	3	1	0	40	20	60	40	100	3:1:0	4			√				
2	CS 522	Advance Computer Architecture	DC	3	1	0	40	20	60	40	100	3:1:0	4			√				4,9
3		Elective -1*	DE	3	1	0	40	20	60	40	100	3:1:0	4							
4		Elective -2**	DE	3	1	0	40	20	60	40	100	3:1:0	4							
PRACTICAL																				
5	CS 521	Advance Distributed Operating Systems Lab	DC	0	0	2	30	30	60	40	100	0:0:2	2	√	√	√				
6	CS 531	Seminar	DC	0	0	2	-	-	100	-	100	0:0:2	2			√				
Total				12	4	4	190	110	400	200	600		20							

DC- Departmental Core

DE- Departmental Elective

Electives											United Nations Sustainable Development Goals (SDGs)			
S.No.	Electives	Course code	Course Title	Type of Paper	Attributes	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability		Human Value	Professional Ethics	
1	Elective -1*	CS-523	Pattern Recognition & its Applications					√					4,9	
		CS-524	Software Testing & Quality Management			√		√					4,8,9	
		CS-525	Advance Concepts of Database Design					√						4,9
		CS-526	Advance Cryptography & Network security			√	√	√						
2	Elective -2**	CS-527	Advance Real Time Systems					√						
		CS-528	Forensic & Cyber Crime			√	√						4,9	
		CS-529	Digital Image Processing & its Applications			√		√					4,9	
		CS-530	Applied Data mining and Warehousing					√						