

Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur
(An Autonomous Institute Affiliated to Rajasthan Technical University, Kota)

Teaching and Examination Scheme-2024-25

M.Tech_Computer Science (CS)

Sr. No.	CODE	YEAR	SEM.	Course Code	Course Name	Category	Teaching Scheme			Exam Hrs.	Marks			Credit
							L	T	P		CIE	SEE	Total	
1	CS	I	I	CSPL101	Cyber Security	PCC	3	0	0	3	40	60	100	3
2	CS	I	I	CSPL102	Machine Learning & Pattern Recognition	PCC	3	0	0	3	40	60	100	3
3	CS	I	I	CSPL111	Artificial Neural Network	PEC	3	0	0	3	40	60	100	3
4	CS	I	I	CSPL112	Image Processing and Computer Vision	PEC	3	0	0	3	40	60	100	
5	CS	I	I	CSPL113	Computational Intelligence	PEC	3	0	0	3	40	60	100	3
6	CS	I	I	CSPL114	Computer Forensics	PEC	3	0	0	3	40	60	100	
7	CS	I	I	NP40.01	Optimization Techniques	MCC	3	0	0	3	40	60	100	3
8	CS	I	I	CSPP130	Cyber Security Lab	PCC	0	0	4	2	60	40	100	2
9	CS	I	I	CSPP131	Advanced Machine Learning with Python Lab	PCC	0	0	4	2	60	40	100	2
10	CS	I	I	NP99.XX	AUDIT COURSE	MCC	-	-	-	3	40	60	100	0
11	CS	I	I	CSPA100	Social Outreach, Discipline & Extra Curricular Activities (SODECA)	SODECA	-	-	-	-	-	-	100	1
											Total Credit			20

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1	CS	I	II	CSPL201	Advanced Data Structure	PCC	3	0	0	3	40	60	100	3
2	CS	I	II	CSPL202	High Performance Computing	PCC	3	0	0	3	40	60	100	3
3	CS	I	II	CSPL211	Cyber Physical Systems	PEC	3	0	0	3	40	60	100	3
4	CS	I	II	CSPL212	IoT Fundamentals & Architecture	PEC	3	0	0	3	40	60	100	
5	CS	I	II	CSPL213	Soft Computing	PEC	3	0	0	3	40	60	100	3
6	CS	I	II	CSPL214	Natural Language Processing & Information Retrieval	PEC	3	0	0	3	40	60	100	
7	CS	I	II	CSPP230	High Performance Computing Lab	PCC	0	0	4	2	60	40	100	2
8	CS	I	II	CSPP231	IoT based System design Lab	PCC	0	0	4	2	60	40	100	2
9	CS	I	II	CSPD250	Mini Project with Seminar	REW	0	0	4	2	60	40	100	2
10	CS	I	II	NP99.XX	AUDIT COURSE	MCC	-	-	-	3	40	60	100	0
11	CS	I	II	CSPA200	Social Outreach, Discipline & Extra Curricular Activities (SODECA)	SODECA	-	-	-	-	-	-	100	1
											Total Credit			19

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1	CS	II	III	CSPL311	Data Analytics and Visualization	PEC	3	0	0	3	40	60	100	3
2	CS	II	III	CSPL312	Generative AI	PEC	3	0	0	3	40	60	100	
3	CS	II	III	NP40.02	Research Methodology & IPR	MCC	3	0	0	3	40	60	100	3
4	CS	II	III		OPEN ELECTIVE	MCC	3	0	0	3	40	60	100	3
5	CS	II	III	CSPD360	Pre Dissertation	REW	-	-	-	-	240	160	400	12
											Total Credit			21
1	CS	II	IV	CSPD470	Dissertation	REW	-	-	-	-	360	240	600	20
											Total Credit			20

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Summary of Credit Distribution_M.Tech_Computer Science (CS)

Category	Proposed Credit Distribution for M.Tech. Program	Credit Distribution proposed by Department	Remarks (Discrepance if any)
PCC (Program Core Courses)	35	20	0
PEC (Program Elective Courses)-I		15	
PEC (Program Elective Courses)-II			
PEC (Program Elective Courses)-III			
PEC (Program Elective Courses)-IV			
PEC (Program Elective Courses)-V			
REW(Research Work)	34	34	0
MCC (Mandatory Course)	9	9	0
SODECA	2	2	0
Total	80	80	0

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Summary of Credit Distribution_M.Tech_Computer Science (CS)

Semester	Proposed Credit Distribution for M.Tech. Program	Credit Distribution proposed by Department	Remarks (Discrepance if any)
I	20	20	0
II	19	19	0
III	21	21	0
IV	20	20	0
Total	80	80	0