

Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur
 (An Autonomous Institute Affiliated to Rajasthan Technical University, Kota)
Teaching and Examination Scheme (For Students Admitted in A.Y. 2024-25 & onwards)
M.Tech.-Computer Science (CS)

M.Tech. I Year (Semester I)

Sr. No.	Branch	Year	Sem.	Course Code	Course Name	Category	Teaching & Learning Scheme					Exam Hrs.	Marks			Credits
							Classroom Instruction (CI) (in hours per semester)		Lab Instruction (LI) (in hours per semester)	Term Work (TW) and Self Learning (SL) (TW+ SL) (in hours per semester)	Total no. of Hours per semester		CIE	SEE	Total	
							L	T	P	SL						
1	CS	I	I	CSPL101	Cyber Security	PCC	45	0	0	45	90	3	40	60	100	3
2	CS	I	I	CSPL102	Machine Learning & Pattern Recognition	PCC	45	0	0	45	90	3	40	60	100	3
3	CS	I	I	CSPL111	Artificial Neural Network	PEC	45	0	0	45	90	3	40	60	100	3
4	CS	I	I	CSPL112	Image Processing and Computer Vision	PEC										
5	CS	I	I	CSPL113	Computational Intelligence	PEC	45	0	0	45	90	3	40	60	100	3
6	CS	I	I	CSPL114	Computer Forensics	PEC										
7	CS	I	I	NP40.01	Optimization Techniques	MCC	45	0	0	45	90	3	40	60	100	3
8	CS	I	I	CSPP130	Cyber Security Lab	PCC	0	0	60		60	2	60	40	100	2
9	CS	I	I	CSPP131	Advanced Machine Learning with Python Lab	PCC	0	0	60		60	2	60	40	100	2
10	CS	I	I	NP99.XX	AUDIT COURSE	MCC	-	-	-		0	3	40	60	100	0
11	CS	I	I	CSPA100	Social Outreach, Discipline & Extra Curricular Activities (SODECA)	SODECA	-	-	-		0	-	-	-	100	1
													Total Credit			20

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M.Tech. I Year (Semester II)

Sr. No.	Branch	Year	Sem.	Course Code	Course Name	Category	Teaching & Learning Scheme				Exam Hrs.	Marks			Credits	
							Classroom Instruction (CI) (in hours per semester)		Lab Instruction (LI) (in hours per semester)	Term Work (TW) and Self Learning (SL) (TW+ SL) (in hours per semester)		Total no. of Hours per semester	CIE	SEE		Total
							L	T	P	SL						
1	CS	I	II	CSPL201	Advanced Data Structure	PCC	45	0	0	45	90	3	40	60	100	3
2	CS	I	II	CSPL202	High Performance Computing	PCC	45	0	0	45	90	3	40	60	100	3
3	CS	I	II	CSPL211	Cyber Physical Systems	PEC	45	0	0	45	90	3	40	60	100	3
4	CS	I	II	CSPL212	IoT Fundamentals & Architecture	PEC							40	60	100	
5	CS	I	II	CSPL213	Soft Computing	PEC	45	0	0	45	90	3	40	60	100	3
6	CS	I	II	CSPL214	Natural Language Processing & Information Retrieval	PEC							40	60	100	
7	CS	I	II	CSPP230	High Performance Computing Lab	PCC	0	0	60	-	60	2	60	40	100	2
8	CS	I	II	CSPP231	IoT based System design Lab	PCC	0	0	60	-	60	2	60	40	100	2
9	CS	I	II	CSPD250	Mini Project with Seminar	REW	0	0	60	-	60	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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M.Tech. II Year (Semester III)

Sr. No.	Branch	Year	Sem.	Course Code	Course Name	Category	Teaching & Learning Scheme				Exam Hrs.	Marks			Credit	
							Classroom Instruction (CI) (in hours per semester)		Lab Instruction (LI) (in hours per semester)	Term Work (TW) and Self Learning (SL) (TW+ SL) (in hours per semester)		Total no. of Hours per semester	CIE	SEE		Total
							L	T	P	SL						
1	CS	II	III	CSPL311	Advanced Database Management Systems	PEC	45	0	0	45	90	3	40	60	100	3
2	CS	II	III	CSPL312	Nature Inspired Algorithms	PEC							40	60	100	
3	CS	II	III	NP40.02	Research Methodology & IPR	MCC	45	0	0	45	90	3	40	60	100	3
4	CS	II	III		OPEN ELECTIVE	MCC	45	0	0	45	90	3	40	60	100	3
5	CS	II	III	CSPD360	Pre-Dissertation	REW	-	-	360	-	360	-	240	160	400	12
													Total Credit			21

M.Tech. II Year (Semester IV)

Sr. No.	Branch	Year	Sem.	Course Code	Course Name	Category	Teaching & Learning Scheme					Exam Hrs.	Marks			Credit
							Classroom Instruction (CI) (in hours per semester)		Lab Instruction (LI) (in hours per semester)	Term Work (TW) and Self Learning (SL) (TW+ SL) (in hours per semester)	Total no. of Hours per semester		CIE	SEE	Total	
							L	T	P	SL						
1	CS	II	IV	CSPD470	Dissertation	REW	-	-	600	-	600	-	360	240	600	20
													Total Credit			20