Scheme of Instruction for First Year of M. Tech. (PG) Degree in Computer Science and Engineering

Sr. Course No. Category		Course	Course Title	L	T	P	Contact	Credits	EXAM SCHEME			
140.	Category Code				Hrs./Wk		MSE	ISE	ESE	TOTAL		
1	PCC	CS2101	Mathematical foundations of Computer Science	3	i sa	210	3	3	20	20	60	100
2	PCC	CS2110	Advanced Data Structures and Algorithms	3	ene.v	47	3	3	20	20	60	100
3	PEC	CS21*3	Program Elective I	3	-	24_11	3	3	20	20	60	100
4	PEC	CS21*4	Program Elective II	3	_	-	3	3	20	20		
5	MDC	RM2105	Research Methodology	2	-		2	2			60	100
6	PCC	CS2111	Laboratory 1(Advanced	-		4			20	20	60	100
		19730k	Data Structures and Algorithms)		-	4	4	2	-	25	25	50
7	PEC	CS2112	Laboratory 2 (Based on Elective I & II)		-	4	4	2	-	50	-	50
8	OEC	ÒE21*8	Open Elective	3			3	3	20	20		100
9	MNC	AU21*9	Audit Course I	2	_				20	20	60	100
			Total			-	2	Audit	-10	- 40	1-	11/5/8
		T T	Total	19	-	8	27	21	120	195	385	700

L- Lecture

T-Tutorial

P-Practical

MSE- Mid Semester Examination

ISE- In Semester Evaluation

ESE- End Semester Examination (For Laboratory End Semester performance)

*- Program Elective- I and II, Audit Course I, Open Elective list is provided at the end of structure.



Department of Information Technology Govt. College of Engineering Konsal

Scheme of Instruction for First Year of M. Tech. (PG) Degree in Computer Science and Engineering

	Semester - II (W.E.F. AY. 2025-26)
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Sr.	Sr. Course Course		Course Title	L	T	P	Contact	Credits	EXAM SCHEME			
No.	Category Code				Hrs/Wk		MSE	ISE	ESE	TOTAL		
1	PCC	CS2210	Advanced Computer Networks	3	ingant	K-EA	3	3	20	20	60	100
2	PCC	CS2211	Soft Computing	3	-	614	3	3	20	20	60	100
3	PEC	CS22*3	Program Elective III	3	-	-	3	3	20	20	60	100
4	PEC	CS22*4	Program Elective IV	3	-	-	3	3	20	20	60	100
5	PEC	CS22*5	Program Elective V	3	-		3	3	20	20	60	100
6	PCC	CS2212	Laboratory 3 (Based on cores)	-	-	4	4	2		25	25	50
7	PCC	CS2216	Laboratory 4 (Based on Elective III & IV)	-		4	4	2		50	-	50
8	P/S/IT	CS2208	Seminar	1-	-	4	4	2		100	-	100
9	MNC	AU22*9	Audit Course II	2	-	-	2	Audit			-	-
	1.2110		Total	17	-	12	29	21	100	225	325	700

L- Lecture

T-Tutorial

P-Practical

MSE- Mid Semester Examination

ISE- In Semester Evaluation

ESE- End Semester Examination (For Laboratory End Semester performance)

*- Program Elective- III, IV and V, Audit Course II list is provided at the end of structure.

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Scheme of Instruction for Second Year of M. Tech. (PG) Degree in Computer Science and Engineering Semester – III (W.E.F. AY. 2025-26)

Sr. No.	Course Category	Course Code	Course Title	L	T	P	Contact	Credits	EXAM SCHEME			
1	P/S/IT		Discout ti Bl				Hrs/Wk		MSE	ISE	ESE	TOTAL
2			Dissertation Phase-I	-	-	14	14	07	-	100	100	200
	MOOC	CS2302	MOOCs / OPEN COURSE (8-12 weeks)	- ·	-	-	-	03	-	-	100	100
			Total	00	00	14	14	10	-	100	200	300

Note:

1. CS2302 will be decided by respective Guide in Consultation with Program Coordinator. Course is mandatory for student and candidate dissertation phase I will be considered incomplete without this Mandatory MOOC Course.

2. In Case, the courses offered online are not completely relevant with the topic of dissertation then any course suggested by NASSCOM on recent technologies can be opted by candidate.

L- Lecture

T-Tutorial

P-Practical

MSE- Mid Semester Examination

ISE- In Semester Evaluation

ESE- End Semester Examination (For Laboratory End Semester performance)



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Govt. College of Engineering, KARAR

Scheme of Instruction for Second Year of M. Tech. (PG) Degree in Computer Science and Engineering Semester – IV (W.E.F. AY. 2025-26)

Sr.	Course	C 1	Credits	ts EXAM SCHEME								
No.	Category		Course Time				Hrs/Wk		MSE ISE ESE			TOTAL
1	P/S/IT	CS2401	Dissertation phase-II	_	-	32	32	16	-	100	200	300
-	1/5/11		Total	-	-	32	32	. 16	-	100	200	300

L- Lecture

T-Tutorial

P-Practical

MSE- Mid Semester Examination

ISE- In Semester Evaluation

ESE- End Semester Examination (For Laboratory End Semester performance)



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Scheme of Instruction for First and Second Year of M. Tech. (PG) Degree in Computer Science and Engineering **List of Electives**

Program Elective I	Program Elective II	Program Elective III	Program Elective IV	Program Elective V
Semester - I	Semester - I	Semester - II	Semester - II	
CS2143: Advanced Machine Learning	CS2144: Data Engineering	CS2243: Big Data Analytics	CS2214: Human Computer Interaction	Semester – II CS2245: Deep Learning
CS2153: Cloud Computing and Applications	CS2124: Advanced Distributed Systems	CS2253: Block Chain Technology	CS2224: GPU Computing	CS2255: Gen AI and Explainable AI
CS2133: Introduction to intelligent Systems	CS2134: Internet of Things	CS2263: Computer Vision	CS2244: Cryptography and Cyber Security	CS2235: Optimization Techniques

Audit Course I	Audit Course II	Open Elective	
Semester – I	Semester – II	Semester - I	
AU2119: Research Paper Writing	AU2219: Constitution of India	OE2118: Business Analytics	
AU2129: Disaster Management	AU2229: Pedagogy Studies	OE2128: Industrial Safety	
AU2139: Sanskrit for Technical Knowledge	AU2239: Stress Management by Yoga	OE2138: Operations Research	
AU2149: Value Education	AU2249: Personality Development through Life Enlightenment Skills	OE2148: Cost Management of Engineering Projects	
	医多侧性皮肤 医生物 经债券 医肠丛皮	OE2158: Composite Materials	
		OE2168: Waste to Energy	



