

R2025 – CURRICULUM -CATEGORY WISE

[illegible]

1	25CS203	Design and Analysis of Algorithm	3	0	0	3	1,3,5	40	60	100
2	25CS204	Computer Organisation and Architecture	3	0	0	3	1,2,3,5	40	60	100
3	25CS255	Database Management systems	2	0	2	3	1,2,3,5	50	50	100
4	25IT253	Artificial Intelligence & Machine Learning	2	0	2	3	1,2,3,5	50	50	100
5	25CS254	Operating Systems	2	0	2	3	1,3,5	50	50	100
6	25CS205	Computational Theory and Automata	3	0	0	3	1,2,3,4,5,6	40	60	100
7	25CS206	LLM with Deep Learning	3	0	0	3	1,2,3,4,5,6	40	60	100
8	25CS257	Software Engineering and Project Management	2	0	2	3	1,2,3,4,5,10,11	50	50	100
9	25IT254	Programming in Java	2	0	2	3	1,2,3,5	50	50	100
10	25CS261	Data communication and Networking	2	0	2	3	1,2,3,4,5,10,11	50	50	100
11	25CS258	Compiler Design and Program Translation	2	0	2	3	1,2,3,4,5	50	50	100
12	25CS260	Augmented, Virtual, & Mixed Reality (XR)	2	0	2	3	1,2,3,4,5	50	50	100
13	25IT256	Cloud Computing and Virtualization	2	0	2	3	1,2,3,4,5	50	50	100
14	25CS262	Cybersecurity Practices	2	0	2	3	1,2,3,4,6	50	50	100
16	25IT256	Web Technologies and Full Stack Development	2	0	2	3	1,2,3,5,7, 10	50	50	100
17	25CS259	Internet of Things and Smart Systems	2	0	2	3	1,2,3,5,7, 10	50	50	100
18	25CS211	Discrete Mathematics	2	1	0	3	1,2,3,5,10	40	60	100
19	25CS208	Quantum Algorithms and Computing systems	2	0	0	2	1,2,6,7,	40	60	100
20	25CS209	Mobile Computing and Wireless Technologies	2	0	0	2	1,2,6,7,	40	60	100
21	25CS210	Block chain Technologies	2	0	0	2	1,2,6,7,	40	60	100
22	25CS214	Big Data Analytics	3	0	0	3	1,2,6,7,	40	60	100

PEC - PROFESSIONAL ELECTIVE [6]

1	25CSE2E01	Professional Elective 1- IBM	3	0	0	3		40	60	100
2	25CSE2E02	Ethical Hacking and Penetration Texting	3	0	0	3	1,2,3,4	40	60	100
3	25CSE2E03	Robotics Operating system	3	0	0	3	1,2,3,4,5	40	60	100
4	25CSE2E04	AI in Cybersecurity	3	0	0	3	1,2,3,4	40	60	100
5	25CSE2E05	UI and UX Engineering	3	0	0	3	1,2,3,4,5	40	60	100
6	25CSE2E06	Edge Computing	3	0	0	3	1,2,3,4	40	60	100
7	25CSE2E07	Reinforcement Learning	3	0	0	3	1,2,3,4,5	40	60	100
8	25CSE2E08	Virtual Reality Interaction Design	3	0	0	3	1,2,3,4	40	60	100
9	25CSE2E09	Mixed Reality Systems	3	0	0	3	1,2,3,4,5	40	60	100

10	25CSE2E10	Computer Graphics and Virtualisation	3	0	0	3	1,2,3,4	40	60	100
OPC - OPEN ELECTIVE COURSES [6]										
1	25CS2E51	Open Elective 1	3	0	0	3		40	60	100
2	25CS2E52	Open Elective 2	3	0	0	3		40	60	100
IPW - INTERNSHIP & PROJECT WORK [12]										
1	25CS272	MINI PROJECT	0	0	4	2		60	40	100
2	25CS271	Professional Practice (Field Training/ Internship/Industry one credit course(2 courses)/live in lab)	0	0	4	2		100		
3	25CS273	Project Work	0	0	16	8		60	40	100
ETC - EMERGING TECHNOLOGY COURSE [6]										
1	25IT202	Modern Digital Technologies	2	0	0	2	1,2,3,4,5,6	40	60	100
2	25IT203	Prompt Engineering	2	0	0	2	1,2,3,4	40	60	100
3	25CS201	Data Science	2	0	0	2	1,2,3,4	40	60	100
4	25CS202	Artificial Intelligence	2	0	0	2	1,2,3,4	40	60	100
AEC - ABILITY ENHANCEMENT COURSE [4]										
1	25HS204	Design Thinking	1	0	0	1	5,9,11	40	60	100
2	25HS208	CDPC-1 Aptitude, Verbal, Logical	1	0	0	1	1,2,3,4,5	40	60	100
3	25HS209	CDPC-2 Technical	1	0	0	1	1,2,3,4,5	40	60	100
4	25HS210	Lingua skill	1	0	0	1	5,9,11	40	60	100
SDC - SKILL DEVELOPMENT COURSE [4]										
1	25EC271	Think Build Innovate Lab	0	0	2	1		60	40	100
2	25CS274	VAP	0	0	4	2		100	-	100
3	25CS275	Comprehensive VIVA	0	0	2	1		100	-	100
LAC - LIBERAL ARTS COURSE [4]										
1	25HS201	Heritage of Tamils	1	0	0	1	11	100	-	100
2	25HS203	Yoga	1	0	0	1	6	100	-	100
3	25HS202	Tamils and Technology	1	0	0	1	11	100	-	100
4	25MA205	Vedic Mathematics for Engineers	1	0	0	1	1,2,5,11	100	-	100
5	25MA206	Foundations of Problem Solving	1	0	0	1	1,2,4,9,11	100	-	100

6	25CS216	Industrial Revolutions & Emerging Trends in Manufacturing	2	0	0	2	1,2,5,6,10,11	40	60	100
7	25HS211	Indian Knowledge System	1	0	0	1	5,9,11	100	-	100
MC - MANDATORY COURSES [0]										
1	25HS252	Universal Human Values - I	1	0	0	0	7,11	100	-	100
2	25HS212	Constitution of India	1	0	0	0		100	-	100
3	25HS253	Universal Human Values - II	1	0	0	0	7,11	100	-	100