

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**R2025 – CURRICULUM – SEMESTER WISE****SEMESTER - I**

Sl. No.	Sem	Course Code	Course	Course Type	L	T	P	C
1	1	25HS204	Design Thinking	AEC	1	0	0	1
2	1	25MA201	Matrices and Calculus	BSC	3	1	0	4
3	1	25CH201	Green Computing	BSC	2	0	0	2
4	1	25IT201	Bio-inspired Computing	BSC	1	0	0	1
5	1	25CS251	C Programming	ESC	2	0	4	4
6	1	25CS270	Computer Practices Workshop	ESC	0	0	2	1
7	1	25IT202	Modern Digital Technologies	ETC	2	0	0	2
8	1	25HS251	Technical English	HSMC	2	0	2	3
9	1	25HS201	Heritage of Tamils	LAC	1	0	0	1
10	1	25HS203	Yoga	LAC	1	0	0	1

SEMESTER - II

Sl. No.	Sem	Course Code	Course	Course Type	L	T	P	C
1	2	25PH253	Engineering Physics	BSC	2	0	2	3
2	2	25MA202	Linear Algebra and Number Theory	BSC	3	1	0	4
3	2	25IT251	Object Oriented Programming	ESC	2	0	4	4
4	2	25IT203	Prompt Engineering	ETC	2	0	0	2
5	2	25HS270	Professional English	HSMC	0	0	2	1
6	2	25HS202	Tamils and Technology	LAC	1	0	0	1
7	2	25HS252	Universal Human Values – I	MC	1	0	0	0
8	2	25EC271	Think Build Innovate Lab	SDC	0	0	2	1
9	2	25CS252	Data Structures	PCC	2	0	2	3
10	2	25EC202	Digital Principles and System Design	ESC	2	0	2	3

SEMESTER – III

Sl. No.	Sem	Course Code	Course	Course Type	L	T	P	C
1	3	25IT205	Universal Acceptance	ESC	2	0	0	2
2	3	25IT210	Cybercrimes – Law, Practice and Procedures [CIP]	LAC	2	0	0	2
3	3	25CS2E01	Professional Elective 1 – Clean Coding & Devops (IBM)	PEC	3	0	0	3
4	3	25MA207	Probability and Statistics	BSC	3	1	0	4
5	3	25EE256	Sensor and Instrumentation	ESC	1	0	2	2
6	3	25IT252	Python for Scientific Computing	ESC	2	0	2	3
7	3	25CS203	Design and Analysis of Algorithm	PCC	3	0	0	3
8	3	25HS253	Universal Human Values - II	MC	1	0	0	0
9	3	25CS204	Computer Organisation & Architecture	PCC	3	0	0	3
10	3	25CS254	Operating System	PCC	2	0	2	3
11	3	25CS255	Database Management systems	PCC	2	0	2	3

SEMESTER – IV

Sl. No.	Sem	Course Code	Course	Course Type	L	T	P	C
1	4	25HS212	Constitution of India	MC	1	0	0	0
2	4	25IT253	Artificial Intelligence & Machine Learning	PCC	2	0	2	3
3	4	25CS2E51	Open Elective 1	OPC	3	0	0	3
4	4	25CS205	Computational Theory and Automata	PCC	3	0	0	3
5	4	25IT254	Programming in Java	PCC	2	0	2	3
6	4	25HS208	CDPC-1 Aptitude, Verbal, Logical	AEC	1	0	0	1
7	4	25HS210	Lingua skill	AEC	1	0	0	1
8	4	25CS211	Discrete Mathematics	PCC	2	1	0	3
9	4	25CS262	Cybersecurity Practices	PCC	2	0	2	3
10	4	25CS212	Universal Human Values - III (Information Ethics and Digital Society)	HSMC	1	0	0	1

11	4	25CS271	Professional Practice (Field Training/ Internship/Industry one credit course (2 courses)/live in lab)	IPW	0	0	4	2
12	4	25CS274	VAP	SDC	0	0	4	2
13	4	25CS261	Data Communication and Networking	PCC	2	0	2	3

SEMESTER – V

Sl. No .	Sem	Course Code	Course	Course Type	L	T	P	C
1	5	25CS206	LLM with Deep Learning	PCC	3	0	0	3
2	5	25CS257	Software Development and Project Management	PCC	2	0	2	3
3	5	25IT256	Web Technologies and Full Stack Development	PCC	2	0	2	3
4	5	25CS258	Compiler Design and Program Translation	PCC	2	0	2	3
5	5	25CS2E52	Open Elective 2	OPC	3	0	0	3
6	5	25HS207	Environment, Sustainability and Society	HSMC	2	0	0	2
7	5	25CS215	Software Development standards	HSMC	1	0	0	1
8	5	25CS209	Mobile Computing and Wireless Technologies	PCC	2	0	0	2
9	5	25CS214	Big Data Analytics	ETC	3	0	0	3
10	5	25HS211	Indian Knowledge System	LAC	1	0	0	1

SEMESTER – VI

Sl. No .	Sem	Course Code	Course	Course Type	L	T	P	C
1	6	25IT257	Cloud Computing and Virtualization	PCC	2	0	2	3
2	6	25HS209	CDPC-2 Technical	AEC	1	0	0	1
3	6	25CS272	MINI PROJECT	IPW	0	0	4	2
4	6	25CS275	Comprehensive VIVA	SDC	0	0	2	1
5	6	25CS2E02	Professional Elective 2	PEC	3	0	0	3

6	6	25CS2E03	Professional Elective 3	PEC	3	0	0	3
7	6	25CS260	Augmented, Virtual & Mixed Reality (XR)	PCC	2	0	2	3
8	6	25CS208	Quantum Algorithms and Computing Systems	PCC	2	0	0	2
9	6	25CS259	Internet of things and Smart systems	PCC	2	0	2	3
10	6	25CS210	Blockchain Technologies	PCC	2	0	0	2

SEMESTER – VII

Sl. No.	Sem	Course Code	Course	Course Type	L	T	P	C
1	7	25CS2E04	Professional Elective 4	PEC	3	0	0	3
2	7	25CS2E05	Professional Elective 5	PEC	3	0	0	3
3	7	25CS2E06	Professional Elective 6	PEC	3	0	0	3

SEMESTER – VIII

Sl. No.	Sem	Course Code	Course	Course Type	L	T	P	C
1	8	25CS273	Project Work	IPW	0	0	16	8