



**M.E COMPUTER SCIENCE AND ENGINEERING
REGULATIONS 2024**

SEMESTER I

S. NO	COURSE CODE	COURSE TITLE	CATE-GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDIT
				L	T	P		
THEORY								
1.	24MA1R011	Applied Probability and Statistics for Computer Science Engineers	FC	3	1	0	5	4
2.	24RM1R001	Research Methodologies and IPR	RMC	2	0	0	2	2
3.	24MC1R001	Advanced Data Structures and Algorithms	PCC	3	0	0	3	3
4.	24MC1R002	Advanced Database Systems	PCC	3	0	2	5	4
5.	24MC1R003	Networking Technologies	PCC	3	0	0	3	3
6.	24MC1R004	Principles of Data science	PCC	3	0	0	3	3
7.		Audit Course– I	AC	2	0	0	2	0
PRACTICAL								
8.	24MC1R005	Advanced Data Structures and Algorithms Laboratory	PCC	0	0	4	4	2
TOTAL				19	1	6	27	21

SEMESTER II

S. NO	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDIT
				L	T	P		
THEORY								
1.	24MC2R006	Internet of Things	PCC	3	0	2	5	4
2.	24MC2R007	Cloud Computing Technologies	PCC	3	0	2	5	4
3.	24MC2R008	Machine Learning	PCC	3	0	3	6	4.5
4.	24MC2R009	Big Data mining and Analytics	PCC	3	0	0	3	3
5.		Professional Elective-I	PEC	3	0	0	3	3
6.		Professional Elective-II	PEC	3	0	0	3	3
7.		Audit course-II	AC	2	0	0	2	0
PRACTICAL								
8.	24MC2R010	Term Paper writing and seminar	EEC	0	0	2	2	1
9.	24MC2R011	Big Data Computing Laboratory	PCC	0	0	3	3	1.5
TOTAL				20	0	12	32	24

SEMESTER III

S. NO	COURSE CODE	COURSE TITLE	CATE - GORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDIT
				L	T	P		
THEORY								
1.	24MC3R012	Cyber Security	PCC	3	0	0	3	3
2.		Professional Elective-III	PEC	3	0	0	3	3
3.		Professional Elective-IV	PEC	3	0	2	5	4
4.		Professional Elective-V	PEC	3	0	0	3	3
PRACTICAL								
5.	24MC3P001	Project Work–I	EEC	0	0	12	12	6
TOTAL				12	0	14	26	19

SEMESTER IV

S. NO	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDIT
				L	T	P		
PRACTICAL								
1.	24MC4P002	Project Work –II	EEC	0	0	24	24	12
TOTAL				0	0	24	24	12

PROFESSIONAL ELECTIVES - SEMESTER II

S. NO	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDIT
				L	T	P		
1.	24MC2PE01	Ethical Hacking	PEC	3	0	0	3	3
2.	24MC2PE02	Principles of Cryptography	PEC	3	0	0	3	3
3.	24MC2PE03	Advanced Software Engineering	PEC	3	0	0	3	3
4.	24MC2PE04	Semantic Web	PEC	3	0	0	3	3
5.	24MC2PE05	Mobile Application Development	PEC	3	0	0	3	3
6.	24MC2PE06	Multimedia Systems and Applications	PEC	3	0	0	3	3
7.	24MC2PE07	Information Retrieval Techniques	PEC	3	0	0	3	3
8.	24MC2PE08	Parallel Algorithms	PEC	3	0	0	3	3
9.	24MC2PE09	Soft Computing	PEC	3	0	0	3	3
10.	24MC2PE10	Game Theory	PEC	3	0	0	3	3
11.	24MC2PE11	Adhoc and Wireless Sensor Networks	PEC	3	0	0	3	3
12.	24MC2PE12	Software Security	PEC	3	0	0	3	3
13.	24MC2PE13	Virtualization Techniques	PEC	3	0	0	3	3
14.	24MC2PE14	Database Administration and Tuning	PEC	3	0	0	3	3
15.	24MC2PE15	Data Warehousing and Data Mining Techniques	PEC	3	0	0	3	3
16.	24MC2PE16	Social Network Analysis	PEC	3	0	0	3	3
17.	24MC2PE17	Software Testing and Quality Assurance	PEC	3	0	0	3	3
18.	24MC2PE18	User Interface Design	PEC	3	0	0	3	3

PROFESSIONAL ELECTIVES - SEMESTER III

S NO	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDIT
				L	T	P		
1.	24MC3PE01	Software Reliability Metrics and Models	PEC	3	0	0	3	3
2.	24MC3PE02	Wireless Communications	PEC	3	0	0	3	3
3.	24MC3PE03	Agile Methodologies	PEC	3	0	0	3	3
4.	24MC3PE04	Statistical Natural Language Processing	PEC	3	0	0	3	3
5.	24MC3PE05	Quantum Computing	PEC	3	0	0	3	3
6.	24MC3PE06	Formal Methods in Software Systems	PEC	3	0	0	3	3
7.	24MC3PE07	GPU Computing	PEC	3	0	0	3	3
8.	24MC3PE08	Devops and Micro services	PEC	3	0	0	3	3
9.	24MC3PE09	Full Stack Web Application Development	PEC	3	0	2	5	4
10.	24MC3PE10	Bioinformatics	PEC	3	0	0	3	3
11.	24MC3PE11	Cyber Physical Systems	PEC	3	0	0	3	3
12.	24MC3PE12	Mixed Reality	PEC	3	0	2	5	4
13.	24MC3PE13	Digital Image and Video Processing	PEC	3	0	2	5	4
14.	24MC3PE14	Web Content Design and Management	PEC	3	0	2	5	4
15.	24MC3PE15	Deep Learning	PEC	3	0	2	5	4
16.	24MC3PE16	Blockchain Technologies	PEC	3	0	2	5	4

AUDIT COURSES (AC)

S. NO	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			CREDIT
				L	T	P	
1.	24MC1AX01	English for Research Paper Writing	AC	2	0	0	0
2.	24MC1AX02	Disaster Management	AC	2	0	0	0
3.	24MC2AX03	Constitution of India	AC	2	0	0	0
4.	24MC2AX04	நற்றமிழ் இலக்கியம்	AC	2	0	0	0

S.No	Subject Area	CREDITS PER SEMESTER				Total Credit
		I	II	III	IV	
1	FC	4	0	0	0	4
2	PCC	15	17	3	0	35
3	PEC	0	6	10	0	16
4	RMC	2	0	0	0	2
6	EEC	0	1	6	12	19
7	NC/ Mandatory	*	*	-	-	-
TOTAL		21	24	19	12	76