

M.E. COMPUTER SCIENCE AND ENGINEERING REGULATIONS – 2019 CHOICE BASED CREDIT SYSTEM

CURRICULUM FOR I TO II SEMESTERS

SEMESTER I

SL.NO.	COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	C
THEORY							
1	P19MA102	Probability, Statistics and Graph Theory	FC	3	1	0	4
2	P19CS101	Modern Operating Systems	PC	3	0	0	3
3	P19CS102	Agile Software Development and Usability Engineering	PC	3	0	0	3
4	P19CS103	Machine Learning	PC	3	0	0	3
5		Professional Elective I	PE	3	0	0	3
6	P19CS104	Research Methodology	FC	3	0	0	3
PRACTICALS							
7	P19CS105	Design and Analysis of Algorithms Lab	PC	0	0	2	2
TOTAL				18	1	2	21

SEMESTER II

SL.NO.	COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	C
THEORY							
1	P19CS201	Protocol Design and Verification	PC	3	0	0	3
2	P19CS202	Internet of Things	PC	3	0	0	3
3	P19CS203	Big Data Analytics	PC	3	0	0	3
4		Professional Elective II	PE	3	0	0	3
5		Professional Elective III	PE	3	0	0	3
6		Professional Elective IV	PE	3	0	0	3
PRACTICALS							
7	P19CS204	Data Analytics Laboratory	PC	0	0	2	2
8	P19CS205	Mini Project	EEC	0	0	2	2
9	P19CS206	Internship	EEC	-	-	-	1
TOTAL				18	0	4	23

PROFESSIONAL ELECTIVES (PE)

SL. NO.	COURSE CODE	COURSE TITLE	L	T	P	C
1	P19CSP01	Cloud Computing Technologies	3	0	0	3
2	P19CSP02	Mobile and Pervasive Computing	3	0	0	3
3	P19CSP03	Information Retrieval Techniques	3	0	0	3
4	P19CSP04	Image Processing and Analysis	3	0	0	3
5	P19CSP05	Real Time Systems	3	0	0	3
6	P19CSP06	Performance Analysis of Computer Systems	3	0	0	3
7	P19CSP07	Identity and Access Management	3	0	0	3
8	P19CSP08	Web Engineering	3	0	0	3
9	P19CSP09	Formal Models of Software Systems	3	0	0	3
10	P19CSP10	Data Visualization	3	0	0	3
11	P19CSP11	Software Defined Networks	3	0	0	3
12	P19CSP12	Augmented Reality	3	0	0	3
13	P19CSP13	Parallel Programming Paradigms	3	0	0	3
14	P19CSP14	Fault Tolerant Computing Systems	3	0	0	3
15	P19CSP15	Natural Language Processing	3	0	0	3
16	P19CSP16	Enterprise Computing	3	0	0	3
17	P19CSP17	Reconfigurable Computing	3	0	0	3
18	P19CSP18	Software Quality Assurance and Testing	3	0	0	3
19	P19CSP19	Cyber Physical Systems	3	0	0	3
20	P19CSP20	Deep Learning	3	0	0	3
21	P19CSP21	Language Technologies	3	0	0	3
22	P19CSP22	Computer Vision	3	0	0	3
23	P19CSP23	Speech Processing and Synthesis	3	0	0	3
24	P19CSP24	Embedded Software Development	3	0	0	3
25	P19CSP25	Information Storage Management	3	0	0	3
26	P19CSP26	Social Network Analysis	3	0	0	3
27	P19CSP27	Bio-inspired Computing	3	0	0	3