

SETHU INSTITUTE OF TECHNOLOGY, Pulloor, Kariapatti – 626 115

M.E. Degree Programme

CBCS CURRICULUM

Regulations 2021

(Applicable to the students admitted from the Academic Year 2021-2022 onwards)

Master of Engineering in COMPUTER SCIENCE AND ENGINEERING

OVERALL COURSE STRUCTURE

Category	Total No. of Courses	Credits	Percentage
Programme-CORE	9	26	37.14
Programme- ELECTIVE	6	18	25.71
Open Elective	1	3	4.28
Project Work	3	20	28.57
Mandatory Credit Course	1	3	4.28
Audit Course	2	-	-
TOTAL	22	70	100

COURSE CREDITS – SEMESTER WISE

Branch	I	II	III	IV	TOTAL
M.E(CSE)	18	22	18	12	70

SEMESTER I

S.No.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	21PCS101	Advanced Data Structures and Algorithms	3	1	0	4
2.	21PCS102	Advanced Database Technologies	3	1	0	4
3.		Program Elective I	3	0	0	3
4.	21PGM701	Research Methodology and IPR	3	0	0	3
5.	21PGM801	Pedagogy Studies(Audit Course I)	2	0	0	0
PRACTICAL						
6.	21PCS103	Advanced Data Structures Laboratory	0	0	4	2
7.	21PCS104	Advanced Database Technologies Laboratory	0	0	4	2
Total			14	2	8	18
Total Number of Credits: 18						

SEMESTER II

S.No.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	21PCS201	Image Processing and Analysis	3	0	0	3
2.	21PCS202	Cloud Computing Technologies	3	0	0	3
3.	21PCS203	Big Data Analytics	3	0	0	3
4.	21PCS204	Network Security	3	0	0	3
5.		Program Elective II	3	0	0	3
6.		Program Elective III	3	0	0	3
PRACTICAL						
7.	21PCS205	Image Processing and Analysis Laboratory	0	0	4	2
8.	21PCS206	Term Paper and Seminar	0	0	4	2
Total			18	0	8	22
Total Number of Credits: 22						

SEMESTER III

S.No.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.		Program Elective IV	3	0	0	3
2.		Program Elective V	3	0	0	3
3.		Program Elective VI	3	0	0	3
4.		Open Elective	3	0	0	3
5.	21PGM802	English for Research Paper Writing(Audit Course 2)	2	0	0	0
PRACTICAL						
6.	21PCS301	Dissertation-I /Industrial Project	0	0	10	6
Total			14	0	10	18
Total Number of Credits: 18						

SEMESTER IV

S.No.	COURSE CODE	COURSE TITLE	L	T	P	C
PRACTICAL						
1.	21PCS401	Dissertation II	0	0	20	12
Total			0	0	20	12
Total Number of Credits: 12						

TOTAL NO. OF CREDITS: 70

PROGRAM ELECTIVES

S.No.	COURSE CODE	COURSE TITLE	L	T	P	C
1	21PMA501	Mathematical foundations of Computer Science	3	0	0	3
2	21PCS502	Data Warehouse and Data Mining	3	0	0	3
3	21PCS503	Operating System Design	3	0	0	3
4	21PCS504	Natural Language Processing	3	0	0	3
5	21PCS505	Machine Learning Techniques	3	0	0	3
6	21PCS506	Multicore Architecture	3	0	0	3
7	21PCS507	Cryptocurrency using Blockchain	3	0	0	3
8	21PCS508	Digital Forensics	3	0	0	3
9	21PCS509	Embedded Software Development	3	0	0	3
10	21PCS510	Wireless Sensor Networks	3	0	0	3
11	21PCS511	Introduction to Intelligent Systems	3	0	0	3
12	21PCS512	Deep Learning Techniques	3	0	0	3
13	21PCS513	Video Analytics	3	0	0	3
14	21PCS514	Social Network Analysis	3	0	0	3
15	21PCS515	Wireless Access Technologies	3	0	0	3
16	21PCS516	Analytical Datascience	3	0	0	3
17	21PCS517	Augmented and Virtual Reality	3	0	0	3
18	21PCS518	3D Modeling and Printing Technology	3	0	0	3

OPEN ELECTIVES

S.No.	COURSE CODE	COURSE TITLE	L	T	P	C
1	21PCD601	Industrial Safety	3	0	0	3
2	21PCS602	Business Analytics	3	0	0	3
3	21PCM603	IOT for Smart Applications	3	0	0	3
4	21PPE604	Bioenergy from Waste	3	0	0	3
5	21PSE605	Smart City Technologies	3	0	0	3

Ph.D ELECTIVES

S.No.	COURSE CODE	COURSE TITLE	L	T	P	C
1	21PCS901	Soft Computing	3	0	0	3
2	21PCS902	Data Storage Technologies and Networks	3	0	0	3
3	21PCS903	Smart Sensors and Internet of Things	3	0	0	3
4	21PCS904	Optimization Techniques	3	0	0	3
5	21PCS905	Security in Computing	3	0	0	3
6	21PCS906	Biometrics	3	0	0	3

Audit course 1 & 2

1. English for Research Paper Writing
2. Disaster Management
3. Sanskrit for Technical Knowledge
4. Value Education
5. Constitution of India
6. Pedagogy Studies
7. Stress Management by Yoga
8. Personality Development through Life Enlightenment Skills.