

SEMESTER – I

SL.NO.	COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	C
THEORY							
1		Language Elective I*	HSM	1	0	2	2
2		Calculus and Differential Equations	BS	3	1	0	4
3		Engineering Physics – I (CSE)	BS	3	0	0	3
4		Engineering Chemistry – I	BS	2	0	2	3
5		Problem Solving using Python Programming	ES	2	0	2	3
6		Electronic Devices	ES	3	0	0	3
PRACTICALS							
7		Workshop (CSE)	ES	0	0	4	2
TOTAL				14	1	10	20

*U19LE101–Basic English / U19LE102–Communicative English

SEMESTER – II

SL.NO.	COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	C
THEORY							
1		Language Elective II**	HSM	1	0	2	2
2		Fourier Series and Partial Differential Equations	BS	3	1	0	4
3		Basics of Electrical Engineering	ES	3	0	0	3
4		Computational Thinking	ES	2	0	2	3
5		Digital Logic and Design	ES	3	0	0	3
6		Numerical Aptitude and Verbal Ability I	EEC	1	0	0	1
PRACTICALS							
7		Engineering Graphics	ES	1	0	4	3
8		Digital Logic and Design Lab	ES	0	0	2	1
TOTAL				14	1	10	20

** U19LE201- Advanced Communicative English/ Other languages

SEMESTER - III

SL.NO.	COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	C
THEORY							
1		Ethics and Holistic Life	HS	3	0	0	3
2		Discrete Mathematics	BS	3	1	0	4
3		Computer Organization and Architecture	PC	3	0	0	3
4		Data Structures	PC	3	0	0	3
5		Software Engineering and Project Management	PC	3	0	0	3
6		Introduction to Biology for Engineers	PC	3	0	0	3
7		Numerical Aptitude and Verbal Ability II	EEC	1	0	0	1
PRACTICALS							
8		Data Structures Lab	PC	0	0	2	1
9		Case Tools Lab	PC	0	0	4	2
TOTAL				19	1	6	23

**** U19LE201- Advanced Communicative English/ Other languages**

SEMESTER - IV

SL.NO.	COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	C
THEORY							
1		Probability and Queuing Theory	BS	3	0	0	3
2		Operating Systems	PC	3	0	0	3
3		Design and Analysis of Algorithms	PC	3	0	0	3
4		Microprocessor and Microcontroller	PC	2	0	2	3
5		Database Management Systems	PC	3	0	0	3
6		OOPS and Advanced Data Structures	PC	2	0	2	3
PRACTICALS							
7		Operating Systems Lab	PC	0	0	2	1
8		Database Management Systems Lab	PC	0	0	4	2
TOTAL				16	0	10	21

SEMESTER - V

SL.NO.	COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	C
THEORY							
1		Data Science	BS	3	0	0	3
2		Artificial Intelligence and Machine Learning	PC	3	0	0	3
3		Data Warehousing and its Applications	PC	3	0	0	3
4		Computer Networks	PC	2	0	2	3
5		Professional Elective 1	PC	3	0	0	3
6		Open Elective 1	OE	3	0	0	3
PRACTICALS							
7		Computer Networks Lab	PC	0	0	4	2
8		Machine Learning Lab	PC	0	0	4	2
TOTAL				17	0	10	22

SEMESTER - VI

SL.NO.	COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	C
THEORY							
1		Genetic algorithm and its Applications	HS	3	0	0	3
2		Compiler Engineering	PC	3	0	0	3
3		Nature Inspired Computing Techniques	PC	2	0	2	3
4		Professional Elective 2	PE	3	0	0	3
5		Professional Elective 3	OE	3	0	0	3
6		Open Elective 2	OE	3	0	0	3
PRACTICALS							
7		Compiler Engineering Lab	PC	0	0	4	2
8		Mini Project	EEC	0	0	2	1
TOTAL				17	0	8	21

SEMESTER - VII

SL.NO.	COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	C
THEORY							
1		Fuzzy Logic and its Applications	HS	3	0	0	3
2		Artificial Neural Networks	PC	3	0	0	3
3		Professional Elective 4	PE	3	0	0	3
4		Professional Elective 5	PE	3	0	0	3
5		Professional Elective 6	PE	3	0	0	3
6		Open Elective 3	OE	3	0	0	3
PRACTICALS							
7		Fuzzy and ANN lab	PC	0	0	2	1
8		Technical Seminar	EEC	0	0	2	1
TOTAL				18	0	4	20

SEMESTER - VIII

SL.NO.	COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	C
THEORY							
1		Professional Elective 7	PE	3	0	0	3
2		Professional Elective 8	PE	3	0	0	3
PRACTICALS							
3		Project	EEC	0	0	20	10
TOTAL				6	0	20	16

SUB. TOTAL CREDITS:	163
INTERNSHIP:	02
MANDATORY COURSES:	00
TOTAL NO. OF CREDITS:	165