



PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2019-2020
M.E (CSE) LIST OF COURSES

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	Category	Contact Periods	L	T	P	C
I	1.	MA5160	Applied Probability and Statistics	FC	4	4	0	0	4
I	2.	CP5151	Advanced Data structures and Algorithm	PC	4	4	0	0	4
I	3.	CP5152	Advanced Computer Architecture	PC	3	3	0	0	3
I	4.	CP5153	Operating system Internals	PC	3	3	0	0	3
I	5.	CP5154	Advanced software Engineering	PC	3	3	0	0	3
I	6.	CP5191	Machine Learning Techniques	PC	3	3	0	0	3
I	7.	CP5161	Data structures lab	PC	4	0	0	4	2
TOTAL					24	20	0	4	22

SEMESTER II

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	Category	Contact Periods	L	T	P	C
II	1.	CP5201	Network Design and Technologies	PC	3	3	0	0	3
II	2.	CP5291	Security Practices	PC	3	3	0	0	3
II	3.	CP5292	Internet of Things	PC	3	3	0	0	3
II	4.	CP5293	Big data Analytics	PC	3	3	0	0	3
II	5.	CP5001	Elective I- Principles of Programming Language	PE	3	3	0	0	3
II	6.	CP5094	Elective II-Information Retrieval Techniques	PE	3	3	0	0	3
II	7.	CP5261	Data Analytics Lab	PC	4	0	0	4	2
II	8.	CP5281	Term Paper writing and seminar	EEC	2	0	0	2	1
TOTAL					24	18	0	6	21

SEMESTER III

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	Category	Contact Periods	L	T	P	C
III	1.	CP5005	Professional Elective III- Software Quality Assurance and testing	PE	3	3	0	0	3
III	2.	CP5073	Professional Elective IV- Embedded Software Development	PE	3	3	0	0	3
III	3.	CP5097	Professional Elective V- Mobile Application Development	PE	3	3	0	0	3
III	4.	CP5311	Project Work (phase II)	EEC	12	0	0	12	6
TOTAL					21	9	0	12	15

SEMESTER IV

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	Category	Contact Periods	L	T	P	C
IV	1.	CP5411	Project Work (phase II)	EEC	24	0	0	24	12
TOTAL					24	0	0	24	12

TOTAL NO OF CREDITS: 70

V. R. V.
HOD

Plm

PRINCIPAL

Dr. RAMESH P.L.N., B.Tech., M.Tech., Ph.D.

Principal

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