



PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2016-17
LIST OF COURSES

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
I	1.	HS6151	Technical English - I	3	1	0	4
I	2.	MA6151	Mathematics – I	3	1	0	4
I	3.	PH6151	Engineering Physics – I	3	0	0	3
I	4.	CY6151	Engineering Chemistry – I	3	0	0	3
I	5.	GE6151	Computer Programming	3	0	0	3
I	6.	GE6152	Engineering Graphics	2	0	3	4
I	7.	GE6161	Computer Practices Laboratory	0	0	3	2
I	8.	GE6162	Engineering Practices Laboratory	0	0	3	2
I	9.	GE6163	Physics and Chemistry Laboratory - I	0	0	2	1
TOTAL				17	2	11	26

SEMESTER II

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
II	1.	HS6251	Technical English - II	3	1	0	4
II	2.	MA6251	Mathematics – II	3	1	0	4
II	3.	PH6251	Engineering Physics – II	3	0	0	3
II	4.	CY6251	Engineering Chemistry – II	3	0	0	3
II	5.	CS6201	Digital Principles and System Design	3	0	0	3
II	6.	CS6202	Programming and Data Structures I	3	0	0	3
II	7.	GE6262	Physics and Chemistry Laboratory - II	0	0	2	1
II	8.	CS6211	Digital Laboratory	0	0	3	2
II	9.	CS6212	Programming and Data Structures Laboratory I	0	0	3	2
TOTAL				18	2	8	25

SEMESTER III

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
III	1.	MA6351	Transforms and Partial Differential Equations	3	1	0	4
III	2.	CS6301	Programming and Data Structure II	3	0	0	3
III	3.	CS6302	Database Management Systems	3	0	0	3
III	4.	CS6303	Computer Architecture	3	0	0	3
III	5.	CS6304	Analog and Digital Communication	3	0	0	3
III	6.	GE6351	Environmental Science and Engineering	3	0	0	3
III	7.	CS6311	Programming and Data Structure Laboratory I	0	0	3	2
III	8.	CS6312	Database Management Systems Laboratory	0	0	3	2
TOTAL				18	1	6	23

SEMESTER IV

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
IV	1.	MA6453	Probability and Queueing Theory	3	1	0	4
IV	2.	CS6551	Computer Networks	3	0	0	3
IV	3.	CS6401	Operating Systems	3	0	0	3
IV	4.	CS6402	Design and Analysis of Algorithms	3	0	0	3
IV	5.	EC6504	Microprocessor and Microcontroller	3	0	0	3
IV	6.	CS6403	Software Engineering	3	0	0	3
IV	7.	CS6411	Networks Laboratory	0	0	3	2
IV	8.	CS6412	Microprocessor and Microcontroller Laboratory	0	0	3	2

SEMESTER V							
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
V	1.	MA6566	Discrete Mathematics	3	1	0	4
V	2.	CS6501	Internet Programming	3	1	0	4
V	3.	CS6502	Object Oriented Analysis and Design	3	0	0	3
V	4.	CS6503	Theory of Computation	3	0	0	3
V	5.	CS6504	Computer Graphics	3	0	0	3
V	6.	CS6511	Case Tools Laboratory	0	0	3	2
V	7.	CS6512	Internet Programming Laboratory	0	0	3	2
V	8.	CS6513	Computer Graphics Laboratory	0	0	3	2
TOTAL				15	2	9	23

SEMESTER VI							
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
VI	1.	CS6601	Distributed Systems	3	0	0	3
VI	2.	IT6601	Mobile Computing	3	0	0	3
VI	3.	CS6660	Compiler Design	3	1	0	4
VI	4.	IT6502	Digital Signal Processing	3	0	0	3
VI	5.	CS6659	Artificial Intelligence	3	0	0	3
VI	6.	GE6757	Elective 1: Total Quality Management	0	0	3	2
VI	7.	CS6611	Mobile Application Development Laboratory	0	0	3	2
VI	8.	CS6612	Compiler Laboratory	0	0	4	2
VI	9.	GE6674	Communication and Soft Skills - Laboratory Based	0	0	4	2
TOTAL				18	1	10	25

SEMESTER VII							
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
VII	1.	CS6701	Cryptography and Network Security	3	0	0	3
VII	2.	CS6702	Graph Theory and Applications	3	0	0	3
VII	3.	CS6703	Grid and Cloud Computing	3	0	0	3
VII	4.	CS6704	Resource Management Techniques	3	0	0	3
VII	5.	IT6801	Elective II: Service Oriented Architecture	3	0	0	3
VII	6.	CS6007	Elective III: Information Retrieval	0	0	3	2
VII	7.	CS6711	Security Laboratory	0	0	3	2
VII	8.	CS6712	Grid and Cloud Computing Laboratory	18	0	6	22
TOTAL				18	0	6	22

SEMESTER VIII							
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
VIII	1.	CS6801	Multicore Architecture and Programming	3	0	0	3
VIII	2.	CS6008	Elective IV: Human Computer Interaction	3	0	0	3
VIII	3.	GE6075	Elective V: Professional Ethics	0	0	12	6
VIII	4.	CS2451	Project Work	9	0	12	15
TOTAL				9	0	12	15

TOTAL NO OF CREDITS: 184

V. R. K. R.

HOD, CSE

PLN ————
PRINCIPAL

Dr. RAMESH P.L.N., B.Tech., M.Tech., Ph.D.
Principal
PRATHYUSHA ENGINEERING COLLEGE
Poonamallee to Thiruvallur High Road,
Chennai- 602025