



PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2019-20
LIST OF COURSES

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C	Category	Periods
I	1.	HS8151	Communicative English	4	0	0	4	HS	4
I	2.	MA8151	Engineering Maths I	4	0	0	4	BS	4
I	3.	PH8151	Engineering Physics	3	0	0	3	BS	3
I	4.	CY8151	Engineering Chemistry	3	0	0	3	BS	3
I	5.	GE8151	Problem Solving and Python Programming	3	0	0	3	ES	3
I	6.	GE8152	Engineering Graphics	2	0	4	4	ES	6
I	7.	GE8161	Problem Solving and Python Programming	0	0	4	2	ES	4
I	8.	BS8161	Physics and Chemistry Laboratory	0	0	4	2	BS	4
TOTAL				19	0	12	25		31

SEMESTER II

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C	Category	Periods
II	1.	HS8251	Technical English	4	0	0	4	HS	4
II	2.	MA8251	Engineering Mathematics – II	4	0	0	4	BS	4
II	3.	PH8252	Physics for Information Science	3	0	0	3	BS	3
II	4.	BE8255	BEEE	3	0	0	3	ES	3
II	5.	GE8251	Environmental Science and Engineering	3	0	0	3	HS	3
II	6.	CS8251	Programming in C	3	0	0	3	PC	3
II	7.	GE8261	Engineering Practices Lab	0	0	4	2	ES	4
II	8.	CS8261	C Programming Laboratory	0	0	4	2	PC	4
TOTAL				20	0	8	24		28

SEMESTER III

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C	Category	Periods
III	1.	MA8351	Discrete Mathematics	4	0	0	4	BS	4
III	2.	CS8351	Digital Principles and System Design	4	0	0	4	ES	4
III	3.	CS8391	Data structures	3	0	0	3	PC	3
III	4.	CS8392	Object Oriented Programming	3	0	0	3	ES	3
III	5.	EC8395	Communication Engineering	0	0	4	2	PC	4
III	6.	CS8381	Data structures Lab	0	0	4	2	PC	4
III	7.	CS8383	Object Oriented Programming Lab	0	0	4	2	ES	4
III	8.	CS8382	Digital Systems Lab	0	0	2	1	EEC	2
III	9.	HS8381	Inter Personal Skills Listening & speaking	0	0	2	1	EEC	2
TOTAL				17	0	14	24		31

SEMESTER IV

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C	Category	Periods
IV	1.	MA8402	Probability and Queueing Theory	4	0	0	4	BS	4
IV	2.	CS8491	Computer Architecture	3	0	0	3	PC	3
IV	3.	CS8492	Database Management system	3	0	0	3	PC	3
IV	4.	CS8451	Design and Analysis of Algorithms	3	0	0	3	PC	3
IV	5.	CS8493	Operating Systems	3	0	0	3	PC	3
IV	6.	CS8494	Software Engineering	0	0	4	2	PC	4
IV	7.	CS8481	Database Management system Lab	0	0	4	2	PC	4
IV	8.	CS8461	Operating Systems Lab	0	0	2	1	EEC	2
IV	9.	HS8461	Advanced reading and writing	0	0	2	1	EEC	2
TOTAL				19	0	10	24		29

SEMESTER V									
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C	Category	Periods
V	1	MA8551	Algebra and Number Theory	4	0	0	4	BS	4
V	2	EC8681	Computer Networks	3	0	0	3	PC	3
V	3	EC8691	Microprocessors and Microcontrollers	3	0	0	3	PC	3
V	4	CS8501	Theory of Computation	3	0	0	3	PC	3
V	5	CS8592	Object Oriented Analyss and Design	3	0	0	3	PC	3
V	6	OME662	Open Elective Geographic Information system	3	0	0	3	OF	3
V	7	CS8582	Microprocessors and Microcontrollers Lab	0	0	4	2	PC	2
V	8	CS8581	Object Oriented Analyss and Design lab	0	0	4	2	PC	2
V	9	CS8581	Computer Networks Lab	0	0	4	2	PC	2
TOTAL				19	0	12	25		25

SEMESTER VI									
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C	Category	Periods
VI	1	CS8651	Internet Programming	3	0	0	3	PC	3
VI	2	CS8691	Artificial Intelligence	3	0	0	3	PC	3
VI	3	CS8601	Mobile Computing	3	0	2	4	PC	5
VI	4	CS8602	Compiler Design	3	0	0	3	PC	3
VI	5	CS8603	Distributed Systems	3	0	0	3	PE	3
VI	6	IT8076	Professional Elective I : Software Testing	PE	0	4	2	PC	4
VI	7	CS8661	Internet Programming Laboratory	0	0	4	2	PC	4
VI	8	CS8662	Mobile Application Development Laboratory	0	0	2	1	EEC	2
VI	9	CS8611	Mini Project	18	0	12	24		30

VII SEMESTER									
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									

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									

TOTAL NO OF CREDITS: 183

V. R. K. R. H.

HOD, CSE

P. N. S.
PRINCIPAL

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