



PRATHYUSHA ENGINEERING COLLEGE
DEPARTMENT OF CIVIL ENGINEERING
LIST OF COURSES-ACADEMIC YEAR 2019-20
SEMESTER I

S.No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	HS8151	Communicative English						
2.	MA8151	Engineering Mathematics - I	HS	4	4	0	0	4
3.	PH8151	Engineering Physics	BS	4	4	0	0	4
4.	CY8151	Engineering Chemistry	BS	3	3	0	0	3
5.	GE8151	Problem Solving and Python Programming	ES	3	3	0	0	3
6.	GE8152	Engineering Graphics						
7.	GE8161	Problem Solving and Python Programming Laboratory	ES	6	2	0	4	4
			ES	4	0	0	4	2
8.	BS8161	Physics and Chemistry Laboratory	BS	4	0	0	4	2
TOTAL								
				31	19	0	12	25
SEMESTER II								
S.No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
1.	HS8251	Technical English	HS	4	4	0	0	4
2.	MA8251	Engineering Mathematics - II	BS	4	4	0	0	4
3.	PH8201	Physics For Civil Engineering	BS	3	3	0	0	3
4.	BE8251	Basic Electrical and Electronics Engineering	ES	3	3	0	0	3
5.	GE8291	Environmental Science and Engineering	HS	3	3	0	0	3
6.	GE8292	Engineering Mechanics	ES	5	3	2	0	4
7.	GE8261	Engineering Practices Laboratory	ES	4	0	0	4	2
8.	CE8211	Computer Aided Building Drawing	PC	4	0	0	4	2
TOTAL								
				30	20	2	8	25
SEMESTER III								
S.No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEOR								
1.	MA8353	Transforms and Partial Differential	BS	4	4	0	0	4
2.	CE8301	Strength of Materials I	PC	3	3	0	0	3
3.	CE8302	Fluid Mechanics	PC	3	3	0	0	3
4.	CE8351	Surveying	PC	3	3	0	0	3
5.	CE8391	Construction Materials	PC	3	3	0	0	3
6.	CE8392	Engineering Geology	ES	3	3	0	0	3
PRACTI								
7.	CE8311	Construction Materials Laboratory	PC	4	0	0	4	2
8.	CE8361	Surveying Laboratory	PC	4	0	0	4	2
9.	HS8381	Interpersonal Skills / Listening and	EEC	2	0	0	2	1
TOTAL								
				29	19	0	10	24
SEMESTER IV								
S.No	COURSE	COURSE TITLE	CATEGORY	CONTACT	L	T	P	C
THEOR								
1.	MA8491	Numerical Methods	BS	4	4	0	0	4
2.	CE8401	Construction Techniques and	PC	3	3	0	0	3
3.	CE8402	Strength of Materials II	PC	3	3	0	0	3
4.	CE8403	Applied Hydraulic Engineering	PC	3	3	0	0	3
5.	CE8404	Concrete Technology	PC	3	3	0	0	3
6.	CE8491	Soil Mechanics	PC	3	3	0	0	3
PRACTI								
7.	CE8481	Strength of Materials Laboratory	PC	4	0	0	4	2
8.	CE8461	Hydraulic Engineering Laboratory	PC	4	0	0	4	2
9.	HS8461	Advanced Reading and Writing	EEC	2	0	0	2	1
TOTAL								
				29	19	0	10	24

SEMESTER	SL. No.	COURSE CODE	SEMESTER V				CATEGORY	CONTACT PERIODS	
			COURSE TITLE	L	T	P			C
V	1.	CE8501	Design of Reinforced Cement Concrete Elements	3	2	0	4	PC	5
V	2.	CE8502	Structural Analysis I						
V	3.	EN8491	Water Supply Engineering	3	0	0	3	PC	3
V	4.	CE8591	Foundation Engineering	3	0	0	3	PC	3
V	5.	GI8014	Professional Elective I* - Geographic Information System	3	0	0	3	PC	3
V	6.	OA1551	Open Elective I* - Environment and Agriculture	3	0	0	3	PE	3
V	7.	CE8511	Soil Mechanics Laboratory				3	GE	3
V	8.	CE8512	Water and Waste Water Analysis Laboratory	0	0	4	2	PC	4
V	9.	CE8513	Survey Camp (2 weeks - During IV Semester)	0	0	0	2	PC	4
		TOTAL		18	2	8	25	EEC	0

* Survey Camp to be conducted for a period of 2 weeks during 4th Semester Summer Vacation

SEMESTER	SL. No.	COURSE CODE	SEMESTER VI				CATEGORY	CONTACT PERIODS	
			COURSE TITLE	L	T	P			C
VI	1.	CE8601	Design of Steel Structural Elements	3	2	0	4	PC	5
VI	2.	CE8602	Structural Analysis II	3	0	0	3	PC	3
VI	3.	CE8603	Irrigation Engineering	3	0	0	3	PC	3
VI	4.	CE8604	Highway Engineering	3	0	0	3	PC	3
VI	5.	EN8592	Wastewater Engineering	3	0	0	3	PC	3
VI	6.	CE8005	Professional Elective II - Air Pollution and Control Engineering	3	0	0	3	PC	3
VI	7.	CE8611	Highway Engineering Laboratory				3	PE	3
VI	8.	CE8612	Irrigation and Environmental Engineering Drawing	0	0	4	2	PC	4
VI	9.	HS8581	Professional Communication	0	0	4	2	PC	4
		TOTAL		18	2	10	24	EEC	2

SEMESTER	SL. No.	COURSE CODE	SEMESTER VII				
			COURSE TITLE	L	T	P	C
VII	1.	CE6701	Structural Dynamics and Earthquake Engineering	3	0	0	3
VII	2.	CE6702	Prestressed Concrete Structures	3	0	0	3
VII	3.	CE6703	Water Resources and Irrigation Engineering	3	0	0	3
VII	4.	CE6704	Estimation and Quantity Surveying	3	0	0	3
VII	5.	EN6501	Elective II- Municipal Solid Waste Management *	3	0	0	3
VII	6.	CE6006	Elective III- Traffic Engineering and Management *	3	0	0	3
VII	8.	CE6711	Computer Aided Design and Drafting Laboratory	0	0	4	2
VII	9.	CE6712	Design Project	0	0	4	2
		TOTAL		18	0	8	22

SEMESTER	SL. No.	COURSE CODE	SEMESTER VIII				
			COURSE TITLE	L	T	P	C
VIII	1.	MG6851	Principles of Management	3	0	0	3
VIII	2.	CE6016	Elective IV- Prefabricated Structures	3	0	0	3
VIII	3.	CE6021	Elective V- Repair & Rehabilitation Of Structures	3	0	0	3
VIII	4.	CE6811	Project Work	0	0	12	6
		TOTAL		9	0	12	15

TOTAL NO OF CREDITS: 184

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PRINCIPAL

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

PRATHYUSHA ENGINEERING COLLEGE