ACHARYA NAGARJUNA UNIVERSITY
NAGARJUNA NAGAR

FOUR SEMESTER M.TECH DEGREE COURSE

IN

COMMUNICATION ENGINEERING & SIGNAL PROCESSING

w.e.f. 2011-2012

I Semester

Sl. No.	COURSE DETAILS		Scheme of Instruction		Scheme of Examination				Credits
	Code No.	Subject Name	Periods per week		Duration of University Exam(hrs)	Maximum Marks		Total Marks	
			Lecture + Tutorial	Practical		Sessional Marks	University Marks		
1	CESP 511	Advanced Digital Communication	4	-	3	30	70	100	4
2	CESP 512	Coding Theory And Techniques	4	-	3	30	70	100	4
3	CESP 513	Speech Signal Processing	4	-	3	30	70	100	4
4	CESP 514	ELECTIVE-I: 1. Image & Video Processing 2. Wavelet Signal Processing 3. Radar Signal Processing	4	-	3	30	70	100	4

5	CESP 515	ELECTIVE-II 1. Spread Spectrum Communication 2. Advanced signal processing 3. Fibre Optic Communication	4	--	3	30	70	100	4
6	CESP 516	ELECTIVE-III: 1. Artificial Neural Networks 2. Adaptive Signal Processing 3. Microwave Measurements	4	-	3	30	70	100	4
7	CESP 551	Communication Lab	-	3	3	30	70	100	2
8	CESP 552	Seminar	-	3	-	100	-	100	2
TOTAL			24	6		310	490	800	28

II Semester

Sl. No	COURSE DETAILS		Scheme of Instruction		Scheme of Examination				Credits
	Code No.	Subject Name	Periods per week		Maximum Marks			Total Marks	
			Lecture+ Tutorial	Practical	Duration of University Exam (hrs)	Sessional Marks	University Marks		
1	CESP 521	Real Time Signal Processing	4	-	3	30	70	100	4
2	CESP 522	Multirate Systems and Filter Banks	4	-	3	30	70	100	4
3	CESP 523	Wireless Communication	4	-	3	30	70	100	4
4	CESP 524	ELECTIVE-I 1. Embedded Systems 2. Pattern Recognition 3. Random processing &Information Theory	4	-	3	30	70	100	4
5	CESP 525	ELECTIVE –II 1. Satellite Communication Systems 2. Global Positioning Systems 3. Telecommunication Switching Systems	4	-	3	30	70	100	4

6	CESP 526	ELECTIVE-III 1. Fuzzy Techniques 2. Optimization Techniques 3. Orthogonal Frequency Division Multiplexing	4	-	3	30	70	100	4
7	CESP 561	Signal Processing Lab	-	3	3	30	70	100	2
8	CESP 562	Seminar	-	3	-	100	-	100	2
TOTAL			24	6	-	310	490	800	28