

Course Title:	Voice & Telephony		
Course Code:	DEC-401		
Program:	Diploma		Semester-IV
Credits:	T-04	P-00	Total-04
Course Outcome			
1	Explain the working principle of Voice Communication		
2	Assess the need for voice digitization		
3	Analyze Public Telephone Network		
4	Explain the working principle of Data Communication		
5	Analyze Error Detection and Correction		

Course Title:	Signals & System		
Course Code:	DEC - 402		
Program:	Diploma		Semester - IV
Credits:	T - 04	P - 00	Total - 04
Course Outcome			
1	Apply the knowledge of Signal Analysis , Analog & Digital Signals		
2	Understand the process of sampling and the effects of under sampling		
3	Analyse the spectral characteristics of continuous-time periodic and a periodic signals using Fourier analysis.		
4	Analyze system properties based on impulse response and Fourier analysis.		
5	Apply the Laplace transform and Z- transform for analyze of continuous-time and discrete-time signals and systems.		

Course Title:	Electronics Devices & Circuit		
Course Code:	DEC-403		
Program:	Diploma		Semester: IV
Credits:	T-4	P-2	Total-6
Course Outcome			
1	Discussion about Feedback Amplifier		
2	Discussion about Oscillator		
3	Discussion about Power Amplifier		
4	Discussion about FET Construction		
5	Introduction of differential amplifier & its application		

Course Title:	Digital Logic Design - II		
Course Code:	DEC-404		
Program:	Diploma		Semester IV
Credits:	T-4	P-2	Total = 06
Course Outcome			
1	Description about Sequential logic circuit and Flipflop.		
2	To understand about Registers and their truth table.		
3	Basic information about memory and disc.		
4	To understand about the PLA,PAL,FPLA,PLD & FPGA.		
5	To understand about Logic families.		

Course Title:	Analog Communication		
Course Code:	DEC-405		
Program:	Diploma	Semester -IV	
Credits:	T-4	P-2	Total-6
Course Outcome			
1	Introduction of Communication System		
2	Various Modulation & Demodulation Techniques		
3	Amplitude Modulation, Modulation Index and transmission efficiency		
4	Various Other Types of Amplitude Modulation		
5	Angle Modulation, Its Types and transmission efficiency		

Course Title:	Software Lab-I		
Course Code:	DEC-406		
Program:	B.Tech	Semester: IV	
Credits:	T-Nil	P-4	Total-4
Course Outcome			
1	Basic Electronic circuits (examples rectifiers, clippers, clampers, diode, transistor characteristics etc).		
2	Transient and steady state analysis of RL/ RC/ RLC circuits, realization of network theorems.		
3	Use of virtual instruments built in the software.		
4	Study of fabrication of PCB layout		
5	Study of designing of PCB layout software		

Course Title:	Professional Skill-I		
Course Code:	DIP-407		
Program:	Diploma	Semester-IV	
Credits:	T-Nil	P-4	Total-4
Course Outcome			
1	Introduction about Efective Presentaion		
2	Various Elements of Efective Presentation		
3	Introduction about Efective Public Speaking		
4	Various Elements of Public Speaking		
5	Uses of Aids-OHP,LCD Projector etc		