



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA – 533 003, Andhra Pradesh, India
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

III Year – I Semester		L	T	P	C
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DIGITAL COMMUNICATIONS LAB					

List of Experiments: Minimum Twelve Experiments to be conducted:

1. Time division multiplexing.
2. Pulse code modulation.
3. Differential pulse code modulation.
4. Delta modulation.
5. Frequency shift keying.
6. Phase shift keying.
7. Differential phase shift keying.
8. Companding
9. Source Encoder and Decoder
10. Linear Block Code-Encoder and Decoder
11. Binary Cyclic Code-Encoder and Decoder
12. Convolution Code –Encoder and Decoder
13. BCH Codes

Equipment required for Laboratories:

1. RPS-0–30V
2. CRO-0 –20 MHz.
3. FunctionGenerators-0–1MHz
4. RFGenerators-0–1000M Hz./0–100MHz.
5. Rated Voltmeters and Ammeters
6. Lab Experimental kits for Digital Communication
7. Components
8. Bread boards and Multi-meters
9. Spectrum Analyzer