

## LAB Name: Communication Systems Lab

### System Details

S.No	Equipment	Configuration/ Specification	Quantity
1.	Cathode Ray Oscilloscope	20MHz,30 MHz	11
2.	Dual Power Supply	0-30V	5
3.	Digital Data Conditioner & Carrier Mod Transmitter Kit	Shift keying techniques	1
4.	Digital Data Conditioner & Carrier DeMod Receiver Kit(DCL-04)	Shift keying techniques	1
5.	Data Conditioner & Carrier Mod Transmitter Kit (DCL-05)	Line coding + Shift keying techniques	1
6.	Data Conditioner & Carrier DeMod Receiver Kit (DCL-06)	Line coding + Shift keying techniques	1
7.	Delta/Sigma/ ADMod & Demod Kit (DCL-07)	Delta & ADM	2
8.	Function Generator (3MHZ)	0-3MHz, 1MHz	25
9.	Delta/Sigma/ ADMod & Demod Kit (DCL-07)	$\pm 15V/2A$	18
10.	Function Generator (3MHZ)	Fiber optic set up	1
11.	FSK & PSK Trainer Kit	Frequency and phase shift keying	4
12.	Triple Power Supply	30V,5V,0.5A	12
13.	Multimeter	Digital	9
14.	Regulated DC Power Supply	0-30V	8
15.	PCM Transmitter Kit (DCL-03)	Error control coding 2	2

<b>16.</b>	PCM Receiver Kit (DCL-04)	Error control coding 2	2
<b>17.</b>	Study of Framing & Marker with Voice Coding Kit	Voice coding	1
<b>18.</b>	Digital Trainer Kit	for performing digital lab experiments	15
<b>19.</b>	TDM PAM MOD/DEMODO Kit	Time division multiplexing and demultiplexing along with phase locked loop support	2
<b>20.</b>	Voice Tx/Rx using Fiber Optic cable	Voice coding and decoding	1