

Faculty of Information and Communication Engineering

M.E. Medical Electronics

(R 2017) Semester – I

MX5111 MEDICAL INSTRUMENTATION LABORATORY

(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	ECG system with 12 leads	1		
2.	EMG system with nerve conduction velocity measurement	1		
3.	EEG system	1		
4.	PCG system	1		
5.	Audiometer	1		
6.	Ultrasound blood flow meter	1		
7.	Muscle stimulator	1		
8.	Spirometer	1		
9.	Galvanic Skin Resistance measurement system	1		
10.	Electro surgical diathermy unit	1		
11.	Electro surgical diathermy unit analyzer	1		
12.	BP measurement system	1		
13.	Glucometer	1		
14.	ECG suction cup electrode and ECG limb electrode	6		

15.	Disposable electrodes(100 nos)	4		
16.	EMG Electrode / Disposable electrodes(100 nos)	1		
17.	EEG Electrodes	1		
18.	ECG gel	1		
19.	Ultrasound gel	1		
20.	Headphone for audiometer	1		
21.	Stethoscope	1		
22.	Sphygmomanometer	1		
23.	Mouth piece for spirometer (disposable)	50		
24.	IC741	10		
25.	AD620	5		

Faculty of Information and Communication Engineering

M.E. Medical Electronics

(R 2017) Semester – II

MX5211 DATA ACQUISITION AND PROCESSING LABORATORY

(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Electrical Safety Analyzer	1		
2.	Personal Computer	10		
3.	IDL software	1		
4.	MATLAB	10		