

Faculty of Technology

M.Tech. Environmental Science and Technology

(R 2017) Semester – I

ES5111 Environmental Engineering Laboratory

(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Laminar Air Flow Chamber	1		
2.	LPG Gas Cylinder	1		
3.	Autoclave	1		
4.	Deep Freezer	1		
5.	Centrifuge	1		
6.	Refrigerator	1		
7.	Hot Air Oven	1		
8.	Microscope	1		
9.	Magnetic Stirrer	1		
10.	Electronic Balance	1		
11.	Conductivity Meter	1		
12.	Heating Mantle	2		
13.	Shaker Incubator	2		
14.	SPM Filter	1		

15.	Microfiber Filter	1		
16.	Infra Red Gas Analyzer	1		
17.	Furnace	2		
18.	COD Reflux	3		
19.	COD Digester	1		
20.	BOD Incubator	1		
21.	Clarifier	2		
22.	Jar Test Apparatus	1		
23.	Turbidity Meter	1		
24.	pH Meter	1		
25.	Thermometer	2		
26.	Bioreactor	1		
27.	Electrochemical Reactor	1		
28.	Photo Reactor	1		
29.	UV Chamber /Reactor	1		
30.	Photo Catalytic Reactor	1		
31.	Sonochemical Reactor	1		
32.	High Performance Liquid Chromatography	1		

33.	UV-Vis Spectrophotometer	1		
34.	Atomic Absorption Spectroscopy	1		
35.	Fourier transform infrared spectroscopy	1		