



Department of Chemical Engineering	LP: CH22311 Rev. No: 00
B.E/B.Tech/M.E/M.Tech : B. Tech Regulation: R2022	Date: 01/08/2023
PG Specialisation :	
Sub. Code / Sub. Name : CH22311 ENVIRONMENTAL ENGINEERING LABORATORY	

Session No*	List of Experiments
CYCLE-I	
1	Estimation of the Total Solids for a given sample of water.
2	Permeability determination of solid sample.
3	Direct shear test in cohesionless soil.
4	Determination of chromium traces in tannery effluents.
5	Determination of the metal concentration in solid samples.
6	Determination of viscosity of oil samples using Brookfield Viscometer.
CYCLE-II	
7	Determination of pH range of indicator solutions.
8	Determination of the COD of the given liquid sample.
9	Determination of the BOD of the given liquid sample.
10	Determination of total coliforms in water.
11	Determination of corrosion rate of the given sample.
12	Determination of air quality for indoor and outdoor environments.
Content beyond syllabus (if any):	

* Session Duration: 150 minutes



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	Prepared by		Approved by
Signature			
Name	Dr. Philip Bernstein Saynik	Dr. R. Palani	Dr. N. Meyyappan
Designation	Assistant Professor	Associate Professor	Professor & HOD
Date	1 st August 2023	1 st August 2023	1 st August 2023
Remarks*	The same lab plan will be followed for this AY 2024-25 [Dr. Philip, AP/CHE]		
Remarks*	 Dr. G. Manikandan AP/CHE		

* If the same lab plan is followed in the subsequent semester/year it should be mentioned and signed by the Faculty and the HOD

	Prepared by		Approved by
Signature	 8/7/24	 8/7/24	 8/7/24
Name	Dr. Philip Bernstein Saynik	Dr. G. Manikandan	Dr. N. Meyyappan
Designation	AP/CHE	AP/CHE	Prof & HOD /CHE
Date	8 th July 2024	8 th July 2024	8 th July 2024