Module Name (Chemical Engineering)	Total Hours	
Effluent treatment plant operation & maintenance	40	

Topic	Sub Topic		Hours	
			Theory	Practical
1. Introduction to	1.1	Introduction to Wastewater Treatment	01	
Wastewater Treatment	1.2	Wastewater Norms & Disposal	01	
	1.3	Wastewater Treatment Processes	04	01
2. Wastewater Sampling	2.1	Sample Collection & Preservation	01	01
& Analysis	2.2	Physio-Chemical & Biological Analysis of	01	03
		Wastewater		
3. Advance Treatment	3.1	Advance Treatment Methodologies	01	02
Methodologies				
4. Effluent Treatment	4.1	ETP basics & Operation	01	
Plant Operation &	4.2	Parts of ETP, its Operation & Safety	02	
Maintenance		Precaution		
	4.3	ETP Staff Competency & Maintenance	01	
	4.4	Data Interpretation & Record Keeping	02	03
5. Common Effluent	5.1	CETP Opportunities	01	
Treatment Plant	5.2	Challenges to CETP	02	
	5.3	Wastewater Recycling	01	
	5.4	Industrial Visit to ETP		05
6. Solid & Hazardous	6.1	SHW Generation, Types & Its	04	02
Waste		Management		
		Total	23	17