

MINOR SPECIALIZATIONS OFFERED BY CHE (20 credits each)

MINOR SPECIALIZATION-I (CEMENT TECHNOLOGY)

FOURTH SEMESTER

Sr. No.	Course Code	Course Title	Contact Hours				Credits
			L	T	P	Total	
1.	CL317	Introduction to Cement	3	0	0	3	3

FIFTH SEMESTER

Sr. No.	Course Code	Course Title	Contact Hours				Credits
			L	T	P	Total	
1.	CL318	Mining, Raw Materials and Raw Mix Design	3	0	0	3	3

SIXTH SEMESTER

Sr. No.	Course Code	Course Title	Contact Hours				Credits
			L	T	P	Total	
1.	CL319	Size Reduction and Material Handling in Cement Industries	3	0	0	3	3
2.	CL401	Fuel Testing Lab	0	0	2	2	1

SEVENTH SEMESTER

Sr. No.	Course Code	Course Title	Contact Hours				Credits
			L	T	P	Total	
1.	CL320	Pyro-processing and Clinker Formation	3	1	0	4	4
2.	CL402	Chemical Testing of Cement Lab	0	0	2	2	1

EIGHTH SEMESTER

Sr. No.	Course Code	Course Title	Contact Hours				Credits
			L	T	P	Total	
1.	CL321	Quality Control in Cement	3	1	0	4	4
2.	CL403	Physical Testing of Cement Lab	0	0	2	2	1

MINOR SPECIALIZATION-II (INDUSTRIAL POLLUTION ABATEMENT)

FOURTH SEMESTER

Sr. No.	Course Code	Course Title	Contact Hours				Credits
			L	T	P	Total	
1.	CL322	Environmental Chemistry	3	1	0	4	4

FIFTH SEMESTER

Sr. No.	Course Code	Course Title	Contact Hours				Credits
			L	T	P	Total	
1.	CL323	Air Pollution Control & Monitoring	3	1	-	4	4
2.	CL404	Air Pollution Control & Monitoring Lab	-	-	2	2	1

SIXTH SEMESTER

Sr. No.	Course Code	Course Title	Contact Hours				Credits
			L	T	P	Total	
1.	CL324	Waste Water Treatment Processes	3	1	-	4	4
2.	CL405	Waste Water Treatment Processes Lab	-	-	2	2	1

SEVENTH SEMESTER

Sr. No.	Course Code	Course Title	Contact Hours				Credits
			L	T	P	Total	
1.	CL325	Treatment and Management of Hazardous Waste	3	-	-	3	3

EIGHTH SEMESTER

Sr. No.	Course Code	Course Title	Contact Hours				Credits
			L	T	P	Total	
1.	CL326	Environmental Impact Assessment	3	-	-	3	3

Department of Chemical Engineering

Micro-Specializations

S. No.	Name of Micro Specialization	Head Course (s)			Elective Courses		
		Course Name	Semester	Credit	Course Name	Semester	Credits
1	Process Engineering	Heat Transfer Operations	IV	4	Process Modelling and Simulation	V	3
					Transport Phenomena	VI	3
					Project Engineering	VII	3
					Advanced Process Control	VIII	3