GURU GHASIDAS VISHWAVIDYALAYA BILASPUR (C.G.)

(A Central University) Koni, Bilaspur-495009, C.G (India)



OUTCOME BASED EDUCATION WITH CHOICE BASED CREDIT SYSTEM (CBCS)

MASTER OF TECHNOLOGY IN CHEMICAL ENGINEERING

COURSE STRUCTURE AND SYLLABI

M.Tech Regular Two Year Degree Program (Effective from the academic year 2021-22)

DEPARTMENT OF CHEMICAL ENGINEERING SCHOOL OF STUDIES OF ENGINEERING & TECHNOLOGY, GGV, BILASPUR, C.G. (INDIA)

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DEPARTMENT OF CHEMICAL ENGINEERING SCHOOL OF STUDIES OF ENGINEERING & TECHNOLOGY, GGV, BILASPUR, C.G. (INDIA)

SCHEME OF EXAMINATION

M.TECH. CHEMICAL ENGINEERING

M.Tech. I-Semester

SI.	Course Type/	Subjects		Periods/Week			valua	Credits	
	Code		L	T	P	IA	ESE	Total	
1.	CHPATT1	Advanced Heat Transfer	3	0	0	40	60	100	3
2.	CHPATT2	Advanced Separation Processes	3	0	0	40	60	100	3
3.	СНРАТТ3	Advanced Fluidization Engineering	3	0	0	40	60	100	3
4.0	СНРАТР1	Elective – I Advanced Reaction Engineering	3	0	0	40	60	100	3
	CHPATP2	Advanced Wastewater Treatment Technology		Annia de la companya					
	СНРАТР3	Advanced Chemical Process Modeling							
				BLANCE STREET, THE STREET,					
5.		Elective – II	3	0	0	40	60	100	3
	CHPATP4	Advanced Process Control						5444790v-100000voc.1v.a	
	СНРАТР5	Process Intensification	×					ad States, descript des Philipses, descriptions des essenti	MACC. 15 TOWNS ADDRESSED TO THE STATE OF THE
	СНРАТР6	Bioprocess Engineering						Victoria Material Proposition	000000000000000000000000000000000000000
-								000000000000000000000000000000000000000	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$
6.	CHPALTI	Chemical Engineering Computational Lab	0	0	4	30	20	50	2
7.	CHPATCI	Research Methodology and IPR	2	0	0	-'	50	50	2
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M.Tech. II-Semester

SI.	Course Type/	Subjects	Periods/Week			Evaluation			Credits
	Code .		L	Т	P	IA	ESE	Total	
1.	CHPBTT1	Advanced Transport Phenomena	3	0	0	40	60	100	3
2.	CHPBTT2	Chemical Reactor Design	3	0	0	40	60	100	3
3.	CHPBTP1 CHPBTP2 CHPBTP3	Elective – III Computational Fluid Dynamics Fuel Cell Technology Process Plant Design & Flow Sheeting	3	0	0	40	60	100	3
	CHPBTP4 CHPBTP5 CHPBTP6	Elective – IV Design & Development of Catalyst Industrial Pollution Control Safety Hazards & Risk Analysis	3		0	40	60	100	3
5	MSPBTO1 IPPBTO2 IPPBTO3 CEPBTO4 MEPBTO5 CHPBTO6 ECPBTO7	Open Elective 1. Business Analytics 2. Industrial Safety 3. Operations Research 4. Cost Management of Engineering Projects 5. Composite Materials 6. Waste to Energy 7. Internet of Things 8. MOOCs	3	0	0	40	60	100	3
6.	CHPBLT1	Advanced Chemical Engineering Lab	0	0	4	30	20	50	2
7.	СНРВРТ1	Mini Project	0	0	4	30	20	50	2
8.	Vision construction and Phalameter and control of a contr	Audit Course/Value Added Course	2	0	0	40	60	100	2
	ELPBTX1	English for Research Paper Writing		Resemble Sections of Sections					Commence of the commence of th
	PEPBTX2	Stress Management by Yoga	And the second s	RECOGNITION OF THE PERSON OF T		,			
	CEPBTX3 LAPBTX4	Disaster Management Constitution of India	This shall sweetly constructed and an article of the constructed and the constructed a	ORDONOMICO CONTRACTOR DE PRINCES					an dampinony Production were asset and
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Note: Under MOOCs the students have to opt any subject other than Chemical Engineering from NPTEL/UGC SWAYAM

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M.Tech. III-Semester

SI.	Course Type/ Code	Subjects	Periods/Week			Evaluation			Credits
			L	T	P	IA	ESE	Total	
1.	CHPCPT1	Dissertation Stage-I	0	0	28	100	100	200	14
		Total					Market 1900po Carpadash Jacob	200	14

M.Tech. IV-Semester

SI.	Course Type/	Subjects	Periods/Week			Evaluation			Credits
	Code		L	T	P	IA	ESE	Total	
1.	CHPDPT1	Dissertation Stage-II	0	0	32	100	200	300	16
		Total			The same and the s			300	16

Total Credits for the Program = 19 + 21 + 14 + 16 = 70

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