



List of Programme (s)

Department : Chemical Engineering

Programme Name : B.Tech.

Academic Year : 2022-23

List of Programmes having Components of Field Project/Projects/Internships

Sr. No.	Course Code	Course Name	Academic Year
01.	CH07PPC11	Minor Project	2022-23
02.	CH07PPC12	Seminar	2022-23
03.	CH08PPC13	Project	2022-23
04.	CHPBPT1	Mini Project	2022-23
05.	CHPCPT1	Dissertation Stage-I	2022-23
06.	CHPDPT1	Dissertation Stage-II	2022-23



Scheme highlighting the Components of Projects/Internships

SCHOOL OF STUDIES OF ENGINEERING & TECHNOLOGY
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR (C.G.)
(A Central University Established by the Central University Ordinance 2009, No. 3 of 2009)
SCHEME FOR EXAMINATION (Effective from Session 2021-22)
B.TECH.-(FOUR YEAR) DEGREE COURSE, CHEMICAL ENGINEERING
FINAL YEAR, SEVENTH SEMESTER (AICTE)

S. No.	Subject Code	Subject Name	Periods			Evaluation Scheme			Credits
			L	T	P	IA	ESE	TOTAL	
01.	CH07TPC14	Process Equipment Design - II	3	1	0	30	70	100	4
02.	CH07TPC15	Chemical Reaction Engineering - II	3	1	0	30	70	100	4
03.	CH07TPC16	Transport Phenomena	3	1	0	30	70	100	4
04.	CH07TPE4X		3	0	0	30	70	100	3
05.	CH07TOE3X		3	0	0	30	70	100	3
PRACTICAL									
01.	CH07PPC11	Minor Project	0	0	3	30	20	50	1.5
02.	CH07PPC12	Seminar	0	0	3	30	20	50	1.5
Total			15	3	6			600	21

IA - Internal Assessment
Total Marks - 600

ESE - End Semester Examination
Total Periods / week - 24

Total Credits : 21

B. Tech. Chemical Engineering Final Year

w.e.f : Session 2021-22

BoS held on 23.07.2021



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SCHEME FOR EXAMINATION (Effective from Session 2021-22)
B.TECH. (FOUR YEAR) DEGREE COURSE, CHEMICAL ENGINEERING
FINAL YEAR, EIGHTH SEMESTER (AICTE)

S. No.	Subject Code	Subject Name	Periods			Evaluation Scheme			Credits
	THEORY		L	T	P	IA	ESE	TOTAL	
01.	CH08TPC17	Process Equipment Design - III	3	1	0	30	70	100	4
02.	CH08TPE5X		3	0	0	30	70	100	3
03.	CH08TOE4X		3	0	0	30	70	100	3
PRACTICAL									
01.	CH08PPC13	Project	0	0	8	70	30	100	4
Total			9	1	8			400	14

IA - Internal Assessment

Total Marks - 400

ESE - End Semester Examination

Total Periods / week - 18

Total Credits : 14

B. Tech. Chemical Engineering Final Year

w.e.f: Session 2021-22

BoS held on 23.07.2021



M.Tech. II-Semester

Sl.	Course Type/ Code	Subjects	Periods/Week			Evaluation			Credits
			L	T	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 Sheetting	3	0	0	40	60	100	3
4.	CHPBTP4 CHPBTP5 CHPBTP6	Elective – IV Design & Development of Catalyst Industrial Pollution Control Safety Hazards & Risk Analysis	3	0	0	40	60	100	3
5.	MSPBT01 IPPBT02 IPPBT03 CEPBT04 MEPBT05 CHPBTO6 ECPBT07 MCPBT08	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.	CHPBPT1	Mini Project	0	0	4	30	20	50	2
8.	ELPBTX1 PEPBTX2 CEPBTX3 LAPBTX4	Audit Course/Value Added Course English for Research Paper Writing Stress Management by Yoga Disaster Management Constitution of India	2	0	0	0	0	0	0
Total								600	19

Note: Under MOOCs the students have to opt any subject other than Chemical Engineering from NPTEL/JGC SWAYAM



M.Tech. III-Semester

Sl.	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									200 14

M.Tech. IV-Semester

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

Total Credits for the Program = 19 + 19 + 14 + 16 = 68

Note: Highlight the Courses having field projects / research projects / internships.