

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute affiliated to RGPV, Bhopal)

B.Tech. (Chemical Engineering) I Semester

2020-21

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hours per week			Total Credits	Mode of Teaching (Offline/Online)	Mode of Exam.
				Theory Slot				Practical Slot				L	T	P			
				End Sem.		Mid Sem. Exam.	Quiz/Assignment	End Sem	Lab Work & Sessional	Skill Based Mini Project							
				End Term Evaluation	Proficiency in subject/course												
1.	100012	BSC	Engineering Chemistry	50	10	20	20	60	20	20	200	2	1	2	4	Blended (2/1)	MCQ
2.	100020	ESC	Basic Civil Engineering & Mechanics	50	10	20	20	-	-	-	100	2	1	-	3	Blended (2/1)	PP
3.	100021	ESC	Basic Mechanical Engineering	50	10	20	20	-	-	-	100	2	1	-	3	Blended (2/1)	MCQ
4.	100022	ESC	Basic Electrical & Electronics Engineering	50	10	20	20	60	20	20	200	2	1	2	4	Blended (2/1)	MCQ
5.	100023	ESC	Basic Computer Engineering	50	10	20	20	60	40	-	200	2	1	2	4	Blended (2/1)	A+O
6.	100024	ESC	Manufacturing Practices	-	-	-	-	60	20	20	100	-	-	2	1	Offline (2/0)	SO
Total				250	50	100	100	240	100	60	900	10	5	8	19		
<p style="text-align: center;">Induction programme of three weeks (MC): Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations.</p>																	

Subchan

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Anish

Anish

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B.Tech. (Chemical Engineering) II Semester

2020-21

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hours per week			Total Credits	Mode of Teaching (Offline/ Online)	Mode of Exam.
				Theory Slot				Practical Slot				L	T	P			
				End Sem.		Mid Sem. Exam.	Quiz/ Assignment	End Sem	Lab Work & Sessional	Skill Based Mini Project							
				End Term Evaluation	Proficiency in subject /course												
1.	100011	BSC	Engineering Mathematics -I	50	10	20	20	-	-	-	100	3	1	-	4	Offline (0/4)	PP
2.	170211	DC	Chemical Process Calculations	50	10	20	20	60	20	20	200	2	1	2	4	Blended (2/1)	PP
3.	100014	ESC	Engineering Graphics	50	10	20	20	-	-	-	100	3	-	-	3	Blended (2/1)	A+O
4.	100015	HSMC	Energy, Environment, Ecology & Society	50	10	20	20	-	-	-	100	3	-	-	3	Blended (2/1)	MCQ
5.	100016	HS MC	Technical Language	50	10	20	20	-	-	-	100	3	-	-	3	Blended (2/1)	PP
6.	100017	HS MC	Language Lab	-	-	-	-	60	20	20	100	-	-	2	1	Offline- (2/0)	SO
7.	100018	ESC	Eg. Graphics Lab	-	-	-	-	60	20	20	100	-	-	2	1	Offline (2/0)	SO
Total				250	50	100	100	180	60	60	800	14	2	6	19		

Summer Internship Project – I (Institute Level) (Qualifier): Minimum two-week duration: Evaluation in III Semester.

Subhan

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B.Tech. III Semester (Chemical Engineering) *Effective for academic session 2021-22 & 2022-23*

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hours per week			Total Credits	Mode of Teaching (Offline/Online)	Mode of Exam
				Theory Slot				Practical Slot				L	T	P			
				End Sem.		Mid Sem. Exam.	Quiz/Assignment	End Sem	Lab Work & Sessional	Skill Based Mini Project							
				End Term Evaluation	Proficiency in subject/course												
1.	100025	BSC	Engineering Mathematics-II	50	10	20	20	-	-	-	100	3	1	-	4	Offline (3/0)	PP
2.	170311	DC	Fluid Mechanics	50	10	20	20	60	20	20	200	2	1	2	4	Blended (2/1)	PP
3.	170312	DC	Organic Process Technology	50	10	20	20	-	-	-	100	3	-	-	3	Blended (2/1)	MCQ
4.	170313	DC	Chemical Engineering Thermodynamics	50	10	20	20	-	-	-	100	3	-	-	3	Blended ((2/1)	PP
5.	170314	DC	Fluid Particle Mechanics	50	10	20	20	60	20	20	200	3	-	2	4	Blended (2/1)	PP
6.	170315	DLC	Chemical Synthesis Lab	-	-	-	-	60	20	20	100	-	-	2	1	Offline (1/0)	SO
7.	170316	DLC	Self-learning/Presentation (SWAYAM/NPTEL/MOOC)	-	-	-	-	-	40	-	40	-	-	2	1	Online + Mentoring	SO
8.	200XXX	CLC	Novel Engaging Course (Informal Learning)	-	-	-	-	50	-	-	50	-	-	2	1	Interactive	SO
9.	170317	DLC	Summer Internship Project-I (Institute Level) (Evaluation)	-	-	-	-	60	-	-	60	-	-	4	2	Offline	SO
Total				250	50	100	100	290	100	60	950	14	2	14	23	-	-
10.	1000005 ⁵	MAC	Project Management & Financing	50	10	20	10	-	-	-	100	2	-	-	GRADE	Online	MCQ

⁵ proficiency in course/subject includes the weightage towards ability/skill/competence/knowledge level/ expertise attained etc. in that particular course/subject.
^{SS}MCQ: Multiple Choice Question ^{SS}AO: Assignment + Oral ^{SS}PP: Pen Paper ^{SS}SO: Submission + Oral

Mode of Teaching				Mode of Examination							Total Credits
Theory		Lab	NEC	Theory			Lab	SIP/SLP/NEC	SO		
Offline	Online			PP	A+O	MCQ					
Blended		Interactive	SO								
Offline	Online			Offline	Interactive	PP	A+O	MCQ	SO	SO	
4	1	8	4	5	1	4	0	1	4	2	23
17.39	4.34	34.78	17.39	21.73	4.34	36.36	0	9.09	36.36	18.18	Credits %

MAD
4/1/22
DEAN (ACADEMICS)
M.I.T.S
GWALIOR

Tabesh *Engl* *Shrikant* *Anjay*