

 MIT Academy of Engineering (An Autonomous Institute Affiliated to SPPU)		COURSE STRUCTURE (2016 - 2020)				
SCHOOL OF CHEMICAL ENGINEERING		W.E.F	:	2016-17		
FIRST YEAR BACHELOR OF TECHNOLOGY		RELEASE DATE	:	1/06/2016		
		REVISION NO.	:	0.0		
SEMESTER: I						
SL. No.	COURSE TYPE	COURSE CODE	COURSE	TEACHING SCHEME		
				L	P	CREDIT
1.	NSC1	AS101	Mathematics – 1	4	1	5
2.	NSC2	AS102 / AS103	Physics / Chemistry	3	2	4
3.	ESC1	EX101 / CV101	Electrical & Electronics Engg. / Applied Mechanics	3	2	4
4.	ESC2	ME101 / IT101	Engineering Graphics / Computer Programming	2	4	4
5.	HSS1	HP101	Language & Communication – 1	1	2	2
6.	SDP1	ME102 / ME103	Experimental Tools & Techniques / Design Thinking	---	4	2
TOTAL				13	15	21
SEMESTER: II						
SL. No.	COURSE TYPE	COURSE CODE	COURSE	TEACHING SCHEME		
				L	P	CREDIT
1.	NSC3	AS104	Mathematics – 2	4	1	5
2.	NSC4	AS103 / AS102	Chemistry / Physics	3	2	4
3.	ESC3	CV101 / EX101	Applied Mechanics / Electrical & Electronics Engg.	3	2	4
4.	ESC4	IT101 / ME101 /	Computer Programming / Engineering Graphics	2	4	4
5.	HSS2	HP102	Language & Communication – 2	1	2	2
6.	SDP2	ME103 / ME102	Design Thinking / Experimental Tools & Techniques	---	4	2
TOTAL				13	15	21


L: Lecture, P: Practical, T: Tutorial; *Applicable for FY BTech

 MIT Academy of Engineering (An Autonomous Institute Affiliated to SPPU)		COURSE STRUCTURE (2016 - 2020)				
SCHOOL OF CHEMICAL ENGINEERING		W.E.F	:	2017-18		
SECOND YEAR BACHELOR OF TECHNOLOGY CHEMICAL ENGINEERING		RELEASE DATE	:	1/08/2017		
		REVISION NO.	:	0.0		
SEMESTER: III						
SL. No.	COURSE TYPE	COURSE CODE	COURSE	TEACHING SCHEME		
				L	P	CREDIT
1.	PC1	CH201	Environmental Science	2	2	3
2.	PC2	AS201	Applied Mathematics	3	2	4
3.	PC3	ET201	System Engineering	3	2	4
4.	DC1	CH202	Material and Energy Balance	3	2	4
5.	DC2	CH203	Chemical Engineering Operations	3	2	4
6.	SDP3	ET206	Prototyping	---	4	2
TOTAL				14	14	21
SEMESTER: IV						
SL. No.	COURSE TYPE	COURSE CODE	COURSE	TEACHING SCHEME		
				L	P	CREDIT
1.	HSS3	HP201	Psychology	3	---	3
2.	PC4	IT201	Engineering Informatics	3	2	4
3.	PC5	ME201	Material Engineering	3	2	4
4.	DC3	CH211	Momentum Transfer	3	2	4
5.	DC4	CH212	Advanced Chemistry	3	2	4
6.	SDP4	CH213	Minor Project	---	4	2
TOTAL				15	12	21

L: Lecture, P: Practical

 MIT Academy of Engineering (An Autonomous Institute Affiliated to SPPU)		CURRICULUM STRUCTURE (2016 - 2020)				
SCHOOL OF CHEMICAL ENGINEERING		W.E.F	:	2018-19		
THIRD YEAR BACHELOR OF TECHNOLOGY CHEMICAL ENGINEERING		RELEASE DATE	:	1/12/2017		
		REVISION NO.	:	0.0		
SEMESTER: V						
SL. No.	COURSE TYPE	COURSE CODE	COURSE	TEACHING SCHEME		
				L	P	CREDIT
1.	DC5	CH301	Chemical Engineering Thermodynamics	3	2	4
2.	DC6	CH302	Heat Transfer	3	2	4
3.	DC7	CH303	Mass Transfer	3	2	4
4.	OE1	CH31#	Open Elective - Refer Annexure.	3	2	4
5.	HSS4	HP302	Professional Skills	0	4	2
6.	SDP5	CH304	Skill Development Lab	---	4	2
TOTAL				12	16	20
SEMESTER:VI						
SL. No.	COURSE TYPE	COURSE CODE	COURSE	TEACHING SCHEME		
				L	P	CREDIT
1.	DC8	CH 321	Separation Process	3	2	4
2.	DC9	CH 322	Chemical Reaction Engineering	3	2	4
3.	DC10	CH 323	Chemical Equipment Design	2	4	4
4.	OE2	CH 33#	Open Elective - Refer Annexure.	3	2	4
5.	HSS5	HP301	Project Management	1	2	2
6.	HSS6	HP303	Basics of Entrepreneurship	---	2	1
7.	SDP6	CH324	Mini Project	---	4	2
TOTAL				12	18	21

L: Lecture, P: Practical

 MIT Academy of Engineering (An Autonomous Institute Affiliated to SPPU)		CURRICULUM STRUCTURE (2016 - 2020)				
SCHOOL OF CHEMICAL ENGINEERING		W.E.F	:	2019-20 (PART A)		
FINAL YEAR BACHELOR OF TECHNOLOGY CHEMICAL ENGINEERING		RELEASE DATE	:	1/12/2019		
		REVISION NO.	:	0.0		
SEMESTER: VII						
SL. No.	COURSE TYPE	COURSE CODE	COURSE	TEACHING SCHEME		
				L	P	CREDIT
1.	DC11	CH401	Process Dynamics, Control & Instrumentation	3	2	4
2.	DE1	CH41#	Dept. Elective - Refer Annexure.	3	0	3
3.	OE3	CH42#	Open Elective - Refer Annexure.	3	2	4
4.	HSS7	HP402	Sociology	2	---	2
5.	HSS8/ SDP7	HP403/ CH402	Business Strategies / Skill Development Lab 2	---	2	1
6.	SDP8	CH403	Project - I	---	8	4
7.	SDP9	CH404	Summer Internship	---	---	4
TOTAL				11	14	22
SEMESTER: VIII						
SL. No.	COURSE TYPE	COURSE CODE	COURSE	TEACHING SCHEME		
				L	P	CREDIT
1.	DC12	CH431	Chemical Process Technology	3	2	4
2.	DE2	CH44#	Dept. Elective - Refer Annexure.	3	0	3
3.	OE4	CH45#	Open Elective - Refer Annexure.	3	2	4
4.	HSS9	HP401	Engineering Economics	2	---	2
5.	SDP10	CH432	Project - II	---	8	4
TOTAL				11	12	17

L: Lecture, P: Practical