Intake:	2020 onwards	Specia	lization:	Chemical and Process Engineering							
	Details of the Curriculum		Stream:								
	Details of the curriculant	7	Time all	ocation							
Module		, <u>4</u>	[Hours,		Credits offered		Norm		Evaluation %		
Code	Module Name	Category C/E/O	Lecture	Lab / Tute	GPA	NGPA	GPA	NGPA	CA	WE	
	Semester 1		Specializ	ation req	uiremen	t	19	5.0			
CE1023	Fluid Mechanics	С	2	2/4	2.0				20	80	
CS1033	Programming Fundamentals	С	2	2	3.0				20	80	
EE1040	Electrical Fundamentals	C	2	2/4	2.0		15.0	<u> </u>	20	80	
MA1014 ME1033	Mathematics Mechanics	C	5/2	2/4	3.0 2.0		15.0	<u> </u>	20	80	
MT1023	Properties of Materials	C	2	2/4	2.0				20	80	
EL1030	Language Skills Enhancement [S1 & S2]	c	0	2	1.0				100	0	
			Total		15.0	0.0	15.0	0.0			
CTTIOSI	Semester 2		Specializ		uirement 3.0	t	20	0.0	40		
CH1051 CH1044	Engineering Thermodynamics Fluid Dynamics	C	3	2	4.0				40	60	
CH1044 CH1071	Chemistry and Green Chemistry for Process Engineers	C	2	2	3.0				40	60	
CH1061	Chemical and Bioprocess Engineering Principles	C	3	2	4.0		18.0		40	60	
MA1024	Methods of Mathematics	С	5/2	1	3.0				30	70	
EL1030	Language Skills Enhancement [S1 & S2]	С	0	2	1.0				100	0	
HM-1	Humanities I	E	2	0	2.0		2.0		100	0	
			Total		20.0	0.0	20.0	0.0			
	Semester 3		Specializ	ation rec	uiremen	t	20	0.0			
CH2631	Chemical Thermodynamics	С	2	2	3.0				40	60	
CH2015	Heat and Mass Transfer	С	3	2	4.0				40	60	
CH2160	Bioprocess Engineering and Practices	С	2	2	3.0				40	60	
CH2170	Laboratory Practices I	С	0	6	3.0		20.0	<u> </u>	100	0	
MA2014	Differential Equations	С	2	0	2.0				30	70 70	
MA2034 EN1803	Linear Algebra Basic Electronics for Engineering Applications	C	2	2	2.0 3.0				30	70	
LIVIOUS	Dasic Licetonics for Engineering Applications	Ť	Total		20.0	0.0	20.0	0.0	-50	/0	
	Semester 4		Specializ			t	22	2.0			
CH2151	Particulate Systems	С	3	2	4.0				40	60	
CH2180 CH4501	Separation Processes	C	3	4	5.0 4.0				40	60	
CH4501 CH2210	Chemical Kinetics and Reactor Design Materials for Engineering Applications	c	2	2	3.0		20.0	<u> </u>	40 30	60 70	
CH2270	Laboratory Practices II	C	0	4	2.0				100	0	
MA3024	Numerical Methods	c	2	0	2.0					70	
HM-2	Humanities II					_		1	30		
		E	2	0	2.0		2.0		30 100	0	
		E	2 Total			0.0	2.0 22.0	0.0		0	
		E	Total	0	2.0 22.0		22.0			0	
CH4045	Semester 5		Total Specializ	0 ation req	2.0 22.0 uiremen		22.0	0.0	100		
CH4045 CH3045	Process Dynamics and Control	C	Total Specializ	0 ation req	2.0 22.0		22.0		100	60	
CH4045 CH3045 CH3034			Total Specializ	0 ation req	2.0 22.0 uirement 3.0		22.0		100		
CH3045	Process Dynamics and Control Plant Safety, Health and Environment	C	Specializ 2 7/2	ation req	2.0 22.0 uirement 3.0 4.0		22.0		100 40 30	60 70	
CH3045 CH3034 CH3055 CH3150	Process Dynamics and Control Plant Safety, Health and Environment Process Equipment Design Energy Systems Engineering Chemical Process Synthesis and Integration	C C C C C	Total Specializ 2 7/2 3 2 2	0 ation req 2 1 2 2 2 2	2.0 22.0 22.0 3.0 4.0 4.0 3.0 3.0		22.0		40 30 40 40 40	60 70 60 60	
CH3045 CH3034 CH3055 CH3150 CH3880	Process Dynamics and Control Plant Safety, Health and Environment Process Equipment Design Energy Systems Engineering Chemical Process Synthesis and Integration Engineer and Society [85 & 86]	C C C C C	Total	0 ation req 2 1 2 2 2 2 2	2.0 22.0 3.0 4.0 4.0 3.0 3.0 1.0		22.0		100 40 30 40 40 40 100	60 70 60 60 60	
CH3045 CH3034 CH3055 CH3150 CH3880 MN3043	Process Dynamics and Control Plant Safety, Health and Environment Process Equipment Design Energy Systems Engineering Chemical Process Synthesis and Integration Engineer and Society [85 & 86] Business Economics and Financial Accounting	C C C C C C	Total Specializ 2 7/2 3 2 2 0 3	0 ation req 2 1 2 2 2 2 2 0	2.0 22.0 3.0 4.0 4.0 3.0 3.0 1.0 3.0		22.0		100 40 30 40 40 40 100 30	60 70 60 60 60 0 70	
CH3045 CH3034 CH3055 CH3150 CH3880 MN3043 MA3014	Process Dynamics and Control Plant Safety, Health and Environment Process Equipment Design Energy Systems Engineering Chemical Process Synthesis and Integration Engineer and Society [53 & 86] Business Economics and Financial Accounting Applied Statistics	C C C C C C E	Total Specializ 2 7/2 3 2 0 3 2 2	0 ation req 2 1 2 2 2 2 2 0 0	2.0 22.0 3.0 4.0 4.0 3.0 3.0 3.0 1.0 3.0 2.0		22.0		40 30 40 40 40 100 30 30	60 70 60 60 60 0 70	
CH3045 CH3034 CH3055 CH3150 CH3880 MN3043 MA3014 MA2024	Process Dynamics and Control Plant Safety, Health and Environment Process Equipment Design Energy Systems Engineering Chemical Process Synthesis and Integration Engineer and Society [S3 & S6] Business Economics and Financial Accounting Applied Statistics Calculus	C C C C C C	Total Specializ 2 7/2 3 2 2 0 3	0 ation req 2 1 2 2 2 2 2 0	2.0 22.0 3.0 4.0 4.0 3.0 3.0 1.0 3.0 2.0 2.0		22.0		100 40 30 40 40 40 100 30	60 70 60 60 60 0 70	
CH3045 CH3034 CH3055 CH3150 CH3880 MN3043 MA3014	Process Dynamics and Control Plant Safety, Health and Environment Process Equipment Design Energy Systems Engineering Chemical Process Synthesis and Integration Engineer and Society [53 & 86] Business Economics and Financial Accounting Applied Statistics	C C C C C E E	Total Specializ 2 7/2 3 2 2 0 3 2 2 2 2 2 2 2 2 2	0 ation req 2 1 2 2 2 2 2 0 0 0	2.0 22.0 3.0 4.0 4.0 3.0 3.0 3.0 1.0 3.0 2.0		22.0		40 30 40 40 40 100 30 30 30	60 70 60 60 60 0 70 70	
CH3045 CH3034 CH3055 CH3150 CH3880 MN3043 MA3014 MA2024	Process Dynamics and Control Plant Safety, Health and Environment Process Equipment Design Energy Systems Engineering Chemical Process Synthesis and Integration Engineer and Society [53 & 86] Business Economics and Financial Accounting Applied Statistics Calculus Operational Research	C C C C C E E	Total Specializ 2 7/2 3 2 2 0 3 2 2 2 2 Total Total Specialize Total Total Specialize Total Tot	0 ation req 2 1 2 2 2 2 0 0 0 0	2.0 22.0 3.0 4.0 4.0 3.0 3.0 1.0 2.0 2.0 2.0 27.0	0.0	22.0 23.0 21.0 2.0 23.0	0.0	40 30 40 40 40 100 30 30 30	60 70 60 60 60 0 70 70	
CH3045 CH3034 CH3055 CH3150 CH3880 MN3043 MA3014 MA2024 MA3030	Process Dynamics and Control Plant Safety, Health and Environment Process Equipment Design Energy Systems Engineering Chemical Process Synthesis and Integration Engineer and Society [S5 & S6] Business Economics and Financial Accounting Applied Statistics Calculus Operational Research	C C C C C C E E E E	Total	0 ation req 2 1 2 2 2 2 0 0 0 0	2.0 22.0 3.0 4.0 4.0 3.0 3.0 1.0 2.0 2.0 2.0 27.0	0.0	22.0 23.0 21.0 2.0 23.0	0.0	40 30 40 40 40 100 30 30 30 30	60 70 60 60 60 0 70 70 70	
CH3045 CH3034 CH3055 CH3150 CH3880 MN3043 MA3014 MA2024	Process Dynamics and Control Plant Safety, Health and Environment Process Equipment Design Energy Systems Engineering Chemical Process Synthesis and Integration Engineer and Society [53 & 86] Business Economics and Financial Accounting Applied Statistics Calculus Operational Research	C C C C C E E	Total Specializ 2 7/2 3 2 2 0 3 2 2 2 2 2 Total Specializ Specializ	0 ation req 2 1 2 2 2 2 0 0 0 0	2.0 22.0 3.0 4.0 3.0 3.0 3.0 3.0 2.0 2.0 2.0 2.7.0	0.0	22.0 21.0 2.0 23.0	0.0	40 30 40 40 40 100 30 30 30	60 70 60 60 60 0 70 70	
CH3045 CH3034 CH3055 CH3150 CH3880 MN3043 MA3014 MA2024 MA3030	Process Dynamics and Control Plant Safety, Health and Environment Process Equipment Design Energy Systems Engineering Chemical Process Synthesis and Integration Engineer and Society [S5 & S6] Business Economics and Financial Accounting Applied Statistics Calculus Operational Research	C C C C C C E E E E	Total Specializ 2 7/2 3 2 2 0 3 2 2 2 2 Total Total Specialize Total Total Specialize Total Tot	0 ation req 2 1 2 2 2 2 0 0 0 0	2.0 22.0 3.0 4.0 4.0 3.0 3.0 1.0 2.0 2.0 2.0 27.0	0.0	22.0 23.0 21.0 2.0 23.0	0.0	40 30 40 40 40 100 30 30 30 30	60 70 60 60 60 0 70 70 70	
CH3045 CH3034 CH3055 CH3150 CH3880 MN3043 MA3014 MA2024 MA3030	Process Dynamics and Control Plant Safety, Health and Environment Process Equipment Design Energy Systems Engineering Chemical Process Synthesis and Integration Engineer and Society [S5 & S6] Business Economics and Financial Accounting Applied Statistics Calculus Operational Research	C C C C C C E E E E	Total Specializ 2 7/2 3 2 2 0 3 2 2 2 2 2 Total Specializ Specializ	0 ation req 2 1 2 2 2 2 0 0 0 0 0	2.0 22.0 uiremen 3.0 4.0 4.0 3.0 3.0 1.0 2.0 2.0 2.0 27.0 uiremen	0.0 t 6.0 6.0	22.0 23 21.0 2.0 23.0 6	0.0	40 30 40 40 40 100 30 30 30 30	60 70 60 60 60 0 70 70 70	
CH3045 CH3034 CH3055 CH3150 CH3880 MN3043 MA3014 MA2024 MA3030	Process Dynamics and Control Plant Safety, Health and Environment Process Equipment Design Energy Systems Engineering Chemical Process Synthesis and Integration Engineer and Society [S5 & S6] Business Economics and Financial Accounting Applied Statistics Calculus Operational Research Industrial Training Industrial Training	C C C C C C E E E E	Total Specializ 2 7/2 3 2 2 0 3 2 2 2 2 Total Specializ Total	0 ation req 2 1 2 2 2 2 0 0 0 0 0	2.0 22.0 uiremen 3.0 4.0 4.0 3.0 3.0 1.0 2.0 2.0 2.0 27.0 uiremen	0.0 t 6.0 6.0	22.0 23 21.0 2.0 23.0 6	0.0 0.0 6.0 6.0	40 30 40 40 40 100 30 30 30 30	60 70 60 60 60 0 70 70 70	
CH3045 CH3034 CH3055 CH3050 CH3150 CH3180 MN3043 MA3014 MA3024 MA3030 CH3994 EL3820 CH4751	Process Dynamics and Control Plant Safety, Health and Environment Process Equipment Design Energy Systems Engineering Chemical Process Synthesis and Integration Engineer and Society [85 & 86] Business Economics and Financial Accounting Applied Statistics Calculus Operational Research Industrial Training Industrial Training Semester 6	C C C C C E E E C C C C C C C C C C C C	Total Specializ 2 2 3 3 2 2 2 2 2 Total Specializ Total Specializ 1 0 0	0 ation req 2 1 2 2 2 0 0 0 0 0 ation req 4 2	2.0 22.0 uiremen 3.0 4.0 4.0 3.0 1.0 3.0 2.0 2.0 2.0 27.0 uiremen 3.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.0 t 6.0 6.0	22.0 21.0 2.0 23.0 6 0.0	0.0 0.0 6.0 6.0	100 40 30 40 40 100 30 30 30 30 30 100 100	60 70 60 60 60 0 70 70 70 70	
CH3045 CH3034 CH3053 CH3055 CH3150 CH3180 MN3043 MA3014 MA2024 MA3030 CH3994 EL3820 CH4751 CH3170	Process Dynamics and Control Plant Safety, Health and Environment Process Equipment Design Energy Systems Engineering Chemical Process Synthesis and Integration Engineer and Society [S5 & S6] Business Economics and Financial Accounting Applied Statistics Calculus Operational Research Industrial Training Industrial Training Industrial Training Semester 6 Technical Report Writing and Presentation Skills Research Project [S6, S7 & S8] Laboratory Practices III	C C C C C C C C C C C C C C C C C C C	Total Specializ 2 7/2 3 2 2 2 2 2 2 2 2	0 2 1 2 2 2 0 0 0 0 4 4 2 6	2.0 22.0 uiremen 3.0 4.0 3.0 3.0 1.0 3.0 2.0 2.0 2.0 27.0 uiremen 0.0 uiremen 3.0 1.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	0.0 t 6.0 6.0	22.0 23 21.0 2.0 23.0 6	0.0 0.0 6.0 6.0	100 40 30 40 40 100 30 30 30 30 30 100 100 10	60 70 60 60 60 0 70 70 70 70	
CH3045 CH3034 CH3055 CH3050 CH3150 CH3180 MN3043 MA3014 MA3024 MA3030 CH3994 EL3820 CH4751	Process Dynamics and Control Plant Safety, Health and Environment Process Equipment Design Energy Systems Engineering Chemical Process Synthesis and Integration Engineer and Society [S5 & S6] Business Economics and Financial Accounting Applied Statistics Calculus Operational Research Industrial Training Industrial Training Industrial Training Semester 6 Technical Report Writing and Presentation Skills Research Project [S6, S7 & S8]	C C C C C E E E C C C C C C C C C C C C	Total Specializ 2 2 3 3 2 2 2 2 2 Total Specializ Total Specializ 1 0 0	0 ation req 2 1 2 2 2 0 0 0 0 0 ation req 4 2	2.0 22.0 uiremen 3.0 4.0 4.0 3.0 1.0 3.0 2.0 2.0 2.0 27.0 uiremen 3.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0.0 t 6.0 6.0	22.0 21.0 2.0 23.0 6 0.0	0.0 0.0 6.0 6.0	100 40 30 40 40 100 30 30 30 30 30 100 100	60 70 60 60 60 0 70 70 70 70	

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Intake:	2020 onwards	Specia	lization:	Chemica	al and Pro	neering				
	Semester 7		Specializ	ation rec	quirement		13.0			
CH4016	Comprehensive Design Project I	С	0	8	4.0		-	,	100	0
CH4751	Research Project [S6, S7 & S8]	C	0	2	1.0		7.0	_	100	0
MN4023	Engineering Economics	C	2	0	2.0		7.0		30	70
CH4120	Biofisels and Biorefineries	E	2.	2	3.0				40	60
CH4130	Process Optimization	E	2	2	3.0		3.0		40	60
CH4140	Biotechnology	E	2	2	3.0				40	60
CH4160	Process Chemicals Management	E	2	2	3.0				40	60
CH4371	Petroleum Trade and Economics	E	2	2	3.0				30	70
CH4410	Polymeric Materials	E	2.	2	3.0				30	70
CH4026	Process Modelling and Simulation	E	2	2	3.0		1		40	60
CH4420	Waste Minimization and Resources Recovery	E	2	2	3.0		3.0		30	70
CH4430	Industrial Chemical Manufacturing Processes	E	2	2	3.0				40	60
CH4235	Polymer Processing Operations	E	2	2	3.0				30	70
CH3720	Waste to Energy	E	2	2	3.0				40	60
CH3253	Environmental Bioengineering	E	2.	2	3.0				30	70
CH4440	Petrochemical Process Operations	E	2.	2	3.0				30	70
CH4285	Food Safety and Hygienic Plant Design	E	2	2	3.0				40	60
	1		Total		49.0	0.0	13.0	0.0		
					1212					
		Specialization requirement								
	Semester 8		Specializ	ation req	uiremen		10	0.0		
CH4035	Semester 8 Comprehensive Design Project II	С	Specializ 0	ation req	uirement 5.0	1	10	0.0	100	0
CH4035 CH4751		C				į		0.0	100	0
	Comprehensive Design Project II		0	10	5.0	1	10.0	0.0		0
CH4751	Comprehensive Design Project II Research Project [S6, S7 & S8]	С	0	10	5.0 1.0			0.0	100	0
CH4751 MN4151	Comprehensive Design Project II Research Project [S6, S7 & S8] Project Management	C	0 0 2	10 2 0	5.0 1.0 2.0			0.0	100	70 70
CH4751 MN4151 MN4113	Comprehensive Design Project II Research Project [S6, 87 & S8] Project Management Production and Operations Management	C C	0 0 2 2 2	10 2 0 0	5.0 1.0 2.0 2.0			0.0	100 30 30	70 70
CH4751 MN4151 MN4113 CH4275	Comprehensive Design Project II Research Project [S6, 87 & 88] Project Management Production and Operations Management Polymer Products Manufacturing Technologies	C C C	0 0 2 2 2	10 2 0 0 2	5.0 1.0 2.0 2.0 3.0			0.0	100 30 30 40	70 70 60
CH4751 MN4151 MN4113 CH4275 CH4742	Comprehensive Design Project II Research Project [S6, S7 & S8] Project Management Production and Operations Management Polymer Products Manufacturing Technologies Polymer Products and Tool Design	C C C E E	0 0 2 2 2 2 2	10 2 0 0 2 2	5.0 1.0 2.0 2.0 3.0 3.0			0.0	100 30 30 40 40	0 70 70 60 60
CH4751 MN4151 MN4113 CH4275 CH4742 CH4742	Comprehensive Design Project II Research Project [86, 87 & 83] Project Management Production and Operations Management Podymer Products Manufacturing Technologies Polymer Products and Tool Design Energy Storage Systems	C C C E E E	0 0 2 2 2 2 2 2	10 2 0 0 2 2 2	5.0 1.0 2.0 2.0 3.0 3.0 3.0			0.0	100 30 30 40 40 40	0 70 70 60 60 60
CH4751 MN4151 MN4113 CH4275 CH4742 CH4450 CH4255	Comprehensive Design Project II Research Project [S6, 87 & S8] Project Management Production and Operations Management Polymer Products Manufacturing Technologies Polymer Products and Tool Design Energy Storage Systems Renewable Energy	C C C E E E	0 0 2 2 2 2 2 2 2	10 2 0 0 2 2 2 2 2	5.0 1.0 2.0 2.0 3.0 3.0 3.0 3.0			0.0	100 30 30 40 40 40 40	0 70 70 60 60 60 60
CH4751 MN4151 MN4113 CH4275 CH4742 CH4450 CH4255 CH4651	Comprehensive Design Project II Research Project [S6, S7 & S8] Project Management Production and Operations Management Polymer Products Manufacturing Technologies Polymer Products and Tool Design Energy Storage Systems Renewable Energy Combustion Technology	C C C E E E E E E	0 0 2 2 2 2 2 2 2 2 2 2	10 2 0 0 2 2 2 2 2 2	5.0 1.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0			0.0	100 30 30 40 40 40 40 40	0 70 70 60 60
CH4751 MN4151 MN4113 CH4275 CH4742 CH4450 CH4255 CH4651 CH4215	Comprehensive Design Project II Research Project [86, 87 & 83] Project Management Production and Operations Management Podymer Products Manufacturing Technologies Polymer Products and Tool Design Energy Storage Systems Renewable Energy Combustion Technology Environmental Engineering and Management	C C C E E E E E E	0 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10 2 0 0 2 2 2 2 2 2	5.0 1.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0			0.0	100 30 30 40 40 40 40 40 30	0 70 70 60 60 60 60 70
CH4751 MN4151 MN4151 CH4275 CH4742 CH4450 CH4255 CH4651 CH4215 CH4460	Comprehensive Design Project II Research Project [56, 57 & S8] Project Management Production and Operations Management Podymer Products Manufacturing Technologies Polymer Products and Tool Design Energy Storage Systems Renewable Energy Combustion Technology Environmental Engineering and Management Sustainable Process Technology	C C C E E E E E E E E E	0 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10 2 0 0 2 2 2 2 2 2 2 2 2	5.0 1.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3			0.0	100 30 30 40 40 40 40 40 30 30	0 70 70 60 60 60 60 70 70
CH4751 MN4151 MN4151 CH4275 CH4742 CH4450 CH4255 CH4651 CH4215 CH4460 CH4351	Comprehensive Design Project II Research Project [S6, 87 & 88] Project Management Production and Operations Management Polymer Products and Tool Design Energy Storage Systems Renewable Energy Combustion Technology Environmental Engineering and Management Sustainable Process Technology Up-stream Oil and Gas Operations	C C C E E E E E E E E E E E E E E E E E	0 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10 2 0 0 2 2 2 2 2 2 2 2 2 2 2 2	5.0 1.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3			0.0	100 30 30 40 40 40 40 40 30 30 30	0 70 70 60 60 60 60 70 70 70
CH4751 MN4151 MN4151 CH4275 CH4742 CH4450 CH4255 CH4651 CH4215 CH4460 CH4351 CH4381	Comprehensive Design Project II Research Project [86, 87 & 88] Project Management Production and Operations Management Podymer Products Manufacturing Technologies Podymer Products and Tool Design Energy Storage Systems Renewable Energy Combustion Technology Environmental Engineering and Management Sustainable Process Technology Up-stream Oil and Gas Operations Petroleum Refining Operations	C C C E E E E E E E E E E E E E E E E E	0 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10 2 0 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5.0 1.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3			0.0	100 30 30 40 40 40 40 40 30 30 30 30	0 70 70 60 60 60 60 70 70 70 70
CH4751 MN4151 MN4113 CH4275 CH4742 CH4450 CH4255 CH4651 CH4215 CH4460 CH4351 CH4381 CH4294	Comprehensive Design Project II Research Project [56, 57 & S8] Project Management Production and Operations Management Podymer Products Manufacturing Technologies Polymer Products and Tool Design Energy Storage Systems Renewable Energy Combustion Technology Environmental Engineering and Management Sustainable Process Technology Up-stream Oil and Gas Operations Petroleum Refining Operations Bioengineering	C C C E E E E E E E E E E E E E E E E E	0 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10 2 0 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5.0 1.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	0.0		0.0	100 30 30 40 40 40 40 40 30 30 30 30 40	0 70 70 60 60 60 60 70

Total credit requirement for the Specialization	138.0
Faculty/Specialization Electives beyond the specialization requirements [refer faculty electives table]*	12.0
TOTAL CREDIT REQUIREMENT FOR GRADUATION	150.0

Service modules										
Code	Module Name	eter	Time allocation [Hours/Week]		Credits		Offered to	Evaluation %		
	Module Pallie	Sen	Lecture	Lab / Tute	GPA	NGPA	Onereato	CA	WE	

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