1.	AEROSPACE ENGINEERING	MINO	R	Template No. AE-5	
				·	
		Title	AEROSPACE ENG	NEEIRNG	
		C O U	Compulsory Cour AE201A [05]	se:	
		R S E S	Any THREE from: AE211A [11] AE321A [09]		
			AE331A [09] AE650A [09] / AE	753A [09] / AE341 [11]	

2.	BIOLOGICAL SCIENCES AND BIO-ENGINEERING	MINO	R	Template No. BSBE-5	
		Title	TISSUE ENGINEERING		
		С	BSE211A [09]		
		U R	BSE411A [11] BSE421A [11]		
		S	-		
		S			
			31		

3.	CHEMICAL ENGINEERING	MINO	R	Template No. CHE-5	
		Title	CHEMICAL ENGIN	IEERING	
		C O U R	CHE251A [09] CHE261A [09] CHE313A [09]		
		S E	CHE313A [09]		
		S	36		

4.	CHEMISTRY	MINOR				Template No. CHM-5	
4.	CHEMISTRY	Title C O U R S E S	PHYSICAL CHEMISTRY* Compulsory Courses: CHM321A [09] CHM322A [09] Any TWO from: CHM621A [09] CHM622A [09] CHM626A [09] CHM637A [09] CHM637A [09] CHM650A [09] CHM664A [09] CHM685A [09] CHM685A [09] CHM689A [09] CHM695A [09] CHM696A [09]		2A [09] O from: 6A [09] 1A [09] 6A [09] 7A [09] 1A [09] 4A [09] 8A [09]	CHM201A [09] CHM202A [09] CHM402A [09] -	
			CHM699A [09]		36	36	
		2)	*CSO202A is a pre-requisite for	done by Y13	ysical Chemistry 3 and onward batches	s. Y11 and Y12 batch shall do CHM	203A. Coursi

5.	CIVIL ENGINEERING	MINO	R		Template No. CE-5	Remark:
						1. Minor in Infrastructure
		Title	Infrastructure Engi	ineering and	Management	Engineering and Management
			•			under Civil Engineering department
		С	CE241 [09]		[odd semester]	has been discontinued.
		0 U	CE640 [09]		[odd semester]	
		R	CE641A [05]		[odd semester]	
		S E	CE643A [05] or CE6	644A [05]	[even semester]	
		s	CE667A [05]		[even semester]	

6.	COMPUTER SCIENCE & ENGINEERING	MINOR				Template No. CSE-4
		ALGORITHMS	COMPUTER SYSTEMS	THEORY OF COMPUTING	ARTIFICIAL INTELLIGENCE [®]	MACHINE LEARNING & APPLICATIONS
		COMPULSORY	COMPULSORY	COMPULSORY	COMPULSORY	COMPULSORY
		COURSE(S):	COURSE(S):	COURSE(S):	COURSE(S):	COURSE(S):
		CS210A [12]/ ESO207A[12]	CS210A [12]/ ESO207A[12]	CS210A [12]/ ESO207A[12]	CS210A [12/ ESO207A [12]	CS210A [12/ ESO207A [12]
		CS345A [09]		CS340A [09]	CS365A [09]	CS771A [09]
		And, ONE from:	And, TWO from:	And, ONE from:	And, ONE from:	And, ONE from:
		CS645A [09]	CS220A [12]	CS640A [09]	CS671A [09]	CS365A [09]
		CS646A [09]	CS330A [12]	CS641A [09]	CS672A [09]	CS671A [09]
		CS647A [09]	CS315A [09]	CS642A [09]	CS674A [09]	CS676A [09]
		CS648A [09]	CS335A [12]	CS643A [09]	CS675A [09]	CS678A [09]
		CS663A [09]	CS422A [09]	CS644A [09]	CS676A [09]	CS685A [09]
		CS664A [09]	CS425A [09]	CS649A [09]	CS685A [09]	CS698I [09]
		CS719A [09]	CS433A [09]	CS680A [09]	CS686A [09]	CS698N [09]
		CS743A [09]	CS455A [09]	CS681A [09]	CS782A [09]	CS698S [09]
				CS687A [09]		CS772A [09]
				CS740A [09]		CS773A [09]
				CS741A [09]		CS774A [09]
				CS742A [09]		-
		2) In each mi optional w	Alinor stream, the minimum nor stream any related cou with the permission of the Corstudents graduating till	rse(s), even if not mention SE DUGC.		ırses, may be taken as

7.	ELECTRICAL ENGINEERING	MINO	R		Template No. EE-4			
		Title	MICROELECTRONICS/ DIGITAL SYSTEMS	POWER	& S	INICATIONS IGNAL CESSING	CONTROLS	RF & PHOTONICS
		С	EE200A [11]	EE200A [11]	EE200A [11]	EE200A [11]	EE200A [11]
		O U	EE210A [11]	EE330A [11]	EE320A [11]	EE250A [11]	EE340A [11]
		R	EE311A [09]/	EE360A [09]	EE321A [09]/	EE650A [09]	EE612A [09]/
		S	EE370A [11]		EE301A [09]		EE642A [09]/
		E S						EE648A [09]
			31/33	31		31	31	31

8.	HUMANITIES & SOCIAL SCIENCES	MINC)R	Template No. HSS-1		
	(New Template)	Title	LINGUISTIC THEORY	ENGLISH LITERATURE		
8.	HUMANITIES & SOCIAL SCIENCES (New Template)			Pre-requisite: Completion of any one Literature course with at least a B grade. THREE courses from following: ENG123A [11] ENG125A [11] ENG431A [09] ENG432A [09] ENG433A [09] ENG433A [09] ENG435A [09] ENG435A [09] ENG436A [09] ENG436A [09] ENG438A [09] ENG439A [09] ENG440A [09] ENG446A [09] ENG456A [09] ENG457A [09] ENG458A [09] ENG458A [09] ENG458A [09] ENG466A [09] ENG466A [09] ENG466A [09] ENG466A [09] ENG466A [09] ENG466A [09] ENG4719A [09]		
	Remarks: If a student has done a course in English other than those listed above and wishes to have a Minor in English (Linguistics or English Literature), he/she may request the DUGC, HSS, to approve of the same.			ENG733A [09] ENG743A [09] ENG744A [09] ENG750A [09] ENG 752 [09] ENG 753 [09] ENG 764 [09] Total Required Credits for Minor: 27-31		

9.	INDUSTRIAL AND MANAGEMENT ENGINEERING	MINO	R	Template No. IME-3
		Title	INDUSTRIAL AND	MANAGEMENT ENGINEERING
		С	DE PG-1	
		0	DE PG-2	
		U	DE PG-3	
		R	-	
		l E		
		S		
			27	
		REMARK	(S·	
		1)		IME or MBA courses.
		1	•	

10.	MATERIALS SCIENCE & ENGINEERING	MINO	R	Template No. MSE-5	
		Title	FUNCTIONAL MA	TERIALS	
		c	Any THREE from:		
		0	MSE604A [09]		
		R S	MSE624A [09]		
		E	MSE628A [09]		
		,	MSE631A [09]		
			MSE693A [09]		
			27		

11.	MATHEMATICS AND SCIENTIFIC COMPUTING	MINOR		Template No. BS-MTH-5	Remark: 1. Minor in Applied Mathematics
		Title C O U R S E S	MTH308A [11] MTH428A [11] MTH426A [09]		under Mathematics and Scientific Computing department has been discontinued.
			31		

12.	MECHANICAL ENGINEERING	MINC)R	Template No. ME-5
		Title	MANURACTURING SCIENCES	COMPUTATIONAL TECHNIQUES IN MECHANICAL ENGINEERING
			Any THREE from:	Any THREE from:
		C		
		0	ME661A [09] (Prerequisite TA202A)	ME623A [09] (Prerequisite ESO202A, MSO203B)
		U R	ME662A [09] (Prerequisite TA202A)	ME630A [09] (Prerequisite ESO201A, ESO204A, MSO203B)
		S E	ME663A [09] (Prerequisite ESO202A, MSO203B)	ME685A [09] (Prerequisite – No backlog in core courses)
		S	ME664A [09] (Prerequisite TA202A, ESO204A or Equivalent Heat Transfer Course)	ME751A [09] (Prerequisite TA101A)
			ME665A [09] (Prerequisite TA202A)	MEXXXA [09] (Nonlinear Finite Element Techniques in Solid Mechanics)
			ME774A [09] (Prerequisite ESO202A, MSO203B)	MEXXXA [09] (Atomistic Simulations in Engineering)
			ME751A [09] (Prerequisite TA101A)	-
			ME761A [09] (Prerequisite TA202A)	
			27	27

13.	PHYSICS	MINOR		Template No. BS-PHY-5	
		Title	STATISTICAL MECHANICS	QUANTUM MECHANICS	
		0 U	PSO201A [08]	PSO201A [08]	
		R	PHY210A [06]	PHY210A [06]	
		E	PHY226B [06]	PHY226B [06]	
		8	PHY412A [11]	PHY431A [11]	
			31	31	

14.	COGNITIVE SCIENCE	MINO	R	Template No. CONG1	Remark:
		Title	COGNITIV	'E SCIENCE	1.Updated template of Minor in Cognitive Science
			Compulsory courses:		was approved by the Senate in its 550 th Meeting
			CGS401A [09]		(item No. 6).
		c	CGS402A [09]		2. The updated template is
			and, ONE courses from following lis	st:	applicable from July-2022 onwards.
			CGS702A [09]** CGS621A [09]		3. ** The project course is
		E	CGS622A [09]		a semester long project that a student must take
		S	CGS609A [09]		with any ONE or Jointly
			CGS698D [09] CGS691A [09]		(more than one) of the
			CGS671A [09]		faculty from the
			CGS651A [09]		Department of Cognitive Science.
			CS786A [09]		Science.
			BSE656A [09]		
			BSE662A [09]		
			27		

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15.	NUCLEAR ENGINEERING TECHNOLOGY	MINOR		Template No. BS-NET 2	Remark: 1. Minor in Nuclear
		Title	NUCLEAR ENGINEERING TECHNOL	NGINEERING TECHNOLOGY	
		0	NT602A [09] NT611A [09] NT614A [09]		been discontinued. Students may request for retrospective Minor if they completed the course requirements.
		R S E			
			27		

16.	STATISTICS AND DATA SCIENCE	MINOR		Template No. BS-SDS	
		Title C O U R S E S	MSO205A[11] or MTH211A[11] MTH411A[10] MTH208A[5]	DATA SCIENCE HSO201A[11] or CS203B[5]	
			31-37		

17.	Sustainable Energy Engineering	MINO	R	Template No. SEE-1	Remark:
	Sustainable Energy Engineering			•	As per this template, a
			Title Sustainable Energy Engineering		student has to take
			Compulsory courses:		minimum 2 courses from
			, , , , , , , , , , , , , , , , , , , ,		departmental electives.
			SEE604A [09]		Out of the two, if a
			SEE605A [09]		student wishes, s/he can
		С			take maximum one course
		0	and, TWO optional courses from fo	llowing list:	from courses listed as PG-
		U			DE (MBA681A, MBA683A,
		R	SEE606A [09]		MBA782A) but then the
		S	SEE607A [09]		remaining second
		E	SEE608A [09]		department elective
		S	EE698D [09]		course, s/he has to choose
			EE630A [09]		from optional department
			EE660A [09]		electives.
			EE631A [09]		
			MSE673A [09]		
			SEE602A [09]		
			SEE611A [09]		
			SEE612A [09]		
			SEE613A [09]		
			SEE614A [09]		
			SEE615A [09]		
			SEE616A [09]		
			SEE617A [09]		_
			ME743A [09]		
			ME686A [09]		4
			At most only one of the fell outre		-
			At most only one of the following MBA681A [09]	COURSES II TAKEN AS PG-DE:	-
			MBA683A [09]		-
			MBA782A [09]		-
			WDA76ZA [03]		-
			26		
			36		

The End