1.	AEROSPACE ENGINEERING	MINO	R	Template No. AE-5	
		Title	AEROSPACE ENGINE	EIRNG	
		6	Compulsory Course:		
		c O	AE201A [05]		
		U R			
		S	Any THREE from:		
		E	AE211A [11]		
		3	AE321A [09]		
			AE331A [09]		
			AE650A [09] / AE753	3A [09] / AE341 [11]	
			32-36		

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

3.	CHEMICAL ENGINEERING	MINO	R	Template No. CHE-5	
		Title	CHEMICAL ENGINEERING		
		C O U R S E S	CHE251A [09] CHE261A [09] CHE313A [09] CHE331A [09] -		
			36		

	Title C O U R S E S	PHYSICAL CHEMISTRY* Compulsory Courses: CHM321A [09] CHM322A [09] Any TWO from: CHM621A [09] CHM620A [09] CHM636A [09] CHM636A [09] CHM650A [09] CHM685A [09] CHM685A [09] CHM695A [09] CHM695A [09] CHM695A [09] CHM695A [09] CHM695A [09]	INORGANIC CHEMISTRY Compulsory Courses: CHM345A [09] CHM345A [09] CHM342A [09] CHM616A [09] CHM616A [09] CHM647A [09] CHM651A [09] CHM654A [09] CHM654A [09] CHM654A [09] CHM668A [09] CHM691A [09]	ORGANIC CHEMISTRY Compulsory Courses: CHM201A [09]** CHM202A [09] CHM303A [09] CHM402A [09] -	
		36	36	36	

5.	CIVIL ENGINEERING	MINO	R	Template	No. CE-5	Remark:
			-			1. Minor in Infrastructure
		Title	Infrastructure En	gineering and Management		Engineering and Management
						under Civil Engineering department
		С	CE241 [09]	[odd semester]		has been discontinued.
		O U	CE640 [09]	[odd semester]		
		R	CE641A [05]	[odd semester]		
		E	CE643A [05] or C	E644A [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 COURSE(S):	COMPULSORY COURSE(S):	COMPULSORY COURSE(S):	COMPULSORY COURSE(S):	COMPULSORY 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]	7	CS773A [09]	
				CS741A [09]	1	CS774A [09]	
				CS742A [09]		-	
		2) In each mi optional w	Ainor stream, the minimum nor stream any related cou vith the permission of the C r students graduating til	rrse(s), even if not mention SE DUGC.	s 30 . ed in the list of optional cou	urses, may be taken as	

7.	7. ELECTRICAL ENGINEERING		R		Template No.EE-4		
		Title	MICROELECTRONICS/ DIGITAL SYSTEMS	POWER	COMMUNICATIONS & SIGNAL PROCESSING	CONTROLS	RF & PHOTONICS
		С	EE200A [11]	EE200A [11]	EE200A [11]	EE200A [11]	EE200A [11]
		0 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	MINC)R		Template No. HSS-1
	SCIENCES	Title	LINGUISTIC THEORY	ENGLISH LITERATURE	PHILOSOPHY
	(New Template)				
			Pre-requisite: Completion of a Level-I	Pre-requisite: Completion of any one	Pre-requisite: Completion
			course in Linguistics with at least a B	Literature course with at least a B grade.	of any one Philosophy
			grade.		course.
			ONE course from following:	THREE courses from following:	THREE courses from following:
			ENG122A [11]		PHI141 [11]
			ENG122A [11] ENG124A [11]	ENG123A [11]	PHI147 [11]
				ENG125A [11]	PHI142 [11]
				ENG431A [09]	PHI143 [11]
		с		ENG432A [09]	PHI145 [11]
				ENG433A [09]	PHI446 [09]
		0	and, TWO courses from following:	ENG434A [09]	PHI447 [09]
			ENIC 400A [00]	ENG435A [09]	PHI448 [09]
		U	ENG408A [09]	ENG436A [09]	PHI452 [09]
		R	ENG423A [09]	ENG437A [09]	PHI455 [09]
		Ň	ENG443A [09]	ENG438A [09]	PHI443M [05]
		S	ENG447A [09]	ENG439A [09]	PHI757 [09]
			ENG448A [09]	ENG440A [09]	PHI774 [09]
		E	ENG449A [09]	ENG445A [09]	
		s	ENG452A [09]	ENG446A [09]	Total Required Credits for
		-	ENG467A [09]	ENG456A [09]	Minor: 27
			ENG748A [09]	ENG457A [09]	
			ENG754A [09]	ENG458A [09]	
			ENG759A [09]	ENG460A [09]	
				ENG466A [09]	
			Total Required Credits for Minor: 29	HSS405A [09]	
				ENG719A [09]	
				ENG733A [09]	
				ENG743A [09]	
	Remarks:			ENG744A [09]	
	If a student has done a course in English other than those listed above and wishes			ENG750A [09]	
	to have a Minor in English (Linguistics or			ENG 752 [09]	
	English Literature), he/she may request the			ENG 753 [09]	
	DUGC, HSS, to approve of the same.			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		
		UR	DE PG-3		
		S	-		
		E			
		S			
			27		
		REMARK	(S:		
		1)	DE PG may be from I	ME or MBA courses.	

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

11.	MATHEMATICS AND SCIENTIFIC COMPUTING			Remark: 1. Minor in Applied Mathematics	
		Title C O U R S E S	APPLIED MATHEMATICS MTH308A [11] MTH428A [11] MTH426A [09] 31		under Mathematics and Scientific Computing department has been discontinued.
			L		

12.	MECHANICAL ENGINEERING	MINO	R	Template No. ME-5
		Title	MANURACTURING SCIENCES	COMPUTATIONAL TECHNIQUES IN MECHANICAL ENGINEERING
			Any THREE from:	Any THREE from:
		С		
		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	
		o U	PSO201A [08]	PSO201A [08]	
		R	PHY210A [06]	PHY210A [06]	
		E	PHY226B [06]	PHY226B [06]	
		S	PHY412A [11]	PHY431A [11]	
			31	31	

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

15.	15. NUCLEAR ENGINEERING TECHNOLOGY		R	Remark: 1. Minor in Nuclear	
			NUCLEAR ENGINEERING TECHNOLO	DGY	Engineering Technology has been discontinued. Students
			NT602A [09]		may request for retrospective Minor if they completed the course requirements.
		R	NT611A [09] NT614A [09] -		
		S F			
		S			
			27		

16.	STATISTICS AND DATA SCIENCE	MINO	R Template No. BS-SDS		
		Title	STATISTICS AND DATA	A SCIENCE	
		0 U		201A[11] or CS203B[5]	
		R S F	MTH211A[11] MTH411A[10]		
		s	MTH208A[5]		
			31-37		

17.	Sustainable Energy Engineering	MINO	R	Template No. SEE-1	Remark:
					As per this template, a
		Title	Sustainable Energy Engineeri	ng	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
					take maximum one course
		0	and, TWO optional courses from foll	owing 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 electives.
			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]		
			At most only one of the following co	ourses if taken as PG-DE:	
			MBA681A [09]		
			MBA683A [09]		
			MBA782A [09]		
			36		

18.	Space, Planetary & Astronomical Sciences &	MINOR		Template No. SPASE-1	Remark:	All	future
• •	Space, Planetary & Astronomical Sciences & Engineering (SPASE)	Title C O U R S E S	Space Science Compulsory courses: SPA201 [09] and, any THREE Elective courses (9 department. [Except SPA602 (Mathematical Mer (Numerical Methods in Space Scien SPA401 [09] SPA613 [09] SPA661 [09] SPA601 [09] SPA603 [09]	credits each) offered by SPASE	Remark: courses departme ones enti mathema or numer will be elective complete	from ent, exco rely rela tical m ical tech availal course	the ept the ated to nethods nniques ble as es to

The End