1.	AEROSPACE ENGINEERING	MINO	MINOR Template No.AE-5		
		Title	AEROSPACE ENG	NEEIRNG	
			Compulsory Cour	se:	
		0	AE201A [05]		
		Ū			
		R	Any THREE from:		
		S			
		S	AE211A [11]		
			AE321A [09]		
			AE331A [09]		
			AE650A [09] / AE	753A [09] / AE341 [11]	
			32-36		

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

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

4. CHEMISTRY	MINOR		Template No. CHM-5		
	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] CHM636A [09] CHM650A [09] CHM664A [09] CHM685A [09] CHM685A [09] CHM685A [09] CHM695A [09] CHM696A [09]	INORGANIC CHEMISTRY Compulsory Courses: CHM345A [09] CHM342A [09] Any TWO from: CHM616A [09] CHM631A [09] CHM646A [09] CHM647A [09] CHM651A [09] CHM654A [09] CHM654A [09] CHM668A [09] CHM691A [09]	ORGANIC CHEMISTRY Compulsory Courses: CHM201A [09]** CHM202A [09] CHM303A [09] CHM402A [09]	
	<u>REMARKS</u> :	CHM699A [09] 36 *CSO202A is a pre-requisite for	36 Minor in Physical Chemistry	36	

5.	CIVIL ENGINEERING	MINO	R		Template No. CE-5	Remark:
						1. Minor in Infrastructure
		Title	Infrastructure Eng	ineering and I	Vianagement	Engineering and Management
						under Civil Engineering department
		С	CE241 [09]		[odd semester]	has been discontinued.
		0	CE640 [09]		[odd semester]	
		U R	CE641A [05]		[odd semester]	
		S	CE643A [05] or CE	544A [OE]	[even semester]	
		E		044A [03]		
		S	CE667A [05]		[even semester]	
}						1

6.	COMPUTER SCIENCE & ENGINEERING	MINOR				Template No. CSE-
		ALGORITHMS	COMPUTER SYSTEMS	THEORY OF COMPUTING	ARTIFICIAL INTELLIGENCE*1	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	Ninor stream, the minimum nor stream any related cou ith the permission of the Coror students graduating	rse(s), even if not mention SE DUGC.	s 30 . ed in the list of optional cou	rses, may be taken as

7.	ELECTRICAL ENGINEERING	MINO	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]
		O	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	MINO)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 of
			course in Linguistics with at least a B	Literature course with at least a B grade.	any one Philosophy course.
			grade.		
			ONE course from following:	THREE courses from following:	
			ENG122A [11]		PHI141
			ENG122A [11] ENG124A [11]	ENG123A [11]	PHI448
			LNG124A [11]	ENG125A [11]	PHI147
				ENG431A [09]	PHI452
		С		ENG432A [09]	PHI142
			and TMO sources from following:	ENG433A [09]	PHI455
		0	and, TWO courses from following:	ENG434A [09]	PHI143
			ENG408A [09]	ENG435A [09]	PHI443M
		U	ENG423A [09]	ENG436A [09]	PHI145
		R		ENG437A [09]	PHI757
		"	ENG443A [09]	ENG438A [09]	PHI446
		S	ENG447A [09]	ENG439A [09]	PHI774
			ENG448A [09]	ENG440A [09]	PHI447
		E	ENG449A [09]	ENG445A [09]	PHI140
		S	ENG452A [09]	ENG446A [09]	PHI161
			ENG467A [09]	ENG456A [09]	PHI450
			ENG748A [09]	ENG457A [09]	PHI481
			ENG754A [09]	ENG458A [09]	
			ENG759A [09]	ENG460A [09]	Total minimum Required
			Table Day Sand Condition for Million 20	ENG466A [09]	Credits for Minor: 27
			Total Required Credits for Minor: 29	HSS405A [09]	
				ENG719A [09]	Note: Courses as detailed
				ENG733A [09]	above with the suffix 'A' will
				ENG743A [09]	also be counted for the
	Remarks: If a student has done a course in English			ENG744A [09]	minor.
	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 DUGC, HSS, to approve of the same.			ENG 753 [09]	
	booc, 1133, 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		
		U	DE PG-3		
		R	-		
		E			
		S			
			27		
		REMARK	/c·		
		1)	DE PG may be from	IME or MBA courses.	
		-/			

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

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

12.	MECHANICAL ENGINEERING	MINO	OR	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	
13.	PHYSICS	Title C O U R S	PSO201A [08] PHY210A [06] PHY226B [06]	PSO201A [08] PHY210A [06] PHY226B [06]	
		E S	PHY412A [11]	PHY431A [11]	
			31	31	

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

15.	NUCLEAR ENGINEERING TECHNOLOGY	MINO	R Template No. BS-NET 2	1. Minor in Nuclear
			NUCLEAR ENGINEERING TECHNOLOGY	Engineering Technology has been discontinued. Students
		0	NT602A [09]	may request for retrospective Minor if they
		R	NT611A [09]	completed the course requirements.
		E	NT614A [09]	
		S	-	
			27	

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

17.	Sustainable Energy Engineering	MINOR Templa		Template No. SEE-1	Remark:
					**As per this template, a
		Title	Sustainable Energy Engineer	ring	student must take
			One Compulsory course:		one compulsory course and a minimum 2 courses
			SEE605A [09]		from the remaining list in
					which a maximum of one
			And minimum Two Department Ele	ective Courses	course is allowed from
					MBA courses (MBA681A,
			SEE601 [09]		MBA683A, MBA782A). For
			SEE602 [09]		example, a student
			SEE603 [09]		can take either 2 SEE course
			SEE604 [09]		and 1 MBA course apart
			SEE606 [09] SEE607 [09]		from the compulsory
			SEE608 [09]		course.
			SEE609 [09]		-
			SEE610 [09]		-
			SEE611 [09]		-
			SEE612 [09]		1
			SEE613 [09]		-
			SEE614 [09]]
			SEE615 [09]		
			SEE616 [09]		
			SEE617 [09]		_
			SEE618 [09]		
			SEE619 [09]		_
			SEE620 [09]		_
			SEE621 [09]		4
			SEE622 [09] SEE623 [09]		4
			SEE624 [09]		-
			SEE625 [09]		-
			SEE626M [09]		-
			SEE627 [09]		1
			SEE628 [09]		-
			At most one of the following course	es if taken as PG-DE:**	-
			MBA681 [09]		1
			MBA683 [09]]
			MBA782 [09]]
			Total Minimum Credits: 27		
	1		Total William Credits. 27		

18.	18. Space, Planetary & Astronomical Sciences &		MINOR Template No. SPASE-1		Remark: All	future
	Engineering (SPASE)				courses fro	m the
		Title	Space Science		department, e	xcept the
			Compulsory course:		ones entirely r	elated to
					mathematical	methods
			SPA201		or numerical te	echniques
					will be available as	lable as
		С	27 credits worth of courses from Elective courses offered by the SPASE	ective courses offered by the SPASE	elective courses to	rses to
		0	department		complete mind	r.
		U	SPA401 [09]			
		R	SPA613 [09]		•	
		E	SPA661 [09] SPA601 [09] SPA603 [09] SPA610 [09]			
		s				
		-				
			SPA612 [09]			
			SPA620 [09]		_	
			SPA621 [09] SPA622 [09] SPA625 [09]		_	
			SPA660 [09]		-	
			SPA611 [09] SPA402 [09] SPA613M [05] SPA614M [05] SPA615 [09] SPA618M [05] SPA661 [09]			
			Total minimum credits: 36			

19.	Economics (ECO)	MINOF	R	Template No. ECO-1	Note: Students should
					also have taken ECO111:
		Title	Economics		Economy, Society, and
			Compulsory courses:		Public Policy as part of
					the SCHEME basket or
			HSO201 (11) or MSO201 (11) or [N	/ISO205 (11) and MTH211 (11)]	as an Open Elective.
			ECO211 (11)		ds an open Elective.
		С	ECO231 (11)		
		О	ECO251 (11)		
		U			
		R			
		S	Minimum 44/55 credits		
		E			
		S			

The End