Sem.			AIML NEP20					
	Induction Training							
I	UST101 Applied Mathematics –I (BS)(4)	UST102 Applied Chemistry (BS)(4)	UST106 Elements of Electrical & Electronics Engg (ES)(4)	UST112 Programming in C (ES)(4)	UUC002 English & Communication Skills (HS) AEC I(2)	UUC001 Constitution of India VSEC (2)	UCC001 -010 Co-curricular Courses (CC)(1)	22
II	UST108 Applied Mathematics – II (BS)(4)	UST102 Applied Physics (BS)(4)	UST113 Programming in C++ (ES)(4)	UST105 Managing & Developing Innovations (ES)(2)	UST114 Microprocessor & Application PC (2)	UUC102 IKS (2)		20
III	UAM301 Transfer Calculus, Fourier Series and Numerical Techniques (BS)(4)	UAM302 Python Programming PC (4)	UAM303 DBMS /Fundamentals of cloud computing Program Elective –I (4)	UAM304 Data Structure PC (4)	UAM304 Computer Network PC (4)	UUC003 Environmental Sciences VEC (2)	UCC001 -010 Co-curricular Courses (CC) (1)	22
IV	UAM401 Complex Analysis Probability and Statistical methods PC (4)	UAM402 Operating System PC (4)	UAM403 Advanced Database/DPC Program Elective –II (4)	UAM404 Introduction to AI PC (4)	UAM405 Information Security Multidisciplinary Minor I (2)	UUC006/ UUC007 Foreign Language VEC (2)	UUC004/ UUC005 Modern Indian Language AEC I(2)	22
V	UAM501 Fuzzy logic PC (4)	UAM502 Design and Analysis of Algorithm PC (4)	UAM503 Big Data Analytics/Cloud Computing Program Elective –III (4)	UAM504 Machine learning PC (4)	UAM505 Cyber security Multidisciplinary Minor II (4)	UAM506 Field Project/Mini Project (2)	UCC001 -010 Co-curricular Courses (CC) (1)	22

VI	UAM601	UAM602	UAM60	03	UAM604		UAM606		
	Natural	Deep	Data V	isualization	Fundamental	UAM605			22
	Language	Learning	/AWS		of Tensors	Ethical Hacking	Software		22
	Processing	PC (4)	Progra	m Elective –IV	Open Elective		Proficiency		
	PC (4)			(4)	l(4)	Multidisciplinary	Program-I(R		
						Minor III (4)	Programming)		
							VSEC (2)		
VII	UST701	UAM702	l	******	UAM704	UAM705	UAM706	1100001 010	
	Buston and	0.11		AM703	Mobile	Block Chain	Software	UCC001 -010	
	Project and	Optimization		Computer	Application	Technology	Proficiency	Ca accession law	22
	Finance	Techniques		Cloud Security m Elective –VI	Development	Multidisciplinary Minor IV (4)	Program-II	Co-curricular Courses	22
	Management (4)	PC (4)	Piogra	(4)	Open Elective	10111101 10 (4)	(WT)	(CC) (1)	
	(4)			(4)	II(4)		VSEC (2)	(CC) (1)	
VIII	UST801				11(4)		V3LC (2)		
V	Research	Inte	ernshin/(On job Training	(12)				
	Methodology		p/		(+2)	Graduation			20
	(4) Online					Project (4)			
	Mode								
								Total	172
No.	Category	Category			Courses				
1.	Basic Science Co	Basic Science Courses/ Engg. Science		34					
	Courses	Courses							
2.	Program Core Courses			50					
3.	Program Elective Courses			20					
4.	Multidisciplinary Minor			14	2 +4+4+4 = 14 credits courses from other than major				
5.	Open Elective			08	Internet of Things, Industry 4.0, Innovation and Entrepreneurship,				
					Sustainable Development, Disaster Management				

7.	Humanities Social Science and	14	English & Communication Skills, Indian Modern Language, Project and
	Management		Finance Management,
8.	Experiential Learning Courses	22	Research Methodology, Field Project, Graduation project, Internship
9.	Co-curricular Courses	04	Health & Wellness, Yoga Education, Sports & Fitness, Cultural Activities,
			NSSS,NCC, Fine/ Applied/ Visual/ Performing Arts
Total		166	