

Curriculum Framework of First Year under NEP

Level	Sem.	Major		Minor	OE	VSC, SEC (VSEC)	AEC, VEC, IKS	OJT, FP, CEP, CC, RP	Credits	Cumulative Credits
		Mandatory (DSC 1 & DSC 2)	Electives							
6.0	I	Machine Learning (04) Foundations of Data Science (04) Machine Learning Practical (02) Foundations of Data Science Practical (02) Soft Skills (02)	Cyber and Information Security (04) Analysis of Algorithms (04)	Research in Computing (04)	----	----	----	----	4+4+2+2 +2+4+4 = 22	44
	II	Soft Computing (04) Foundations of Big Data (04) Soft Computing Practical (02) Foundations of Big Data Practical (02) Foundations of Mathematics (02)	Computer Forensics (04) Cloud Computing (04)	---	---	---	---	Internship/ Mini - Project (04)	4+4+2+2 +2+4+4 = 22	
	Cum Cr.	28	8	4	----	----	----	4	44	

Level	Sem.	Major		Minor/ RM	OJT/ FP	RP	Credits	Cumulative Credits
		Mandatory (DSC 1 & DSC 2)	Electives					
6.0	III	Applied Artificial Intelligence (04) Image Processing (04) Applied Artificial Intelligence Practical (02) Image Processing Practical (02) Entrepreneurship Essentials (02)	Blockchain and Cryptocurrency (04) OR Security Breaches and Countermeasures (04)	-	-	Research Project (04)	4+4+4+2 +4+4= 22	44
	IV	Introduction to Deep Learning (04) Robotics Process Automation (04) Introduction to Deep Learning Practical (02) Robotics Process Automation Practical (02)	Blockchain Technologies(04) OR Information Security Auditing (04)	-	-	Research Project (06)	4+4+4+4 +6= 22	
	Total credits in 2nd year	26	8	0	0	10	44	
	Cum Cr. Of 1st and 2nd year	54	16	4	4	10	88	