

		2																			
		C O 3	Analyse the linear and logistic regression solutions for real world problems				4	4											4		
		C O 4	Examine the inference from Time series models, integrate R and Hadoop				4	4											4		
		C O S	Implement the Statistical and Data Analytical Algorithms using R													6					
18 EC 22 08	VLSI DESI GN	C O 1	Understand the MOS device fabrication process		2	2															
		C O 2	Analysis of MOS operation principles, characteristics and scaling process		3	3															
		C O 3	Constructing the Transistor Level Logic circuits and understand the MOS layout design rules		3	3															
		C O 4	Study of MOS circuit performance and testing principles				3	3													
		C O 5	Create the MOS circuit modules through project-oriented approach using e-CAD tools						4												
	MAT HEM ATIC AL PRO GRA MMI NG-II	C O 1	Infinite-Dimensional optimization and catenoid identification methods	3	3			3													
		C O 2	Heuristics & Metaheuristics	3	3			3													
		C O 3	Evolutionary & Memetic algorithms for optimization		3			3													
		C O 4	Constraint Programming & penalty function	3	3			3													
		C O 5	Implementation of Functional Approaches & mathematical programming for optimization		3			3													
19 UC 00 08	INDI AN CON STIT UTIO N	C O 1	To understand Constitutional development after Independence															2			
		C O 2	To learn the fundamental features of the Indian Constitution																2		
		C O 3	To get a brief idea of the powers and functions of Union and State Governments																2		

