

Vellalar College for Women (Autonomous), Erode - 12										
Master of Science in Computer Science										
2018 – 2019 onwards										
Course Content and Scheme of Examinations (CBSE & OBE Pattern)										
Semester I										
Part	Study Component	Subject Code	Title of the Paper	Inst. Hrs./ Week	Exam. Dur. Hrs.	Max. Marks			Credits	
						CIA	ESE	Total		
III	Core	18CSPC101	Advanced Computer Architecture	4	3	25	75	100	4	
		18CSPC102	Design and Analysis of Algorithms	5	3	25	75	100	4	
		18CSPC103	Advanced Software Engineering	4	3	25	75	100	4	
		18CAPC309	Advanced Operating System	5	3	25	75	100	4	
		18CAPC310	System	4	3	25	75	100	4	
	Practical	18CSPC01	Design and Analysis of Algorithms Lab	5	3	40	60	100	3	
IV	Subject I	18CSPSP01	RDBMS Lab	3	3	40	60	100	3	
Total								700	26	
Semester II										
III	Core	18CSPC206	Advanced Java	6	3	25	75	100	5	
		18CSPC207	Digital Image Processing	6	3	25	75	100	5	
		18CSPC02	Advanced Java Lab	5	3	40	60	100	3	
	Practical	18CSPC03	Digital Image Processing Lab	5	3	40	60	100	3	
		18CSPE211	Mobile Computing	5	3	25	75	100	5	
	18CSPE221	Object Oriented Analysis and Design								
	18CAPE412	Soft Computing								
	18CSPE241	Internet of Things								
	IV	Subject II	18CAPS403	Advanced Multiskill Paper	3	1 *	40	60	100	3
	Total								600	24
* Online Examination										
Semester III										
Part	Study Component	Subject Code	Title of the Paper	Inst. Week	Exam. Dur. Hrs.	Max. Marks			Credits	
						CIA	ESE	Total		
III	Core	18CSPC308	SOA and Web Services	5	3	25	75	100	5	
		18CAPC514	ASP.NET Programming	4	3	25	75	100	4	
		18CSPC310	Machine Learning	5	3	25	75	100	5	
		Practical	18CAPCP09	ASP.NET Programming Lab	5	3	40	60	100	3
	Elective II	18CSPE312/ 18CAPE513	Information Security	5	3	25	75	100	5	
		18CSPE322	Cloud Computing and Big Data Analytics							
		18CSPE332	Principles of Compiler Design							
		18CAPE431	TCP/IP							
IV	Subject III	18CSPSP03	Web Designing lab	3	3	40	60	100	3	
IV	Subject IV	18CSPSP04	Software Testing Lab	3	3	40	60	100	3	
Total								700	28	
Semester IV										
III	Project	18CSPC4PV	Major Project *	-	-	-	200	200	12	
Total (I - IV Semesters)								2200	90	
*Project – 80% Viva-Voce – 20%((Both Internal and External)										

CIA – Continuous Internal Assessment Marks

EOS – End of Semester Examinations