

Vellalar College for Women (Autonomous), Erode - 12.									
Master of Computer Applications									
2018 - 2019 onwards									
Course Content and Scheme of Examinations (CBCS Pattern)&OBE									
Semester I									
Part	Study Component	Subject Code	Title of the Paper	Inst. Hrs./	Exam. Dur.	Max. Marks			Credits
						CIA	ESE	Total	
III	Core	18CAPC101	Digital Computer Fundamentals	4	3	25	75	100	4
		18CAPC102	Programming in C	4	3	25	75	100	3
		18CAPC103	Computer Organization and Architecture	4	3	25	75	100	4
		18CAPC104	Mathematical Foundations of Computer Science	4	3	25	75	100	4
		18CAPCP01	C Programming Lab	5	3	40	60	100	3
		18CAPCP02	Linux Lab (Script)	5	3	40	60	100	3
	Supportive I	18CAPA101	Accounting and Financial Management	4	3	25	75	100	4
Total								700	25
Semester II									
III	Core	18CAPC205	Object Oriented Programming with C++	4	3	25	75	100	3
		18CAPC206	Data Structures and Algorithms	4	3	25	75	100	4
		18CAPC207	Operations Research	5	3	25	75	100	4
		18CAPCP03	OOPS and C++ Lab	5	3	40	60	100	3
		18CAPCP04	Data structures Lab	5	3	40	60	100	3
	Supportive II	18CAPA202	Management Concepts and Communications	4	3	25	75	100	4
IV	Skill Based Subject I	18CAPSP01	Web Programming Lab	3	3	40	60	100	3
Total								700	24
Semester III									
Part	Study Component	Sub. Code	Title of the Paper	Inst. Hrs./	Exam. Dur.	Max. marks			Credits
						CIA	ESE	Total	
III	Core	18CAPC308	Java Programming	4	3	25	75	100	4
		18CSPC104/ 18CAPC309	Advanced Operating System	5	3	25	75	100	4
		18CSPC105/ 18CAPC310	Advanced Relational Database Management System	4	3	25	75	100	4
		18CAPC311	Software Engineering	4	3	25	75	100	4
		18CAPCP05	Advanced Java Lab	5	3	40	60	100	3
		18CAPCP06	RDBMS Lab	5	3	40	60	100	3

IV	Skill Based Subject II	18CAPSP02	SOA and Web Services Lab	3	3	40	60	100	3
Total								700	25
<b>Semester IV</b>									
III	Core	18CAPC412	Computer Networks	4	3	25	75	100	4
		18CAPC413	Data Mining Techniques	4	3	25	75	100	4
		18CAPCP07	Data Mining Lab	4	3	40	60	100	3
		18CAPCP08	Software Testing Lab	5	3	40	60	100	3
		09CAPCP06	Visual Programming Lab	5	3	40	60	100	3
		09CAPCP06	Visual Programming Lab	5	3	40	60	100	3
		09CAPCP06	Visual Programming Lab	5	3	40	60	100	3
	Elective I	18CAPE411	Network Security	5	3	25	75	100	5
		18CAPE421	Enterprise Networking						
		18CSPE342 / 18CAPE431	TCP/IP						
		18CAPE441	Distributed Computing						
	Elective II	18CSPE231/ 18CAPE412	Soft Computing	5	3	25	75	100	5
		11CAPE412	Knowledge Based Systems						
		18CAPE432	Embedded Systems						
18CAPE442		Natural Language Processing							
IV	Skill Based Subject III	18CSPS202/ 18CAPS403	Advanced Multiskill Paper	3	1*	40	60	100	3
Total								700	27
<b>* ESE is an Online Examination</b>									
<b>Semester V</b>									
Part	Study Component	Subject Code	Title of the Paper	Inst. Hrs./	Exam. Dur.	Max. Marks			Credits
						CIA	ESE	Total	
III	Core	18CSPC309/ 18CAPC514	ASP.NET Programming	4	3	25	75	100	4
		18CAPC515	Design of Information Systems	4	3	25	75	100	4
		18CSPCP04/ 18CAPCP09	ASP.NET Programming Lab	5	3	40	60	100	3
		18CAPCMPV	Mini Project **	4	—			100	3
	Elective III	18CSPE312/ 18CAPE513	Information Security	5	3	25	75	100	5
		18CAPE523	Software Project Management						
		18CAPE533	Multimedia and its Applications						
		18CAPE543	Machine Learning						

	Elective IV	18CAPE514 18CAPE524 18CAPE534 18CSPE211 / 18CAPE544	Digital Image Processing Big Data Analytics Cloud Computing Mobile Computing	5	3	25	75	100	5
IV	Skill Based Subject IV	18CAPS504	Python Programming	3	3	25	75	100	3
Total								700	27
<b>Semester VI</b>									
III	Core	18CAPC6PV	Major Project **	30	_			200	12
<b>Total (I - VI Semesters)</b>								<b>3700</b>	<b>140</b>
** Project Report Evaluation- 80% Viva-Voce- 20% (Both Internal and External )									