

Vellalar College for Women (Autonomous), Erode - 12.									
Bachelor of Computer Science									
2018- 2019 onwards									
Course Content and Scheme of Examinations (CBCS & 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	
I	Language I	18TAMU101 / 18HINU101	Tamil / Hindi	6	3	25	75	100	3
II	Language II	18ENHU101	English	6	3	25	75	100	3
III	Core	18CSUC101 / 18CAUC101	C Programming	5	3	25	75	100	4
		18CSUCP01/ 18CAUCP01	C Programming Lab	5	3	40	60	100	3
	Allied I	18CSUA101/ 18CAUA101/ 18ITUA101 / 18CTUA101	Mathematics - I (Numerical Methods and Bio Statistics)	6	3	25	75	100	5
	Foundation Course	18FOCU1ES	Environmental Studies	2	3	-	100	100	2
Total								600	20
Semester II									
I	Language I	18TAMU202/ 18HINU202	Tamil / Hindi	6	3	25	75	100	3
II	Language II	18ENHU202	English	6	3	25	75	100	3
III	Core	18CSUC202 / 18CAUC202	Digital Fundamentals and Architecture	4	3	25	75	100	4
		18CSUC203 / 18CAUC203	Linux and Perl Programming	4	3	25	75	100	4
		18CSUCP02/ 18CAUCP02	Linux and Perl Programming Lab	3	3	40	60	100	1
	Allied II	18CSUA202/ 18ITUA202	Mathematics - II (Discrete Structures)	5	3	25	75	100	5
IV	Value Education	18VEDU2HR	Value Education and Human Rights	2	3	-	100	100	2
Total								700	22

Semester III									
Part	Study Component	Subject Code	Title of the Paper	Inst. Hrs./ Week	Exam. Dur. Hrs.	Max. Marks			Credits
						CIA	ESE	Total	
III	Core	18CSUC304 / 18CAUC304	Data Structures and Algorithms	6	3	25	75	100	4
		18CSUC305 / 18CAUC305 / 18CTUC305	Object Oriented Programming with Java	5	3	25	75	100	4
		18CSUC306	Internet of Things	5	3	25	75	100	4
		18CSUCP03 / 18CAUCP03 / 18CTUCP03	Java Programming Lab	4	3	40	60	100	3
	Allied III	18CSUA303/ 18CAUA303	Business Accounting	5 (4+1**)	3	25	75	100	5
IV	Skill based Subject I			3	3	40	60	100	3
	Non Major Elective I			2	3	-	100	100	2
Total								700	25
Semester IV									
III	Core	18CSUC407 / 18CAUC407/ 18CTUC304	Relational Database Management Systems	5 (4+1**)	3	25	75	100	4
		18CSUC408 / 18CAUC408	Web Programming	5	3	25	75	100	4
		18CSUC409 / 18CAUC409	Operating Systems	6	3	25	75	100	4
		18CSUCP04 / 18CAUCP04	Web Programming Lab	4	3	40	60	100	3
	Allied IV	18CSUA404	Operations Research	5	3	25	75	100	5
IV	Skill based Subject II	18CSUS402 / 18CAUS402 / 18ITUS402/ 18CTUS402	Multi Skill Development Paper	3	1*	40	60	100	3
	Non Major Elective II			2	3	-	100	100	2
Total								700	25

** Accounting Package & RDBMS : one hour lab-internal only, No ESE

* Online Examination (ESE)

SKILL BASED SUBJECTS		
S.No	Subject Code	Title of the paper
1	18CSUSP01 / 18CAUSP01 / 18ITUSP01 / 18CTUSP01	Data Management for Biological Applications Lab [Cafeteria]
2	18CSUS402 / 18CAUS402 / 18ITUS402 / 18CTUS402	Multi Skill Development Paper
NON MAJOR ELECTIVES		
S.No	Subject Code	Title of the paper
1	18TMLU301	Basic Tamil *
	18TMLU402	
2	18ADTU301	Advanced Tamil **
	18ADTU402	
3	18CSUNP01 / 18CAUNP01 / 18ITUNP01 / 18CTUNP01	Data Processing through Excel Lab
	18CSUNP02 / 18CAUNP02 / 18ITUNP02 / 18CTUNP02	Web Designing Lab (Dream Weaver)
<p>* For students whose Part I in Secondary Education is not Tamil ** For students whose Part I in Higher Secondary Education is not Tamil</p>		

SELF LEARNING PAPERS (Optional)					
S.No	Subject Code	Title of the Paper	Exam. Dur. Hrs.	Max. Marks	Credits
1	13CSUSL01	Computer Ethics	3	100	5
2	13AUGSL05	General Awareness Online Examination	1*	100	5
3	16CSUSL15	Python	1**	100	5
4	16CSUSL25	PHP and MySQL	1**	100	5

* Online Examination

** Online Examination - Spoken Tutorial, IIT, Bombay

MOOCs Non-ranking Compusory Credit Course will be introduced in Part V for UG from the Academic Year 2019-20 and Onwards.