

Vellalar College for Women (Autonomous), Erode - 12.

Bachelor of Computer Technology

2018- 2019 onwards

Course Content and Scheme of Examinations (CBCS & OBE Pattern)

Semester I

Part	Study Component	Subject Code	Title of the Paper	Inst.	Exam. Dur. Hrs.	Max. Marks			Credits
				Hrs./ Week		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	18ITUC101/ 18CTUC101	C Programming with Data Structures	5	3	25	75	100	4
		18ITUCP01/ 18CTUCP01	C Programming and Data Structures 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
IV	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	18CTUC202	Operating System	4	3	25	75	100	4
		18CTUC203	Digital Computer Fundamentals	4	3	25	75	100	4
		18CTUCP02	Digital Lab	3	3	40	60	100	1
III	Allied II	18CAUA202/ 18CTUA202	Mathematics - II (Optimization Techniques)	5	3	25	75	100	5
		18VEDU2HR	Value Education and Human Rights	2	3	-	100	100	2
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	18CSUC407/ 18CAUC407/ 18CTUC304	Relational Database Management Systems	5 (4+1***)	3	25	75	100	4
		18CSUC305/ 18CAUC305/ 18CTUC305	Object Oriented Programming with Java	5	3	25	75	100	4
		18CTUC306	Computer Organization and Architecture	6	3	25	75	100	4
		18CSUCP03/ 18CAUCP03/ 18CTUCP03	Java Programming Lab	4	3	40	60	100	3
	Allied III	18ITUA303/ 18CTUA303	Microprocessors and its Architecture	5	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	18CTUC407	Principles of Compiler Design	5	3	25	75	100	4
		18CTUC408	C#.NET Programming	5	3	25	75	100	4
		18CTUC409	Computer Networks and Security	5	3	25	75	100	4
		18CTUCP04	C#.NET Programming Lab	5	3	40	60	100	3
	Allied IV	18CTUA404	Embedded Systems	5	3	25	75	100	5
IV	Skill Based Subject II	18CSUS402 / 18CAUS402 / 18ITUS402 / 18CTUS402	Multiskill Development Paper	3	1*	40	60	100	3
	Non-Major Elective II			2	3	-	100	100	2
Total								700	25

* On line

Examination

*** Oracle- 1 hr Lab Internal Only No ESE

SKILL BASED SUBJECTS		
S.No	Subject Code	Title of the paper
1	18CSUSP01 / 18CAUSP01 / 18ITUSP01 / 18CTUSP01	DataManagement for Biological Applications-Lab(Cafeteria System)
2	18CSUS402 / 18CAUS402 / 18ITUS402 / 18CTUS402	Multiskill 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 (Dream Weaver)-Lab
<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>		