

DEPARTMENT OF COMPUTER SCIENCE

U.G. COURSE PATTERN (2017 - 2020)

Sem.	Part	Code	Title of the paper	Hours	Credits
I	I	17GT1GS01/ 17GH1GS01	Tamil – I/ Hindi	5	3
	II	17GE1GSA1/ 17GE1GSB1	English	5	3
	III	17CS1MC01	Programming in C	4	4
	III	17CS1MC02	Digital principles and Applications	2	1
	III	17CS1AC01	Mathematical Foundations for Computer Science	5	4
	III	17CS1CP01	Programming in C Lab	3	2
	III	17CS1CP02	Office Automation Lab	2	1
	IV	17VE1GS01	Value Education	2	2
		17AE1SK01	SBE - I Communication Skills	2	2
		Total	30	22	
II	I	17GT2GS02/ 17GH2GS02	Tamil-II/ Hindi	5	3
	II	17GE2GSA2/ 17GE2GSB2	English	6	3
	III	17CS2MC03	Object Oriented Programming with C++	4	4
	III	17CS2MC04	Web Designing	2	1
	III	17CS2AC02	Computer Oriented Numerical Methods	5	4
	III	17CS2CP03	Object Oriented Programming - Lab	4	2
	III	17CS2CP04	Web Designing - Lab	2	1
	IV	17CS2SK02	SBE - II Design and Animation Lab** (Within the Department)	2	2
		Total	30	20	
III	I	17GT3GS03/ 17GH3GS03	Tamil-III/ Hindi	5	3
	II	17GE3GSA3/ 17GE3GSB3	English	6	3
	III	17CS3MC05	Programming in JAVA	4	3
	III	17CS3MC06	Computer Organization and Architecture	4	3
	III	17CS3AC03	Optimization Techniques	4	3
	III	17CS3CP05	Programming in JAVA Lab	3+1	3
	IV	17ES3GS01	Environmental Studies	2	2
		17AE3SK03	SBE - III Computer Hardware Lab**	2	2
		Total	30+1	22	

Sem.	Part	Code	Title of the paper	Hours	Credits
IV	I	17GT4GS04/ 17GH4GS04	Tamil-IV/ Hindi	5	4
	II	17GE4GSA4/ 17GE4GSB4	English	6	4
	III	17CS4MC07	Microprocessor	4	4
	III	17CS4AC04	Data and File Structures	5	4
	III	17CS4CE1A	Computer Graphics	4	3
	III	17CS4CE1B	Compiler Design		
	III	17CS4CP06	Microprocessor Lab	4	2
	IV	17CS4SK04	SBE - IV Design and Animation Lab**	2	2
			Total	30	23
V	III	17CS5MC08	Visual programming	5	5
	III	17CS5MC09	Database Management System (DBMS)	5	5
	III	17CS5MC10	Operating System	4	4
	III	17CS5CE2A	Software Engineering	4	3
	III	17CS5CE2B	Distributed Systems		
	III	17CS5CE2C	Parallel Processing		
	III	17CS5CE2D	Software Testing		
	III	17CS5CP07	Visual Programming Lab	5	3
	III	17CS5CP08	DBMS Lab	5	3
	IV	17AE5NE01/ 17NC5NE01	NME - I Aptitude Building - I/ Organization and Health Programme in NCC	2	2
		17CS5SS01	Self Study: Cloud Computing ##	--	2*
		17CS5MP01	Mini Project (Summer Holidays) #	--	1*
			Total	30	25 +3
VI	III	17CS6MC11	Computer Networks	5	5
	III	17CS6MC12	Data Mining	5	5
	III	17CS6MC13	Mobile Computing	4	4
	III	17CS6CE3A	Internet of Things	4	3
	III	17CS6CE3B	Information Security		
	III	17CS6CE3C	Big Data Techniques		
	III	17CS6CE3D	Artificial Intelligence		
	III	17CS6PR01	Project	10	6
	IV	17AE6NE02/ 17NC6NE02	NME - II Aptitude Building - II/National Integration and Personality Development	2	2
			Total	30	25
I-IV	V	17NP4GS01	NSS/NCC/P.Ed.	--	1
IV-V		17EX5GS01	Extension		2
			Total for all Semesters	180+1	140+3

* - Extra Credit

** - Practical Only

- Internal Only

- External Only