PSG College of Arts & Science, Coimbatore – 14.

Scheme of Learning and Evaluation

Programme: B Sc Computer Science (SF)

Course Title	Course Category	Course Type	Part Type	Semester	Credits
Hindi I	ELECTIVE	THEORY	1	1	3
French I	ELECTIVE	THEORY	1	1	3
Communicative English I Interpersonal Communication	CORE	THEORY	2	1	3
Problem Solving using C Programming	CORE	THEORY	3	1	4
Computers	CORE	THEORY	3	1	2
I (MA)	CORE	THEORY	3	1	4
Solving using C Programming Lab) Practical -II ((Data	CORE	PRACTICAL	3	1	2
Analysis& Visualization Lab))	CORE	PRACTICAL	3	1	2
Tamil-II	ELECTIVE	THEORY	1	2	3
Hindi-II	ELECTIVE	THEORY	1	2	3
LANGUAGE & CULTURE - II	ELECTIVE	THEORY	1	2	3
Communicative English II- Academic Communication	CORE	THEORY	2	2	3
Computing Using Python	CORE	THEORY	3	2	2
Data Structures and Algorithms	CORE	THEORY	3	2	3
II	CORE	THEORY	3	2	4
Using Python Lab)[Skill Based]	CORE	PRACTICAL	3	2	2
and Algorithms Lab)[Skill Based]	CORE	PRACTICAL	3	2	1
Ability Enhancement Compulsory Course -I-Value and Ethics for Human Excellence	CORE	THEORY	4	2	2
Professonal Skill					2
					3
	Hindi I French I Communicative English I Interpersonal Communication Problem Solving using C Programming Fundamentals of Digital Computers Mathematics for Computing - I (MA) Practical -I ((Problem Solving using C Programming Lab) Practical -II ((Data Analysis& Visualization Lab)) Tamil-II Hindi-II FRENCH - II - FRENCH LANGUAGE & CULTURE - II Communicative English II- Academic Communication Computing Using Python Data Structures and Algorithms Mathematics for Computing - II Practical III (Computing Using Python Lab)[Skill Based] Practical -IV (Data Structures and Algorithms Lab)[Skill Based] Ability Enhancement Compulsory Course -I-Value and Ethics for Human Excellence	Hindi I ELECTIVE French I ELECTIVE Ommunicative English I Interpersonal Communication Problem Solving using C Programming CORE Fundamentals of Digital Computers CORE Mathematics for Computing - I (MA) CORE Practical -I ((Problem Solving using C Programming Lab) CORE Practical -II ((Data Analysis& Visualization Lab)) CORE Tamil-II ELECTIVE Hindi-II ELECTIVE FRENCH - II - FRENCH LANGUAGE & CULTURE - II ELECTIVE Communicative English II- Academic Communication CORE Computing Using Python Data Structures and Algorithms CORE Mathematics for Computing - II CORE Practical III (Computing Using Python Lab)[Skill Based] CORE Practical -IV (Data Structures and Algorithms Lab)[Skill Based] CORE Ability Enhancement Compulsory Course -I-Value and Ethics for Human Excellence CORE Professonal Skill Enhancement-I CORE	Hindi I ELECTIVE THEORY French I ELECTIVE THEORY French I ELECTIVE THEORY Communicative English I Interpersonal Communication Problem Solving using C Programming CORE THEORY Mathematics for Computing - I (MA) CORE THEORY Practical -I ((Problem Solving using C Programming Lab) CORE THEORY Practical -II ((Data Analysis& Visualization Lab)) CORE PRACTICAL Tamil-II ELECTIVE THEORY Hindi-II ELECTIVE THEORY FRENCH - II - FRENCH LANGUAGE & CULTURE - II ELECTIVE THEORY Communicative English II-Academic Communication CORE THEORY Mathematics for Computing - II CORE THEORY Mathematics for Computing - II CORE THEORY Practical III (Computing Using Python Lab)[Skill Based] CORE PRACTICAL Practical -IV (Data Structures and Algorithms Lab)[Skill Based] CORE PRACTICAL Ability Enhancement Compulsory Course -I-Value and Ethics for Human Excellence CORE THEORY Professonal Skill Enhancement-I CORE THEORY	Hindi I ELECTIVE THEORY 1 French I ELECTIVE THEORY 1 Interpersonal Communication CORE THEORY 2 Problem Solving using C Programming CORE THEORY 3 Fundamentals of Digital Computers CORE THEORY 3 Mathematics for Computing - I (MA) CORE THEORY 3 Practical -I ((Problem Solving using C Programming Lab) CORE THEORY 3 Practical -II ((Data Analysis& Visualization Lab)) CORE PRACTICAL 3 Tamil-II ELECTIVE THEORY 1 FRENCH - II - FRENCH LANGUAGE & CULTURE - II COmmunicative English II-Academic Communication CORE THEORY 3 Mathematics for Computing - II CORE THEORY 1 CORE THEORY 3 Mathematics for Computing - II CORE THEORY 3 Mathematics for Core PRACTICAL 3 Practical III (Computing CORE PRACTICAL 3 Practical III (Computing CORE PRACTICAL 3 Practical III (Computing CORE PRACTICAL 3 Practical III (CORE THEORY 4 Professonal Skill Enhancement CORE THEORY 4	Course Title

23LAH303N	Hindi III	ELECTIVE	THEORY	1	3	3
23LAF303N	French III	ELECTIVE	THEORY	1	3	3
	Communicative English III					
	Developing English					
	Language Skills Through	2000				
23EU303N	Literature	CORE	THEORY	2	3	3
22CMI 1211N	Object Oriented	CORE	THEORY	3	3	3
23CMU311N	Programming using Java Database Management	CORE	THEORI	3	3	3
23CMU312N	Systems	CORE	THEORY	3	3	3
23CMU313N	Operating Systems	CORE	THEORY	3	3	2
2501/1031511	Statistics & Operations	CORE	IIIZORI	5		
23CMU314N	Research(ST)	CORE	THEORY	3	3	4
	Practical -V (Object Oriented					
	Programming using Java Lab					
23CMU315N)	CORE	PRACTICAL	3	3	2
	Practical -VI (Database					
23CMU316N	Management Sytems Lab)	CORE	PRACTICAL	3	3	2
	Environmental					
22AECU302	Studies&Sustainable Development Goals	CORE	THEORY	4	3	2
23LAT404N	Tamil-IV	ELECTIVE	THEORY	1	4	3
23LAH404N	Hindi-IV	ELECTIVE	THEORY	1	4	3
23LAH404N	FRENCH - IV FRENCH	ELECTIVE	THEORI	1	4	3
	LITERATURE &					
23LAF404N	GRAMMAR - II	ELECTIVE	THEORY	1	4	3
	Communicative English IV-					
23EU404N	English for career	CORE	THEORY	2	4	3
23CMU417N	.Net Programming	CORE	THEORY	3	4	2
23CMU418N	Computer Networks	CORE	THEORY	3	4	2
	Software Engineering and					
23CMU419N	Testing	CORE	THEORY	3	4	2
2267 577 120	Microprocessor and	COPE	THE COLUMN		4	
23CMU420	Microcontroller	CORE	THEORY	3	4	4
	Practical VII-(.Net Programming Lab)[Skill					
23CMU421N	Based]	CORE	PRACTICAL	3	4	1
2501042111	Practical-VIII (Computer	CORE	TRACTICAL	3		1
23CMU422N	Networks Lab)[Skill Based]	CORE	PRACTICAL	3	4	1
	Skill Enhancement Course -I-					
22SECU401	Information Security	CORE	THEORY	4	4	2
	Professional Skill					
23PSEU402	Enhancement-II	CORE	THEORY	4	4	2
	Discipline Specific Elective					
23CMU523A	Course -I : Cyber Security	ELECTIVE	THEORY	3	5	4
22CMILESON	Discipline Specific Elective		THEODY		ے ۔	4
23CMU523B	Course - I: Internet of Things	ELECTIVE	THEORY	3	5	4

	Discipline Specific Elective					
	Course - I: Software Project					
23DAU524	Management	ELECTIVE	THEORY	3	5	4
230110324	Discipline Specific Elective	LLLCTIVE	THEORT	3		-
	Course - I: Business					
23CTU524	Intelligence	ELECTIVE	THEORY	3	5	4
23010321	Discipline Specific Elective	ELLCTIVE	THEORY			•
	Course - I: Natural Language					
23CAU523	Processing	ELECTIVE	THEORY	3	5	4
	Discipline Specific Elective					
	Course - I: TCP/IP Protocol					
23NMB530	Suite	ELECTIVE	THEORY	3	5	4
	Discipline Specific Elective					
	Course - I: Mobile					
23ITU523	Computing	ELECTIVE	THEORY	3	5	4
	Mobile Application					
23CMU524	Development	CORE	THEORY	3	5	2
24CMU525N	Advanced Java Programming	CORE	THEORY	3	5	2
24CMU526N	Web Technologies	CORE	THEORY	3	5	3
	Principles of Compiler					
23CMU527	Design	CORE	THEORY	3	5	3
	Practical -IX (Mobile					
	Application Development					
23CMU528	Lab)	CORE	PRACTICAL	3	5	2
	Practical -X (Advanced Java					
23CMU529	Lab)	CORE	PRACTICAL	3	5	2
	Practical -XI (Web					
24CMU530N	Technologies Lab)	CORE	PRACTICAL	3	5	1
23CMU531	Internship	CORE	TRAINING	3	5	2
	Major Elective Course - II-					
23ITU633	Network and System Security	ELECTIVE	THEORY	3	6	4
	Major Elective Course II-			_		
23CMU633A	Healthcare Data Analytics	ELECTIVE	THEORY	3	6	4
22 (2) (1) (22)	Major Elective Course-II-		THE ODI.			
23CMU633B	Mining of Massive Data	ELECTIVE	THEORY	3	6	4
2207711624	Major Elective Course II-		THEODY	2		4
23CTU634	Block Chain Technology	ELECTIVE	THEORY	3	6	4
22(1411(22	Major Elective Course II-		THEODY	2		4
23CAU633	Robotics Major Floating Course H	ELECTIVE	THEORY	3	6	4
22DA11624	Major Elective Course II-		THEODY	3	6	4
23DAU634	Social Media Analytics Major Floative Course H	ELECTIVE	THEORY	3	6	4
23NMB639	Major Elective Course II-	ELECTIVE	THEORY	3	6	4
231NIVID039	Social Network Analysis Artificial Intelligence &	ELECTIVE	THEORI	3	U	4
24CMU634	Machine Learning	CORE	THEORY	3	6	3
24CMU635		CORE	THEORY	3	6	3
	Cloud Computing					3
23CMU636	Data Science	CORE	THEORY	3	6	3
2201411627	Design and Analysis of	CORE	THEODY	2		2
23CMU637	Algorithms	CORE	THEORY	3	6	3

	Practical XII-Computational					
23CMU638	Intelligence Lab	CORE	PRACTICAL	3	6	3
23CMU639	Project/Innovations/Startup	CORE	PROJECT	3	6	6