

**PSG College of Arts & Science, Coimbatore – 14.**

**Scheme of Learning and Evaluation**

**Programme: B Sc Computer Science (SF)**

Course Code	Course Title	Course Category	Course Type	Part Type	Semester	Credits
22LAH101N	Hindi I	ELECTIVE	THEORY	1	1	3
22LAF101N	French I	ELECTIVE	THEORY	1	1	3
22EU101N	Communicative English I Interpersonal Communication	CORE	THEORY	2	1	3
23CMU101	Problem Solving using C Programming	CORE	THEORY	3	1	4
22CMU102N	Fundamentals of Digital Computers	CORE	THEORY	3	1	2
22CMU103N	Mathematics for Computing - I (MA)	CORE	THEORY	3	1	4
22CMU104N	Practical -I ((Problem Solving using C Programming Lab)	CORE	PRACTICAL	3	1	2
22CMU105N	Practical -II ((Data Analysis& Visualization Lab))	CORE	PRACTICAL	3	1	2
22LAT202N	Tamil-II	ELECTIVE	THEORY	1	2	3
22LAH202N	Hindi-II	ELECTIVE	THEORY	1	2	3
22LAF202N	FRENCH - II - FRENCH LANGUAGE & CULTURE - II	ELECTIVE	THEORY	1	2	3
22EU202N	Communicative English II- Academic Communication	CORE	THEORY	2	2	3
22CMU206N	Computing Using Python	CORE	THEORY	3	2	2
22CMU207N	Data Structures and Algorithms	CORE	THEORY	3	2	3
22CMU208N	Mathematics for Computing - II	CORE	THEORY	3	2	4
22CMU209N	Practical III (Computing Using Python Lab)[Skill Based]	CORE	PRACTICAL	3	2	2
22CMU210N	Practical -IV (Data Structures and Algorithms Lab)[Skill Based]	CORE	PRACTICAL	3	2	1
23AECU201	Ability Enhancement Compulsory Course -I-Value and Ethics for Human Excellence	CORE	THEORY	4	2	2
23PSEU201	Professional Skill Enhancement-I	CORE	THEORY	4	2	2
23LAT303N	Tamil III	ELECTIVE	THEORY	1	3	3

23LAH303N	Hindi III	ELECTIVE	THEORY	1	3	3
23LAF303N	French III	ELECTIVE	THEORY	1	3	3
23EU303N	Communicative English III Developing English Language Skills Through Literature	CORE	THEORY	2	3	3
23CMU311N	Object Oriented Programming using Java	CORE	THEORY	3	3	3
23CMU312N	Database Management Systems	CORE	THEORY	3	3	3
23CMU313N	Operating Systems	CORE	THEORY	3	3	2
23CMU314N	Statistics & Operations Research(ST)	CORE	THEORY	3	3	4
23CMU315N	Practical -V (Object Oriented Programming using Java Lab )	CORE	PRACTICAL	3	3	2
23CMU316N	Practical -VI (Database Management Sytems Lab)	CORE	PRACTICAL	3	3	2
22AECU302	Environmental 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
23LAF404N	FRENCH - IV FRENCH LITERATURE & GRAMMAR - II	ELECTIVE	THEORY	1	4	3
23EU404N	Communicative English IV- English for career	CORE	THEORY	2	4	3
23CMU417N	.Net Programming	CORE	THEORY	3	4	2
23CMU418N	Computer Networks	CORE	THEORY	3	4	2
23CMU419N	Software Engineering and Testing	CORE	THEORY	3	4	2
23CMU420	Microprocessor and Microcontroller	CORE	THEORY	3	4	4
23CMU421N	Practical VII-(.Net Programming Lab)[Skill Based]	CORE	PRACTICAL	3	4	1
23CMU422N	Practical-VIII (Computer Networks Lab)[Skill Based]	CORE	PRACTICAL	3	4	1
22SECU401	Skill Enhancement Course -I- Information Security	CORE	THEORY	4	4	2
23PSEU402	Professional Skill Enhancement-II	CORE	THEORY	4	4	2
23CMU523A	Discipline Specific Elective Course -I : Cyber Security	ELECTIVE	THEORY	3	5	4
23CMU523B	Discipline Specific Elective Course - I: Internet of Things	ELECTIVE	THEORY	3	5	4

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

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