

PSG College of Arts & Science, Coimbatore – 14.

Scheme of Learning and Evaluation

Programme: B Sc Information Technology (SF)

Course Code	Course Title	Course Category	Course Type	Part Type	Semester	Credits
22LAT101N	Tamil - I	ELECTIVE	THEORY	1	1	3
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
22ITU101N	Structured Programming using C	CORE	THEORY	3	1	3
22ITU102N	Data Analysis and Visualization using Python	CORE	THEORY	3	1	3
22ITU103N	Statistics for Information Technology - I	CORE	THEORY	3	1	4
22ITU104N	Practical I (Structured Programming using C Lab)	CORE	PRACTICAL	3	1	2
22ITU105N	Practical II (Excel and Python 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
22ITU206N	Programming in C++	CORE	THEORY	3	2	2
22ITU207N	Data Structures	CORE	THEORY	3	2	2
23ITU208	Mathematical Foundations of Computing	CORE	THEORY	3	2	4
22ITU209N	Practical III-(Programming in C++ Lab) (Skill Based)	CORE	PRACTICAL	3	2	2
22ITU210N	Practical IV-(Data Structures Lab) (Skill Based)	CORE	PRACTICAL	3	2	2
23AECU201	Ability Enhancement Compulsory Course I-Values 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 EnglishIII : Developing English	CORE	THEORY	2	3	3

	Language Skills through Literature					
23ITU311N	Core Java Programming	CORE	THEORY	3	3	3
23ITU312N	Operating Systems	CORE	THEORY	3	3	3
23ITU313	Web Design and Development	CORE	THEORY	3	3	2
23ITU314N	Fundamentals of Digital Computers	CORE	THEORY	3	3	4
23ITU315N	Practical V (Core Java Programming Lab)	CORE	PRACTICAL	3	3	2
23ITU316N	Practical VI (Web Design and Development Lab)	CORE	PRACTICAL	3	3	1
22AECU302	Ability Enhancement Compulsory Course II : Environmental Studies & Sustainable Development Goals	CORE	THEORY	4	3	2
23LAT404	Tamil-IV	ELECTIVE	THEORY	1	4	3
23LAH404	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
23ITU417N	RDBMS Using Oracle	CORE	THEORY	3	4	3
23ITU418N	Software Engineering	CORE	THEORY	3	4	3
23ITU419N	Statistics for Information Technology - II	CORE	THEORY	3	4	4
23ITU420N	Practical VII-(RDBMS Using Oracle Lab)(Skill Based)	CORE	PRACTICAL	3	4	1
23ITU421N	Practical VIII-(Software Oriented Analysis and Design Lab)(Skill Based)	CORE	PRACTICAL	3	4	1
23ITU422N	Practical IX-(SPSS Lab)(Skill Based)	CORE	PRACTICAL	3	4	2
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
23ITU523	Discipline Specific Elective Course - I: Mobile Computing	ELECTIVE	THEORY	3	5	4
23CTU522	Discipline Specific Elective Course - I: Business Intelligence	ELECTIVE	THEORY	3	5	4

23CAU525	Discipline Specific Elective Course - I:Natural Language Processing	ELECTIVE	THEORY	3	5	4
23DAU524	Discipline Specific Elective Course - I:Software Project Management	ELECTIVE	THEORY	3	5	4
23NMB533	Discipline Specific Elective Course - I:TCP / IP Protocol Suite	ELECTIVE	THEORY	3	5	4
23ITU524	PHP and MySQL	CORE	THEORY	3	5	3
23ITU525	Computer Networks	CORE	THEORY	3	5	3
23ITU526	Cryptography	CORE	THEORY	3	5	3
23ITU527	Data Warehousing and Mining	CORE	THEORY	3	5	4
23ITU528	Practical X (PHP and MySQLLab)	CORE	PRACTICAL	3	5	1
23ITU529	Practical XI (Networks and Cryptography Lab)	CORE	PRACTICAL	3	5	1
23ITU530	Practical XII (Data Warehousing and Mining Lab)	CORE	PRACTICAL	3	5	1
23ITU531	Internship	CORE	TRAINING	3	5	3
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
23ITU634	R Programming	CORE	THEORY	3	6	3
23ITU635	NoSQL Databases	CORE	THEORY	3	6	3
23ITU636	Cloud Computing and Services	CORE	THEORY	3	6	3
23ITU637	Practical XIII-(R Programming Lab)	CORE	PRACTICAL	3	6	1
23ITU638	Practical XIV-(NoSQL Databases Lab)	CORE	PRACTICAL	3	6	1
23ITU639	Practical XV-(Linux and Shell Programming Lab)	CORE	PRACTICAL	3	6	1
23ITU640	Project / Innovation / Startup	CORE	PROJECT	3	6	6