

B.SC INFORMATION TECHNOLOGY PROGRAMME
SCHEME OF LEARNING AND EVALUATION
(For the students admitted in the academic year 2025 – 2026 & onwards)
Outcome Based Curriculum Framework with CBCS

Course Code	Course Title	Course Category	Course Type	Part Type	Lecture Hours	Tutorial Hours	Practical Hours	Course Credits	Max CA Marks	Max CE Marks	Total Marks
SEMESTER - I											
25LAT101	Tamil - I	ELECTIVE	THEORY	1	6	0	0	3	25	75	100
25LAH101	Hindi-I	ELECTIVE	THEORY	1	6	0	0	3	25	75	100
25LAF101	French-I: French Culture & Communication-I	ELECTIVE	THEORY	1	5	1	0	3	25	75	100
25EU101	Communicative English-I: Interpersonal Communication	CORE	THEORY	2	6	0	0	3	25	75	100
25ITU101	Programming and Problem Solving Using C	CORE	THEORY	3	4	0	0	3	25	75	100
25ITU102	Digital Fundamentals and Computer Architecture	CORE	THEORY	3	4	0	0	3	25	75	100
25ITU103	Statistics for Information Technology - I	CORE	THEORY	3	3	1	0	4	25	75	100
25ITU104	Practical - I (C Programming Lab) (Skill Based)	CORE	PRACTICAL	3	0	0	3	2	40	60	100
25ITU105	Practical - II (Multimedia Lab)(Skill Based)	CORE	PRACTICAL	3	0	0	3	2	40	60	100
SEMESTER - II											
25LAT202	Tamil-II	ELECTIVE	THEORY	1	6	0	0	3	25	75	100
25LAH202	Hindi-II	ELECTIVE	THEORY	1	6	0	0	3	25	75	100
25LAF202	French-II: French Culture & Communication-II	ELECTIVE	THEORY	1	5	1	0	3	25	75	100
25EU202	Communicative English-II: Academic Communication	CORE	THEORY	2	4	0	0	3	25	75	100
25ITU206	Programming in C++	CORE	THEORY	3	4	0	0	3	25	75	100
25ITU207	Data Structures	CORE	THEORY	3	4	0	0	3	25	75	100
25ITU208	Mathematical Foundations of Computing	CORE	THEORY	3	4	0	0	4	25	75	100
25ITU209	Practical - III (Programming in C++ Lab) (Skill Based)	CORE	PRACTICAL	3	0	0	3	2	40	60	100
25ITU210	Practical - IV (Data Structures Lab) (Skill Based)	CORE	PRACTICAL	3	0	0	3	2	40	60	100
25AECU201	Ability Enhancement Compulsory Course-I: Values, Ethics, Health & Wellness for Human Excellence	CORE	THEORY	4	2	0	0	2	100	0	100
25PSEU201	Professional Skill Enhancement-I	CORE	THEORY	4	2	0	0	2	100	0	100
SEMESTER - III											
25LAT303A	Tamil III	ELECTIVE	THEORY	1	4	0	0	3	25	75	100
25LAH303A	Hindi-III	ELECTIVE	THEORY	1	4	0	0	3	25	75	100
25LAF303A	French-III	ELECTIVE	THEORY	1	4	0	0	3	25	75	100
25EU303A	Communicative English-III: Developing English Language Skills through Literature	CORE	THEORY	2	4	0	0	3	25	75	100
25ITU311	Major Course – .Net Programming	CORE	THEORY	3	4	0	0	3	25	75	100
25ITU312	Major Course –Relational Database Management Systems	CORE	THEORY	3	4	0	0	3	25	75	100
25ITU313	Operating Systems	CORE	THEORY	3	4	0	0	3	25	75	100
25ITU314	Internet of Things	CORE	THEORY	3	4	0	0	4	100	0	100
25ITU315	Practical – V (.Net Programming Lab) [Skill Based]	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25ITU316	Practical – VI (RDBMS Lab) [Skill Based]	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25AECU302	Ability Enhancement Compulsory Course-II: Environmental Studies & Sustainable Development Goals	CORE	THEORY	4	2	0	0	2	100	0	100

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SEMESTER - IV											
25LAT404A	Tamil IV	ELECTIVE	THEORY	1	4	0	0	3	25	75	100
25LAH404A	Hindi-IV	ELECTIVE	THEORY	1	4	0	0	3	25	75	100
25LAF404A	French-IV	ELECTIVE	THEORY	1	4	0	0	3	25	75	100
25EU404	Communicative English-IV: English for Career	CORE	THEORY	2	4	0	0	3	25	75	100
25ITU417	Java Programming	CORE	THEORY	3	4	0	0	2	25	75	100
25ITU418	PHP Programming	CORE	THEORY	3	4	0	0	3	25	75	100
25ITU419	Statistics for Information Technology - II	CORE	THEORY	3	3	1	0	4	25	75	100
25ITU420	Practical – VII (Java Programming Lab) [Skill Based]	CORE	PRACTICAL	3	0	0	3	2	40	60	100
25ITU421	Practical – VIII (Programming in PHP Lab) [Skill Based]	CORE	PRACTICAL	3	0	0	3	2	40	60	100
25SECU401	Skill Enhancement Course-I: Information Security	CORE	THEORY	4	2	0	0	2	100	0	100
25PSEU402	Professional Skill Enhancement -II	CORE	THEORY	4	2	0	0	2	100	0	100
SEMESTER - V											
25CMU522A	Soft Computing	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25CMU522B	Client Server Technologies	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25ITU522	Mobile Computing	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25CTU524	Business Intelligence	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25CAU525	Natural Language Processing	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25DAU523	Predictive Analytics	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25AIU523	Generative Artificial Intelligence	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25NMB530/ 25NMU522	TCP / IP Protocol Suite	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25ITU523	Web Technology	CORE	THEORY	3	3	1	0	2	100	0	100
25ITU524	Big Data Analytics	CORE	THEORY	3	4	0	0	3	25	75	100
25ITU525	Computer Networks	CORE	THEORY	3	4	0	0	3	25	75	100
25ITU526	Software Engineering and Software Project Management	CORE	THEORY	3	4	0	0	3	25	75	100
25ITU527	Practical – IX (Web Technology Lab) [Skill Based]	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25ITU528	Practical – X (Big Data Analytics Lab) [Skill Based]	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25ITU529	Practical – XI (Computer Networks Lab) [Skill Based]	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25ITU530	Practical – XII (SOAD Lab) [Skill Based]	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25ITU531	Internship	CORE	PROJECT	3	0	0	0	2	40	60	100
25ITU532	Trans Disciplinary Course	ELECTIVE	THEORY	3	2	0	0	2	100	0	100
25SECU502	Skill Enhanceme Course-II: Indian Knowledge system (Computer Based Test)	CORE	THEORY	4	0	0	0	2	0	100	100
SEMESTER - VI											
25CMU632A	Bioinformatics	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25CMU632B	Mining of Massive Data	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25ITU633	Network and System Security	ELECTIVE	THEORY	3	4	0	0	4	25	75	100

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25CTU634	Block Chain Technology	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25CAU635	Digital Marketing	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25AIU633	Reinforcement Learning	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25DAU633	Multimedia Analytics	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25NMB639 / 25NMU632	Social Network Analysis	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25ITU634	Artificial Intelligence and Machine Learning	CORE	THEORY	3	5	0	0	3	25	75	100
25ITU635	Data Analysis and Visualization using Python	CORE	THEORY	3	4	0	0	3	25	75	100
25ITU636	Cloud Computing	CORE	THEORY	3	4	0	0	3	25	75	100
25ITU637	Practical – XIII (Artificial Intelligence and Machine Learning Lab)	CORE	THEORY	3	0	0	3	2	40	60	100
25ITU638	Practical – XIV (Python Lab) [Skill Based]	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25ITU639	Practical – XV (Linux Lab) [Skill Based]	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25ITU640	Project/Innovation/Startup	CORE	PROJECT	3	0	0	0	4	40	60	100
25PCSUITU	Professional Competency Skill - Research and Entrepreneurship Essentials	CORE	THEORY	4	2	0	0	2	100	0	100