B.SC COMPUTER 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
25CTU101	Programming and Problem Solving using C	CORE	THEORY	3	4	0	0	3	25	75	100
25CTU102	Digital Fundamentals and Computer Architecture	CORE	THEORY	3	4	0	0	3	25	75	100
25CTU103	Mathematics for Computing-I	CORE	THEORY	3	4	0	0	4	25	75	100
25CTU104	Practical -I (C Programming Lab)[Skill Based]	CORE	PRACTICAL	3	0	0	3	2	40	60	100
25CTU105	Practical -II (Data Analysis and Visualization 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
25CTU206	Object Oriented Programming using Python	CORE	THEORY	3	4	0	0	4	25	75	100
25CTU207	Data Structures	CORE	THEORY	3	4	0	0	3	25	75	100
25CTU208	Mathematics for Computing - II	CORE	THEORY	3	4	0	0	4	25	75	100
25CTU209	Practical - III (Object Oriented Programming using Python Lab)[Skill Based]	CORE	PRACTICAL	3	0	0	3	2	40	60	100
25CTU210	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
25CTU311	.Net Programming	CORE	THEORY	3	4	0	0	3	25	75	100
25CTU312	Database Management Systems	CORE	THEORY	3	4	0	0	2	25	75	100
25CTU313	Operating System Concepts	CORE	THEORY	3	3	0	0	2	100	0	100
25CTU314	Statistics and Operations Research(Skill Based)	CORE	PRACTICAL	3	3	1	0	4	25	75	100
25CTU315	Practical -V (.Net Programming Lab) [Skill Based]	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25CTU316	Practical -VI (DBMS Lab) [Skill Based]	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25CTU317	Practical –VII (LINUX Programming Lab) [Skill Based]	CORE	THEORY	3	0	0	2	1	40	60	100

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
25AECU302	Ability Enhancement Compulsory Course-II: Environmental Studies & Sustainable Development Goals	CORE	THEORY	4	2	0	0	2	100	0	100
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
25CTU418	Java Framework	CORE	THEORY	3	4	0	0	2	25	75	100
25CTU419	PHP Programming	CORE	THEORY	3	4	0	0	3	25	75	100
25CTU420	Internet of Things	CORE	THEORY	3	4	0	0	4	100	0	100
25CTU421	Practical -VIII (Java Framework lab) [Skill Based]	CORE	PRACTICAL	3	0	0	3	1	40	60	100
25CTU422	Practical -IX (PHP Programming Lab) [Skill Based]	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25CTU423	Practical -X (Multimedia Lab) [Skill Based]	CORE	PRACTICAL	3	0	0	2	1	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	Major Elective Course I: Soft Computing	CORE	THEORY	3	4	0	0	4	25	75	100
25CMU522B	Major Elective Course I: Client Server Technologies	CORE	THEORY	3	4	0	0	4	25	75	100
25ITU522	Major Elective Course I: Mobile computing	CORE	THEORY	3	4	0	0	4	25	75	100
5CTU524	Major Elective Course I: Business Intelligence	CORE	THEORY	3	4	0	0	4	25	75	100
25DAU523	Major Elective Course I: Predictive Analytics	CORE	THEORY	3	4	0	0	4	25	75	100
25CAU525	Major Elective Course I: Natural Language Processing	CORE	THEORY	3	4	0	0	4	25	75	100
25NMU522	Major Elective Course I: TCP / IP protocol suite	CORE	THEORY	3	4	0	0	4	25	75	100
25AIU523	Major Elective Course I: Generative Artificial Intelligence	CORE	THEORY	3	4	0	0	4	25	75	100
25CTU525	Web Technology	CORE	THEORY	3	3	1	0	2	25	75	100
25CTU526	Big Data Analytics	CORE	THEORY	3	4	0	0	3	25	75	100
25CTU527	Computer Networks	CORE	THEORY	3	4	0	0	3	25	75	100
25CTU528	Cyber Security and Digital Forensics	CORE	THEORY	3	3	1	0	3	100	0	100
25CTU529	Software Engineering and Software Project Management	CORE	THEORY	3	4	0	0	3	25	75	100
25CTU530	Practical -XI (Web Technology Lab) [Skill Based]	CORE	THEORY	3	0	0	2	1	40	60	100
25CTU531	Practical –XII (Big Data Analytics Lab) [Skill Based]	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25CTU532	Internship	CORE	INDUSTRIAL	3	0	0	0	2	40	60	100
25CTU533	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	Major Elective Course - II: Bioinformatics	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25CMU632B	Major Elective Course - II: Mining of Massive Data	ELECTIVE	THEORY	3	4	0	0	4	25	75	100

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
25ITU633	Major Elective Course - II: Network and System Security	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25CTU634	Major Elective Course - II: Block Chain Technology	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25DAU633	Major Elective Course - II: Multimedia Analytics	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25CAU635	Major Elective Course - II:Digital Marketing	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25NMU632	Major Elective Course - II: Social Network Analysis	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25AIU633	Major Elective Course - II: Reinforcement Learning	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25CTU635	Artificial Intelligence and Machine Learning	CORE	THEORY	3	5	0	0	3	25	75	100
25CTU636	R Programming	CORE	THEORY	3	4	0	0	2	25	75	100
25CTU637	Cloud Computing	CORE	THEORY	3	4	0	0	3	25	75	100
25CTU638	Data Mining	CORE	THEORY	3	4	0	0	2	25	75	100
25CTU639	Practical – XIII (Artificial Intelligence and Machine Learning Lab) [Skill Based]	CORE	PRACTICAL	3	0	0	3	2	40	60	100
25CTU640	Practical –XIV-(R Programming lab) [Skill Based]	CORE	PRACTICAL	3	0	0	3	1	40	60	100
25CTU641	Project /Innovation/ Startup	CORE	PROJECT	3	0	0	0	4	40	60	100
25PCSUCTU	Professional Competency Skill -Research and Entrepreneurship Essentials	CORE	THEORY	4	2	0	0	2	100	0	100