BSC COMPUTER SCIENCE 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
25CMU101	Programming and Problem Solving using C	CORE	THEORY	3	4	0	0	3	25	75	100
25CMU102	Digital Fundamentals and Computer Architecture	CORE	THEORY	3	4	0	0	3	25	75	100
25CMU103	Mathematics for Computing -I	CORE	THEORY	3	4	0	0	4	25	75	100
25CMU104	Practical -I (C Programming Lab) [Skill Based]	CORE	PRACTICAL	3	0	0	3	2	40	60	100
25CMU105	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
25CMU206	Object Oriented Programming Using Python	CORE	THEORY	3	4	0	0	4	25	75	100
25CMU207	Data Structures	CORE	THEORY	3	4	0	0	3	25	75	100
25CMU208	Mathematics for Computing -II	CORE	THEORY	3	4	0	0	4	25	75	100
25CMU209	Practical-III (Object Oriented Programming Using Python Lab)[Skill Based]	CORE	PRACTICAL	3	0	0	3	2	40	60	100
25CMU210	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
25CMU311	.Net Programming	CORE	THEORY	3	4	0	0	3	25	75	100
25CMU312	Relational Database Management Systems	CORE	THEORY	3	4	0	0	3	25	75	100
25CMU313	Operating Systems	CORE	THEORY	3	4	0	0	3	25	75	100
25CMU314	Statistics & Operations Research(ST)	CORE	THEORY	3	3	1	0	4	25	75	100
25CMU315	Practical -V(.Net Programming Lab)[Skill Based]	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25CMU316	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
SEMESTER - IV											
25LAT404A	Tamil - IV	ELECTIVE	THEORY	1	4	0	0	3	25	75	100

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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
25CMU417	Java Programming	CORE	THEORY	3	4	0	0	2	25	75	100
25CMU418	PHP Programming	CORE	THEORY	3	4	0	0	3	25	75	100
25CMU419	Microprocessor and Micro Controller	CORE	THEORY	3	3	0	2	4	100	0	100
25CMU420	Practical -VII (Java Programming Lab) [Skill Based]	CORE	PRACTICAL	3	0	0	3	2	40	60	100
25CMU421	Practical -VIII (PHP Programming 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	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25CMU522B	Major Elective Course-I-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
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
25DAU523	Major Elective Course I - Predictive Analytics	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25CMU523	Web Technology	CORE	THEORY	3	3	1	0	2	25	75	100
25CMU524	Big Data Analytics	CORE	THEORY	3	4	0	0	3	25	75	100
25CMU525	Computer Networks	CORE	THEORY	3	4	0	0	3	25	75	100
25CMU526	Software Engineering and Software Project Management	CORE	THEORY	3	4	0	0	3	25	75	100
25CMU527	Principles of Compiler Design	CORE	THEORY	3	4	0	0	2	100	0	100
25CMU528	Practical -IX (Web Technology Lab)[Skill Based]	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25CMU529	Practical – X – (Big Data Analytics Lab)[Skill Based]	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25CMU530	Internship	CORE	TRAINING	3	0	0	0	2	40	60	100
25CMU531	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
25ITU633	Network and System Security	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
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
25NMB639 / 25NMU632	Social Network Analysis	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

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25CMU633	Artificial Intelligence and Machine Learning	CORE	THEORY	3	5	0	0	3	25	75	100
25CMU634	Advanced Java Programming	CORE	THEORY	3	5	0	0	2	25	75	100
25CMU635	Cloud Computing	CORE	THEORY	3	4	0	0	3	25	75	100
25CMU636	Design and Analysis of Algorithms	CORE	THEORY	3	4	0	0	2	25	75	100
25CMU637	Practical – XI – (Artificial Intelligence and Machine Learning Lab) [Skill based]	CORE	PRACTICAL	3	0	0	3	2	40	60	100
25CMU638	Practical -XII (Advanced Java Programming Lab) [Skill Based]	CORE	PRACTICAL	3	0	0	3	1	40	60	100
25CMU639	Project/Innovation/Startup	CORE	PROJECT	3	0	0	0	4	40	60	100
25PCSUCMU	Professional Competency Skill -Research and Entrepreneurship Essentials	CORE	THEORY	4	2	0	0	2	100	0	100