

BACHELOR OF COMPUTER APPLICATIONS 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
25CAU101	Principles of Computer Programming	CORE	THEORY	3	4	0	0	3	25	75	100
25CAU102	Computer Organization and Architecture	CORE	THEORY	3	4	0	0	3	25	75	100
25CAU103	Statistics for Computer Applications	CORE	THEORY	3	3	1	0	4	25	75	100
25CAU104	Practical - I-Computer Programming (Skill Based)	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25CAU105	Practical - II-Data Processing (Skill Based)	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25CAU106	Practical -III-Statistics Practical (SPSS) (Skill Based)	CORE	PRACTICAL	3	0	0	2	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
25CAU207	Java Programming	CORE	THEORY	3	4	0	0	2	25	75	100
25CAU208	Data Structures & Algorithms	CORE	THEORY	3	4	0	0	2	25	75	100
25CAU209	Mathematical Foundations of Computing	CORE	THEORY	3	4	0	0	4	25	75	100
25CAU210	Practical - IV (Java Programming Lab) (Skill Based)	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25CAU211	Practical - V (Data Structures & Algorithms Lab) (Skill Based)	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25CAU212	Practical - VI - (UI/UX Design Lab) (Skill Based)	CORE	PRACTICAL	3	0	0	2	1	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
25EU303	Communicative English-III: Developing English Language Skills through Literature	CORE	THEORY	2	4	0	0	3	25	75	100
25CAU313	Operating Systems	CORE	THEORY	3	4	1	0	4	100	0	100
25CAU314	Relational Database Management Systems	CORE	THEORY	3	5	0	0	4	25	75	100
25CAU315	Principles of Accounting and Insurance	CORE	THEORY	3	4	0	0	4	25	75	100
25CAU316	Practical - VII - Operating Systems Lab (Skill Based)	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25CAU317	Practical - VIII - RDBMS Lab (Skill Based)	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25CAU318	Practical - IX- Web Designing Lab (Skill Based)	CORE	PRACTICAL	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	-	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
25CAU419	Python for Computer Applications	CORE	THEORY	3	4	0	0	3	25	75	100
25CAU420	Distributed Technologies	CORE	THEORY	3	4	0	0	3	25	75	100
25CAU421	Principles of Networking	CORE	THEORY	3	4	0	0	4	100	-	100
25CAU422	Practical - X - Python Programming Lab (Skill Based)	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25CAU423	Practical - XI - Distributed Technologies Lab (Skill Based)	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25CAU424	Practical - XII - Data Visualization 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											
25CMU522B	Major Elective Course - I-Client Server Technologies	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25ITU522	Major Elective Course - I-Mobile Computing	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25CTU524	Major Elective Course - I-Business Intelligence	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25CAU525	Major Elective Course - I-Natural Language Processing	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
25NNU522	Major Elective Course - I-TCP / IP Protocol Suite	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25AIU523	Major Elective Course - I-Generative Artificial Intelligence	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25CAU526	PHP and MySQL	CORE	THEORY	3	4	0	0	4	25	75	100
25CAU527	Machine Learning	CORE	THEORY	3	4	0	0	4	25	75	100
25CAU528	Cryptography and Network Security	CORE	THEORY	3	4	1	0	3	100	0	100
25CAU529	Internet of Things	CORE	THEORY	3	5	0	0	3	25	75	100
25CAU530	Practical - XIII-PHP and MySQL Lab (Skill Based)	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25CAU531	Practical - XIV- Machine Learning Lab (Skill Based)	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25CAU532	Practical - XV - Software Engineering & Testing Lab	CORE	PRACTICAL	3	0	0	2	1	40	60	100
25CAU533	Internship	CORE	TRAINING	3	0	0	0	2	40	60	100
25TDCCA	Trans Disciplinary Course	ELECTIVE	THEORY	3	2	0	0	2	100	-	100
25SECU502	Skill Enhanceme Course-II: Indian Knowledge system (Computer Based Test)	CORE	THEORY	4	0	0	0	2	0	100	100
SEMESTER - VI											
25CMU632	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
25CTU634	Major Elective Course - II-Block Chain Technology	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

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
25DAU633	Major Elective Course - II-Multimedia Analytics	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25NNU632	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
25CAU636	Big Data Analytics	CORE	THEORY	3	5	0	0	4	25	75	100
25CAU637	Soft Computing	CORE	THEORY	3	4	1	0	4	25	75	100
25CAU638	Cloud Applications and Development	CORE	THEORY	3	4	0	0	4	25	75	100
25CAU639	Practical - XVI - Big Data Analytics Lab(Skill Based)	CORE	PRACTICAL	3	0	0	3	1	40	60	100
25CAU640	Practical - XVII - Soft Computing Lab (Skill Based)	CORE	PRACTICAL	3	0	0	3	1	40	60	100
25CAU641	Project/Innovation/Startup	CORE	PROJECT	3	0	0	0	4	40	60	100
25PCSUCAU	Professional Competency Skills - Research and Entrepreneurship Essentials	CORE	THEORY	4	2	0	0	2	100	-	100