

B.SC COMPUTER NETWORKING & MOBILE APPLICATION 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 |
| 25NNU101 | Programming and Problem Solving using C | CORE | THEORY | 3 | 4 | 0 | 0 | 3 | 25 | 75 | 100 |
| 25NNU102 | Network Components | CORE | THEORY | 3 | 4 | 0 | 0 | 3 | 25 | 75 | 100 |
| 25NNU103 | Statistical Techniques | CORE | THEORY | 3 | 3 | 1 | 0 | 4 | 25 | 75 | 100 |
| 25NNU104 | Practical -I (C Programming Lab) [Skill Based] | CORE | PRACTICAL | 3 | 0 | 0 | 3 | 2 | 40 | 60 | 100 |
| 25NNU105 | Practical -II (Networks Components 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 | 6 | 0 | 0 | 3 | 25 | 75 | 100 |
| 25NNU206 | Object Oriented Programming using Python | CORE | THEORY | 2 | 4 | 0 | 0 | 4 | 25 | 75 | 100 |
| 25NNU207 | Data Structures | CORE | THEORY | 2 | 4 | 0 | 0 | 3 | 25 | 75 | 100 |
| 25NNU208 | Mathematics for Computing - I | CORE | THEORY | 2 | 4 | 0 | 0 | 4 | 25 | 75 | 100 |
| 25NNU209 | Practical -III (Object Oriented Programming using Python Lab) (Skill Based) | CORE | PRACTICAL | 2 | 0 | 0 | 3 | 2 | 40 | 60 | 100 |
| 25NNU210 | Practical -IV (Data Structures Lab) (Skill Based) | CORE | PRACTICAL | 2 | 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 | ELECTIVE | THEORY | 2 | 4 | 0 | 0 | 3 | 25 | 75 | 100 |
| 25NNU311 | .Net Programming | CORE | THEORY | 3 | 4 | 0 | 0 | 3 | 25 | 75 | 100 |
| 25NNU312 | Relational Database Management Systems | CORE | THEORY | 3 | 4 | 0 | 0 | 3 | 25 | 75 | 100 |
| 25NNU313 | Operating Systems | CORE | THEORY | 3 | 4 | 0 | 0 | 3 | 25 | 75 | 100 |
| 25NNU314 | Mathematics for Computing – II | CORE | THEORY | 3 | 4 | 0 | 0 | 4 | 25 | 75 | 100 |
| 25NNU315 | Practical -V (.Net Programming Lab) (Skill Based) | CORE | PRACTICAL | 3 | 0 | 0 | 2 | 1 | 40 | 60 | 100 |
| 25NNU316 | Practical -VI (RDBMS Lab) | 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 | ELECTIVE | THEORY | 2 | 4 | 0 | 0 | 3 | 25 | 75 | 100 |
| 25NNU417 | Java Programming | CORE | THEORY | 3 | 4 | 0 | 0 | 2 | 25 | 75 | 100 |
| 25NNU418 | PHP Programming | CORE | THEORY | 3 | 4 | 0 | 0 | 3 | 25 | 75 | 100 |
| 25NNU419 | Embedded Systems | CORE | THEORY | 3 | 5 | 0 | 0 | 4 | 100 | 0 | 100 |
| 25NNU420 | Practical -VII (Java Programming Lab)(Skill Based) | CORE | PRACTICAL | 3 | 0 | 0 | 3 | 2 | 40 | 60 | 100 |
| 25NNU421 | Practical–VIII (PHP Programming Lab) | 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 | | | | | | | | | | | |
| 25CTU524 | Business Intelligence | CORE | THEORY | 3 | 4 | 0 | 0 | 4 | 25 | 75 | 100 |
| 25CMU522A | Soft Computing | CORE | THEORY | 3 | 4 | 0 | 0 | 4 | 25 | 75 | 100 |
| 25CMU522B | Client Server Technologies | CORE | THEORY | 3 | 4 | 0 | 0 | 4 | 25 | 75 | 100 |
| 25ITU522 | Mobile Computing | CORE | THEORY | 3 | 4 | 0 | 0 | 4 | 25 | 75 | 100 |
| 25NNU522 | TCP/IP Protocol Suite | CORE | THEORY | 3 | 4 | 0 | 0 | 4 | 25 | 75 | 100 |
| 25DAU523 | Predictive Analytics | CORE | THEORY | 3 | 4 | 0 | 0 | 4 | 25 | 75 | 100 |
| 25CAU525 | Natural Language Processing | CORE | THEORY | 3 | 4 | 0 | 0 | 4 | 25 | 75 | 100 |
| 25AIU523 | Generative Artificial Intelligence | CORE | THEORY | 3 | 4 | 0 | 0 | 4 | 25 | 75 | 100 |
| 25NNU523 | Web Technology | CORE | THEORY | 3 | 3 | 1 | 0 | 2 | 25 | 75 | 100 |
| 25NNU524 | Mobile Application Development using Android | CORE | THEORY | 3 | 4 | 0 | 0 | 2 | 100 | 0 | 100 |
| 25NNU525 | Computer Networks | CORE | THEORY | 3 | 4 | 0 | 0 | 3 | 25 | 75 | 100 |
| 25NNU526 | Software Engineering and Software Project Management | CORE | THEORY | 3 | 4 | 0 | 0 | 3 | 25 | 75 | 100 |
| 25NNU527 | Practical -IX (Web Technology Lab)(Skill Based) | CORE | PRACTICAL | 3 | 0 | 0 | 2 | 1 | 40 | 60 | 100 |
| 25NNU528 | Practical- X (Mobile Application Development using Android Lab) | CORE | PRACTICAL | 3 | 0 | 0 | 3 | 1 | 40 | 60 | 100 |
| 25NNU529 | Practical- XI (Network Programming Lab) [Skill Based] | CORE | PRACTICAL | 3 | 0 | 0 | 3 | 2 | 40 | 60 | 100 |
| 25NNU530 | Internship | CORE | Training | 3 | 0 | 0 | 0 | 2 | 40 | 60 | 100 |
| 25TDC531 | 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 | | | | | | | | | | | |
| 25CTU634 | Block Chain Technology | CORE | THEORY | 3 | 4 | 0 | 0 | 4 | 25 | 75 | 100 |
| 25CMU632A | Bioinformatics | CORE | THEORY | 3 | 4 | 0 | 0 | 4 | 25 | 75 | 100 |
| 25CMU632B | Mining of Massive Data | CORE | THEORY | 3 | 4 | 0 | 0 | 4 | 25 | 75 | 100 |
| 25ITU633 | Network and System Security | CORE | THEORY | 3 | 4 | 0 | 0 | 4 | 25 | 75 | 100 |

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| 25NNU632 | Social Network Analysis | CORE | THEORY | 3 | 4 | 0 | 0 | 4 | 25 | 75 | 100 |
| 25DAU633 | Multimedia Analytics | CORE | THEORY | 3 | 4 | 0 | 0 | 4 | 25 | 75 | 100 |
| 25CAU635 | Digital Marketing | CORE | THEORY | 3 | 4 | 0 | 0 | 4 | 25 | 75 | 100 |
| 25AIU633 | Reinforcement Learning | CORE | THEORY | 3 | 4 | 0 | 0 | 4 | 25 | 75 | 100 |
| 25NNU633 | Artificial Intelligence and Machine Learning | CORE | THEORY | 3 | 5 | 0 | 0 | 3 | 25 | 75 | 100 |
| 25NNU634 | Flutter and Dart Programming | CORE | THEORY | 3 | 4 | 0 | 0 | 2 | 25 | 75 | 100 |
| 25NNU635 | Cloud Computing | CORE | THEORY | 3 | 4 | 0 | 0 | 3 | 25 | 75 | 100 |
| 25NNU636 | Privacy and Security | CORE | THEORY | 3 | 5 | 0 | 0 | 2 | 25 | 75 | 100 |
| 25NNU637 | Practical – XII (Artificial Intelligence and Machine Learning Lab) | CORE | THEORY | 3 | 0 | 0 | 3 | 2 | 40 | 60 | 100 |
| 25NNU638 | Practical –XIII (Flutter and Dart Programming Lab) | CORE | THEORY | 3 | 0 | 0 | 3 | 2 | 40 | 60 | 100 |
| 25NNU639 | Project /Innovation/ Startup | CORE | Training | 3 | 0 | 0 | 0 | 4 | 40 | 60 | 100 |
| 25PCSUNMU | Professional Competency Skill – Research and Entrepreneurship Essentials | CORE | THEORY | 4 | 2 | 0 | 0 | 2 | 100 | 0 | 100 |