# BCA PROGRAMME
## COURSE STRUCTURE & SYLLABUS UNDER CBCS PATTERN
### (w.e.f 2019-2020 ONWARDS)

| SEM | PART | TITILE | HRS | CRE | CIA | EE | TOT |
|-----|------|--------|-----|-----|-----|-----|-----|
| I | I | Language Course - I (Tamil) | 6 | 3 | 25 | 75 | 100 |
| | II | English Language Course - I (English) | 6 | 3 | 25 | 75 | 100 |
| | III | CC - I Programming in C | 5 | 5 | 25 | 75 | 100 |
| | | CC - II Programming in C Lab | 3 | 2 | 40 | 60 | 100 |
| | | AC - I Statistical Methods | 4 | 4 | 25 | 75 | 100 |
| | | AC-II Operations Research for computer applications | 4 | 4 | 25 | 75 | 100 |
| | IV | VE - Value Education | 2 | 2 | 25 | 75 | 100 |
| II | I | Language Course - II (Tamil ) | 6 | 3 | 25 | 75 | 100 |
| | II | English Language Course - II (English) | 6 | 3 | 25 | 75 | 100 |
| | III | CC - III Object Oriented Programming Using C++ and Data structures | 6 | 5 | 25 | 75 | 100 |
| | | CC – IV C++ and Data structures Lab | 3 | 2 | 40 | 60 | 100 |
| | | AC - III Algebra and Calculus | 5 | 4 | 25 | 75 | 100 |
| | IV | SKBC - I Data Analytics | 2 | 2 | 25 | 75 | 100 |
| | | EVS - Environmental Science | 2 | 2 | 25 | 75 | 100 |
| III | I | Language Course - III (Tamil) | 6 | 3 | 25 | 75 | 100 |
| | II | English Language Course - III (English) | 6 | 3 | 25 | 75 | 100 |
| | III | CC - V Problem solving using Python | 5 | 5 | 25 | 75 | 100 |
| | | CC- VI Python Lab | 3 | 2 | 40 | 60 | 100 |
| | | AC - IV Principles of Accountancy | 5 | 4 | 25 | 75 | 100 |
| | | AC - V Accounts Package Lab | 3 | - | - | - | - |
| | IV | SKBC - II Image Editing | 2 | 2 | 25 | 75 | 100 |
| | | GS - Gender Studies | 0 | 1 | 25 | 75 | 100 |

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|---|---|---|---|---|---|---|---|
| IV | I | Language Course - IV (Tamil) | 6 | 3 | 25 | 75 | 100 |
| | II | English Language Course – IV( English) | 6 | 3 | 25 | 75 | 100 |
| | III | AC - V Programming using 'R' Lab | 3 | 4 | 40 | 60 | 100 |
| | | CC - VII Database Systems | 5 | 5 | 25 | 75 | 100 |
| | | CC - VIII RDBMS Lab | 3 | 2 | 40 | 60 | 100 |
| | | AC - VI Digital Principles and Fundamentals | 5 | 4 | 25 | 75 | 100 |
| | IV | NMEC I | 2 | 2 | 25 | 75 | 100 |
| | | SSC - Soft Skills Course | 0 | 2 | 25 | 75 | 100 |
| V | III | CC - IX Programming in JAVA | 6 | 5 | 25 | 75 | 100 |
| | | CC - X Principles of Operating System | 5 | 5 | 25 | 75 | 100 |
| | | CC - XI Data and Communication Networks | 6 | 5 | 25 | 75 | 100 |
| | | CC - XII Java and System Administrations Lab | 6 | 4 | 40 | 60 | 100 |
| | | Elective Course – I | 5 | 5 | 25 | 75 | 100 |
| | IV | NMEC II | 2 | 2 | 25 | 75 | 100 |
| VI | III | CC- XIII Mobile Apps Development | 6 | 5 | 25 | 75 | 100 |
| | | CC - XIV Web Technology | 6 | 5 | 25 | 75 | 100 |
| | | CC - XV Mobile Apps and Web technology Lab | 6 | 4 | 40 | 60 | 100 |
| | | Elective Course – II | 5 | 5 | 25 | 75 | 100 |
| | | Elective Course - III | 5 | 5 | 25 | 75 | 100 |
| | IV | EA - Extension Activities | 0 | 1 | - | - | - |
| | III | Technical Skill Development | 2 | - | - | - | - |
| | | | 180 | 140 | 1105 | 2895 | 4000 |
| | III | Comprehensive Course | | 4* | | | 100 |