

| Courses List | | | | | | |
|--------------|-------------|------------------------------------|--|-------------|---------|----|
| Class | Semester | Course Code | Course Name | Course type | Credits | |
| | | | | | TH | PR |
| F.Y.B.Cs. | Semester I | CS-101-T | Problem Solving using 'C' Programming | Subject 1 | 2 | |
| | | CS-102-P | Lab Course based on CS-101-T | | | 2 |
| | | MTS-101-T | Mathematics | Subject 2 | 2 | |
| | | MTS-102-P | Lab Course based on MTS-101-T | | | 2 |
| | | ELS-101-T | Electronic Science | Subject 3 | 2 | 2 |
| | | ELS-102-P | Lab Course based on MTS-101-T | | | |
| | | IKS100T | Generic IKS | IKS(2) | 2 | |
| | | OE101CS / OE102CS / OE103CS | Office Automation I / Introduction to Computers and Basics of Internet / Introduction to Google Apps I | GE/OE (2) | 2 | |
| | | SEC101CS | Statistical Methods for Computer Science I | SEC (2) | 2 | |
| | | AEC101MAR/HIN | MIL-I (Hindi) / MIL-I (Marathi) | AEC(2) | 2 | |
| | | VEC101ENV | EVS-I | VEC(2) | 2 | |
| | Semester II | CS-151-T | Advanced C Programming | Subject 1 | 2 | |
| | | CS-152-P | Lab Course Based on CS-103-T | | | 2 |
| | | MTS-151-T | Mathematics | Subject 2 | 2 | |
| | | MTS-152-P | Lab Course Based on MTS-103-T | | | 2 |
| | | ELS-151-T | Electronic Science | Subject 3 | 2 | |
| | | ELS-152-P | Lab Course Based on ELS-103-T | | | 2 |
| | | CS 231 | Data Structures and Algorithms – I | CC-VIII | 2 | |
| | | CS 232 | Software Engineering | | 2 | |
| | | CS 233 | Practical course on CS 231 and CS 232 | | | 2 |
| | | | Mathematics - I | | 2 | |
| | | Mathematics - II | | 2 | | |
| | | Practical course in Mathematics | CC-IX | | 2 | |

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| | | Electronics - I | | 2 | |
| | | Electronics - II | | 2 | |
| | | Practical course in | | | |
| | | Electronics | CC-X | | 2 |
| | Semeste III | Language Communication – I | AECC-II | 2 | |
| | | Data Structures and | | | |
| | CS 241 | Algorithms – II | CC-XI | 2 | |
| | CS 242 | Computer Networks - I | | 2 | |
| | | Practical course on CS 241 | | | |
| | CS 243 | and CS 242 | | | 2 |
| | | Mathematics - I | | 2 | |
| | | Mathematics - II | | 2 | |
| | | Practical course in | | | |
| | | Mathematics | CC-XII | | 2 |
| | | Electronics - I | | 2 | |
| | | Electronics - II | | 2 | |
| | | Practical course in | | | |
| | | Electronics | CC-XIII | | 2 |
| | | Environment Science – II | AECC-I | 2 | |
| | | Language Communication –II | AECC-II | 2 | |
| S.Y.B.Cs. | Semester IV | CS-351 | Operating Systems – I | | 2 |
| | | CS-352 | Computer Networks – II | | 2 |
| | | CS-357 | Practical course based on CS 351 | DSEC - I | 2 |
| | | CS-353 | Web Technologies – I | | 2 |
| | | CS-354 | Foundations of Data Science | | 2 |
| | | CS-358 | Practical course based on CS 353 and | | |
| | | | CS 354 | DSEC - II | 2 |
| | | CS-355 | Object Oriented Programming using Java - I | | 2 |
| | | CS-356 | Theoretical Computer Science | | 2 |
| | | CS-359 | Practical Course based on CS 355 | DSEC - III | 2 |
| | | CS-3510 | Python Programming | SECC - I | 2 0 |
| | Semester V | CS-3511 | Blockchain Technology | SECC - II | 2 0 |
| | | CS-361 | Operating Systems – II | | 2 |

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|------------------------------|---------|---|------------|---|---|
| T.Y.B.Cs. Semester VI | CS-362 | Software Testing | | 2 | |
| | CS-367 | Practical course based on CS 361 | DSEC - I | | 2 |
| | CS-363 | Web Technologies – II | | 2 | |
| | CS-364 | Data Analytics | | 2 | |
| | CS-368 | Practical course based on CS 363 and CS 364 | DSEC - II | | 2 |
| | CS-365 | Object Oriented Programming using Java - II | | 2 | |
| | CS-366 | Compiler Construction | | 2 | |
| | CS-369 | Practical Course based on CS 365 | DSEC - III | | 2 |
| | CS-3610 | Software Testing Tools | SECC - III | 2 | 0 |
| | CS-3611 | Project | SECC - IV | | |

CC-Core
 AECC-
 Ability