## I Semester

| Course Code | Course Title |
|---|---|
| 24BCA2T411 | C Programming |
| 24BCA2L211 | C Programming Practical |
| 24BCA2T412 | Computing and Programming Fundamentals |
| 24BCA2L212 | Computing and Programming Fundamentals Practical |
| 24BCA2T413 | Computer Organization |
| 24ENG1T312 | Musings in English Literature |
| Anyone to be opted | |
| 24KAN1T313 | Saahithya Chinthana I |
| 24HIN1T313 | Hindi Nibandh Saahitya aur Karyalayi Hindi |
| 24AEN1T311 | Listening and Comprehension in English |
| 24ESC1T311 | Environmental Studies and Conservation |
| 24SEC4A111 | Skill Enhancement Course: Life Skills Education |

## II Semester

| Course Code | Course Title |
|---|---|
| 24BCA2T421 | Data Structures |
| 24BCA2L221 | Data Structures Practical |
| 24BCA2T422 | Database Management System |
| 24BCA2L222 | Database Management System Practical |
| 24BCA2T423 | Computational Mathematics |
| 24ENG1T322 | Glimpses: Readings from English Literature |
| Anyone to be opted | |
| 24KAN1T323 | Saahithya Chinthana II |
| 24HIN1T323 | Hindi Kahani Sahitya aur Prayojan Mulak Hindi |
| 24AEN1T321 | Conversation Practice in English |
| 24INC1T321 | India and Indian Constitution |
| 24SEC4A121 | Skill Enhancement Course: Yoga and Wellness |

## III Semester

| Course Code | Course Title |
|---|---|
| 24BCA2T431 | Java Programming |
| 24BCA2L231 | Java Programming Practical |

| | |
|---|---|
| 24BCA2T432 | Visual Programming |
| 24BCA2L232 | Visual Programming Practical |
| 24BCA2T433 | Probability and Statistics |
| 24ENG1T332 | Symphony of English Literature |
| Anyone to be opted | |
| 24KAN1T333 | Saahithya Chinthana III |
| 24HIN1T333 | Hindi Kavitha aur Computer Anuprayog |
| 24AEN1T331 | Essential English Reading |
| 24DGE6T231 | Digital Engineering |
| 24SEC4A232 | Skill Enhancement Course: Financial Education and Investment Awareness |

IV Semester

| Course Code | Course Title |
|---|---|
| 24BCA2T441 | Software Engineering |
| 24BCA2L241 | Software Engineering Project |
| 24BCA2T442 | Operating System and Linux |
| 24BCA2L242 | Operating System and Linux Practical |
| 24BCA2T443 | Computer Networks |
| 24ENG1T342 | Ruminations of English Literature |
| Anyone to be opted | |
| 24KAN1T343 | Saahithya Chinthana IV |
| 24HIN1T343 | Hindi Natak Sahitya aur Antarjaal par Patrikanye, Chitta Lekhan |
| 24AEN1T341 | Fundamentals of English Written Communication |
| 24BSD6T241 | Basics of Open Source Demystified |
| 24SEC4A241 | Bharatiya Knowledge System |

V Semester

| Course Code | Course Title |
|---|---|
| 24BCA2T451 | Data Warehousing and Data Mining |
| 24BCA2L251 | Data Warehousing and Data Mining Practical |
| 24BCA2T452 | Python Programming |
| 24BCA2L252 | Python Programming Practical |
| 24CPL2T451 | Research Methodology |
| 24BCAAT451 | Cloud Computing |
| Applicable for BCA with Analytics | |
| 24BCA2T454 | Big Data Analytics using Python |
| 24BCA2L254 | Big Data Analytics using Python Practical |
| 24CPL2T451 | Research Methodology |
| 24BCABT451 | Advanced Statistical Methods |
| 24DSI7I251 | Internship |

VI Semester

| Course Code | Course Title |
|---|---|
| 24BCA2T461 | Web Programming using PHP |
| 24BCA2L261 | Web Programming using PHP Practical |
| 24BCA2T462 | Artificial Intelligence and Machine Learning Essentials |
| 24BCA2L262 | Artificial Intelligence and Machine Learning Essentials Practical |
| 24BCA2T463 | Design and Analysis of Algorithm |
| 24BCAAT461 | Basic Concepts of Blockchain and its Applications |
| Applicable for BCA with Analytics | |
| 24BCA2T464 | Natural Language Processing |
| 24BCA2L264 | Natural Language Processing Practical |
| 24BCA2T465 | Modern Databases and its Application |
| 24BCA2L265 | Modern Databases and its Application Practical |
| 24BCA2T466 | Data Visualization |
| 24BCABT461 | Introduction to DevOps |
| 24DSP8P461 | Research Project |