

BCA STRUCTURE (1st Year)

| | Theory | | Period | | | Evaluation Scheme | | | Credit | Hours | |
|-------------------|--|--|----------|------------------|------------|-------------------|-------------------|-----------|--------|--------|-------|
| | Code | Name Of The Paper | Lectures | Tutorials | Practicals | MSE | ESE | SUB-TOTAL | | | |
| Semester I | BCA-101 | Communicative English | 3 | 1 | 0 | 40 | 60 | 100 | 4 | 3 | |
| | BCA-102 | Basic Mathematics | 4 | 1 | 0 | 40 | 60 | 100 | 5 | 5 | |
| | BCA-103 | Information Technology & Application | 4 | 0 | 0 | 40 | 60 | 100 | 4 | 4 | |
| | BCA-104 | Principles of Management & Organization | 4 | 1 | 0 | 40 | 60 | 100 | 5 | 5 | |
| | BCA-105 | Python Programming (Elective 1) | 4 | 0 | 0 | 40 | 60 | 100 | 4 | 4 | |
| | BCA-106 | Problem Solving & Programming Concept (Elective 2) | 4 | 0 | 0 | 40 | 60 | 100 | 4 | 4 | |
| | Either Elective 1 or Elective 2 can be opted | | | Sessional | | | | | | | |
| | | | | Period | | | Evaluation Scheme | | | Credit | Hours |
| | CODE | Name Of The Paper | Lectures | Tutorials | Practicals | CPA | ESE | Sub-Total | | | |
| | BCA-107 | Lab 103 | 0 | 0 | 3 | 20 | 30 | 50 | 2 | 3 | |
| BCA-108 | Lab 105 | 0 | 0 | 3 | 20 | 30 | 50 | 2 | 3 | | |
| BCA-109 | Lab 106 | 0 | 0 | 3 | 20 | 30 | 50 | 2 | 3 | | |
| | Total | | | | | | 750 | 32 | 34 | | |

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|--------------------|-------------------|--|-----------|------------|-------------------|-------------------|-----------|-----------|--------|-------|
| Code | Name Of The Paper | Lectures | Tutorials | Practicals | MSE | ESE | SUB-TOTAL | | | |
| Semester II | BCA-201 | Business English | 3 | 1 | 0 | 40 | 60 | 100 | 4 | 3 |
| | BCA-202 | Mathematics [Numerical Techniques] | 4 | 1 | 0 | 40 | 60 | 100 | 5 | 5 |
| | BCA-203 | System Analysis & Design | 4 | 1 | 0 | 40 | 60 | 100 | 5 | 5 |
| | BCA-204 | Problem Solving Technique & Programming in C | 4 | 0 | 0 | 40 | 60 | 100 | 4 | 4 |
| | BCA-205 | Operating System and Unix | 4 | 0 | 0 | 40 | 60 | 100 | 4 | 4 |
| | Sessional | | | | | | | | | |
| | | | Period | | | Evaluation Scheme | | | Credit | Hours |
| | CODE | Name Of The Paper | Lectures | Tutorials | Practicals | CPA | ESE | Sub-Total | | |
| | BCA-206 | Lab 204 | 0 | 0 | 3 | 20 | 30 | 50 | 2 | 3 |
| | BCA-207 | Lab 205 | 0 | 0 | 3 | 20 | 30 | 50 | 2 | 3 |
| | Total | | | | | | 600 | 26 | 27 | |

BCA STRUCTURE (2nd Year)

| Theory | | Period | | | Evaluation Scheme | | | Credit | Hours | |
|---------------------|-------------------|---|-----------|------------|-------------------|-------------------|-----------|-----------|--------|-------|
| Code | Name Of The Paper | Lectures | Tutorials | Practicals | MSE | ESE | SUB-TOTAL | | | |
| Semester III | BCA-301 | Objected Oriented Programming using C++ | 4 | 0 | 0 | 40 | 60 | 100 | 4 | 4 |
| | BCA-302 | Internet & Web Designing | 4 | 1 | 0 | 40 | 60 | 100 | 5 | 5 |
| | BCA-303 | Java Programming | 4 | 0 | 0 | 40 | 60 | 100 | 4 | 4 |
| | BCA-304 | Software Engineering | 4 | 0 | 0 | 40 | 60 | 100 | 5 | 5 |
| | Sessional | | | | | | | | | |
| | | | Period | | | Evaluation Scheme | | | Credit | Hours |
| | CODE | Name Of The Paper | Lectures | Tutorials | Practicals | CPA | ESE | Sub-Total | | |
| | BCA-305 | Lab 301 | 0 | 0 | 4 | 40 | 60 | 100 | 3 | 4 |
| | BCA-306 | Lab 303 | 0 | 0 | 4 | 40 | 60 | 100 | 3 | 4 |
| | Total | | | | | | | 600 | 24 | 26 |

BCA STRUCTURE (2nd Year)

| Theory | | Period | | | Evaluation Scheme | | | Credit | Hours | |
|--------------------|-------------------|--|-----------|------------|-------------------|-------------------|-----------|-----------|--------|-------|
| Code | Name Of The Paper | Lectures | Tutorials | Practicals | MSE | ESE | SUB-TOTAL | | | |
| Semester IV | BCA-401 | Relational Database Management System | 5 | 0 | 0 | 40 | 60 | 100 | 5 | 5 |
| | BCA-402 | Digital Electronics, Computer System Architecture and Organisation | 4 | 1 | 0 | 40 | 60 | 100 | 5 | 5 |
| | BCA-403 | File & Data Structure | 4 | 0 | 0 | 40 | 60 | 100 | 4 | 4 |
| | BCA-404 | Introduction to Statistics | 3 | 1 | 0 | 40 | 60 | 100 | 4 | 4 |
| | Sessional | | | | | | | | | |
| | | | Period | | | Evaluation Scheme | | | Credit | Hours |
| | CODE | Name Of The Paper | Lectures | Tutorials | Practicals | CPA | ESE | Sub-Total | | |
| | BCA 405 | Lab 401 | 0 | 0 | 4 | 40 | 60 | 100 | 3 | 4 |
| | BCA 406 | Lab 402 | 0 | 0 | 4 | 40 | 60 | 100 | 3 | 4 |
| | | Total | | | | | | 600 | 24 | 26 |

BCA STRUCTURE (3rd Year)

| | Theory | | Period | | | Evaluation Scheme | | | Credit | Hours | |
|-------------------|------------------|--|----------|-----------|------------|-------------------|-------------------|-----------|--------|--------|-------|
| | Code | Name Of The Paper | Lectures | Tutorials | Practicals | MSE | ESE | SUB-TOTAL | | | |
| Semester V | BCA-501 | Windows Programming using VB.net | 4 | 0 | 0 | 40 | 60 | 100 | 4 | 4 | |
| | BCA-502 | Graphics & Multimedia | 4 | 0 | 0 | 40 | 60 | 100 | 4 | 4 | |
| | BCA-503 | Computer Network, Data Communication, and Client Server Technology | 4 | 0 | 0 | 40 | 60 | 100 | 5 | 5 | |
| | BCA-504 | Business Accounting & ERP | 3 | 1 | 0 | 40 | 60 | 100 | 4 | 4 | |
| | Sessional | | | | | | | | | | |
| | | | | Period | | | Evaluation Scheme | | | Credit | Hours |
| | CODE | Name Of The Paper | Lectures | Tutorials | Practicals | CPA | ESE | Sub-Total | | | |
| | BCA 505 | Lab 501 | 0 | 0 | 4 | 40 | 60 | 100 | 3 | 4 | |
| | BCA 506 | Lab 502 | 0 | 0 | 4 | 40 | 60 | 100 | 3 | 4 | |
| | | Total | | | | | | 600 | 23 | 25 | |

BCA STRUCTURE (3rd Year)

| Theory | | Period | | | Evaluation Scheme | | | Credit | Hours | |
|--------------------|---|--|-----------|------------|-------------------|-------------------|-----------|-----------|--------|-------|
| Code | Name Of The Paper | Lectures | Tutorials | Practicals | MSE | ESE | SUB-TOTAL | | | |
| Semester VI | BCA-601A | Web Technology (Elective 1) | 5 | 0 | 0 | 40 | 60 | 100 | 5 | 5 |
| | BCA-601 B | Concept of Data Mining & Data Warehousing (Elective 2) | 5 | 0 | 0 | 40 | 60 | 100 | 5 | 5 |
| | BCA-602 | E-Commerce | 4 | 1 | 0 | 40 | 60 | 100 | 5 | 5 |
| | BCA-603 | Project & Viva | N/A | N/A | N/A | 200 | 0 | 200 | 12 | N/A |
| | Either Elective 1 or Elective 2 can be opted | | | | | Sessional | | | | |
| | | | Period | | | Evaluation Scheme | | | Credit | Hours |
| | CODE | Name Of The Paper | Lectures | Tutorials | Practicals | CPA | ESE | Sub-Total | | |
| | BCA 604 | Lab601 A | 0 | 0 | 3 | 40 | 60 | 100 | 2 | 3 |
| | BCA 605 | Lab 601 B | 0 | 0 | 3 | 40 | 60 | 100 | 2 | 3 |
| | | Total | | | | | | 700 | 31 | 21 |