

School Name: School of Computing Science and Engineering

Program Name: BCA

Scheme: 2015-2018

| Semester I | | | | | | | | | | |
|--------------|-------------|---|-----------|----------|----------|-----------|--------------------|-----|-----|-------|
| Sl. No | Course Code | Name of the Course | | | | | Assessment Pattern | | | |
| | | | L | T | P | C | IA | MTE | ETE | Total |
| 1 | JAP101 | Japanese Language-I | 2 | 0 | 0 | 2 | 20 | 30 | 50 | 100 |
| 2 | LLL112 | Basic English | 0 | 0 | 4 | 2 | 50 | - | 50 | 100 |
| 3 | BCA110 | Discrete Mathematics | 3 | 0 | 0 | 4 | 20 | 30 | 50 | 100 |
| 4 | BCA111 | Digital Computer Fundamentals | 3 | 0 | 0 | 3 | 20 | 30 | 50 | 100 |
| 5 | BCA115 | Introduction to Information Technology | 3 | 0 | 0 | 3 | 20 | 30 | 50 | 100 |
| 6 | BCA116 | Programming in C | 3 | 0 | 0 | 3 | 20 | 30 | 50 | 100 |
| 7 | BCA147 | Programming in C Lab | 0 | 0 | 2 | 1 | 50 | | 50 | 100 |
| 8 | BCA148 | Information Technology Lab | 0 | 0 | 2 | 1 | 50 | | 50 | 100 |
| | | Total | 14 | 0 | 8 | 19 | | | | |
| Semester II | | | | | | | | | | |
| Sl. No | Course Code | Name of the Course | | | | | Assessment Pattern | | | |
| | | | L | T | P | C | IA | MTE | ETE | Total |
| 1 | EVS101 | Environment Studies | 3 | 0 | 0 | 3 | 20 | 30 | 50 | 100 |
| 2 | LLL221 | Professional Communication | 0 | 0 | 2 | 1 | 50 | - | 50 | 100 |
| 3 | BCA123 | Data Structures | 3 | 0 | 0 | 3 | 20 | 30 | 50 | 100 |
| 4 | BCA124 | Web Designing | 3 | 0 | 0 | 3 | 20 | 30 | 50 | 100 |
| 5 | BCA109 | Principle Of Management | 3 | 0 | 0 | 3 | 20 | 30 | 50 | 100 |
| 6 | BCA121 | Object Oriented Programming with C++ | 3 | 0 | 0 | 3 | 20 | 30 | 50 | 100 |
| 7 | BCA141 | Data Structures Lab | 0 | 0 | 2 | 1 | 50 | | 50 | 100 |
| 8 | BCA144 | Web Designing Lab | 0 | 0 | 2 | 1 | 50 | | 50 | 100 |
| 9 | BCA142 | Object Oriented Programming with C++ Lab | 0 | 0 | 2 | 1 | 50 | | 50 | 100 |
| | | Total | 15 | 0 | 8 | 19 | | | | |
| Semester III | | | | | | | | | | |
| Sl No | Course Code | Name of the Course | | | | | Assessment Pattern | | | |
| | | | L | T | P | C | IA | MTE | ETE | Total |
| 1 | BCA216 | Computer Architecture | 3 | 0 | 0 | 3 | 20 | 30 | 50 | 100 |
| 2 | BCA212 | Database Management System | 3 | 0 | 0 | 3 | 20 | 30 | 50 | 100 |
| 3 | BCA213 | JAVA Programming | 3 | 0 | 0 | 3 | 20 | 30 | 50 | 100 |
| 4 | BCA211 | Introduction to Algorithm Analysis and Design | 3 | 0 | 0 | 3 | 20 | 30 | 50 | 100 |
| 5 | LLL223 | Logical Skill Building | 3 | 0 | 0 | 2 | 50 | | 50 | 100 |
| 6 | BCA215 | Computer Based Numerical Techniques | 3 | 1 | 0 | 4 | 20 | 30 | 50 | 100 |
| 7 | BCA214 | Principles of Accounting | 3 | 0 | 0 | 3 | 20 | 30 | 50 | 100 |
| 8 | BCA241 | Introduction to Algorithm Analysis and Design Lab | 0 | 0 | 2 | 1 | 50 | | 50 | 100 |
| 9 | BCA243 | Java Programming Lab | 0 | 0 | 2 | 1 | 50 | | 50 | 100 |

| | | | | | | | | | | |
|----|--------|-----------------------------------|-----------|----------|----------|-----------|----|--|----|-----|
| 10 | BCA242 | Database Management System LAB | 0 | 0 | 2 | 1 | 50 | | 50 | 100 |
| | | Total | 18 | 1 | 6 | 24 | | | | |

| Semester IV | | | | | | | | | | |
|----------------|----------------|--------------------------|-----------|----------|-----------|-----------|--------------------|---------|---------|-----------|
| Sl No | Course Code | Name of the Course | | | | | Assessment Pattern | | | |
| | | | L | T | P | C | I A | MT E | ET E | Tota l |
| 1 | BCA221 | Operating System | 3 | 0 | 0 | 3 | 20 | 30 | 50 | 100 |
| 2 | BCA224 | Software Engineering | 3 | 0 | 0 | 3 | 20 | 30 | 50 | 100 |
| 3 | BCA222 | .Net technology | 3 | 0 | 0 | 3 | 20 | 30 | 50 | 100 |
| 4 | BCA223 | Computer Networking | 3 | 0 | 0 | 3 | 20 | 30 | 50 | 100 |
| 5 | BCA225 | Graph Theory | 3 | 0 | 0 | 3 | 20 | 30 | 50 | 100 |
| 6 | | PE-1 | 3 | 0 | 0 | 3 | 20 | 30 | 50 | 100 |
| 7 | BCA251 | Operating System Lab | 0 | 0 | 2 | 1 | 50 | | 50 | 100 |
| 8 | BCA252 | .Net technology Lab | 0 | 0 | 2 | 1 | 50 | | 50 | 100 |
| 9 | BCA253 | Computer Networking Lab | 0 | 0 | 2 | 1 | 50 | | 50 | 100 |
| 10 | | PE-1 Lab | 0 | 0 | 2 | 1 | 50 | | 50 | 100 |
| 11 | BCA254 | Software Engineering Lab | 0 | 0 | 2 | 1 | 50 | | 50 | 100 |
| 12 | LLL322 | Campus-to-Corporate | 0 | 0 | 4 | 2 | 50 | | 50 | 100 |
| | | Total | 18 | 0 | 14 | 25 | | | | |

| Semester V | | | | | | | | | | |
|---------------|----------------|---------------------------------------|-----------|----------|-----------|-----------|--------------------|----|---------|-----------|
| Sl No | Course Code | Name of the Course | | | | | Assessment Pattern | | | |
| | | | L | T | P | C | IA | | ET E | Tota l |
| 1 | BCA311 | Management Information System | 3 | 0 | 0 | 3 | 20 | 30 | 50 | 100 |
| 2 | BCA312 | Computer Graphics | 3 | 0 | 0 | 3 | 20 | 30 | 50 | 100 |
| 3 | BCA314 | Mobile Application Development | 3 | 0 | 0 | 3 | 20 | 30 | 50 | 100 |
| 4 | BCA316 | Software Project Management | 3 | 0 | 0 | 3 | 20 | 30 | 50 | 100 |
| 5 | | Program Elective-II | 3 | 0 | 0 | 3 | 20 | 30 | 50 | 100 |
| 6 | BCA342 | Computer Graphics Lab | 0 | 0 | 2 | 1 | 70 | | 30 | 100 |
| 7 | | Elective II lab | 0 | 0 | 2 | 1 | 70 | | 30 | 100 |
| 8 | BCA341 | Project-I | 0 | 0 | 10 | 5 | 50 | | 50 | 100 |
| 9 | BCA344 | Mobile Application Development Lab | 0 | 0 | 2 | 1 | 50 | | 50 | 100 |
| | | Total | 15 | 0 | 16 | 23 | | | | |

| Semester VI | | | | | | | | | | |
|----------------|----------------|--------------------|----------|----------|-----------|-----------|--------------------|---------|---------|-----------|
| Sl No | Course Code | Name of the Course | | | | | Assessment Pattern | | | |
| | | | L | T | P | C | I A | MT E | ET E | Tota l |
| 1 | BCA360 | Project Work | 0 | 3 | 24 | 15 | 50 | | 50 | 100 |
| | | Total | 0 | 3 | 24 | 15 | | | | |