



PROGRAMME SPECIFIC OBJECTIVE:

The objective of the B.Sc. (CA & IT) programme is to prepare students for a career in software design, development and testing as well as IT support by training them in the core and emerging areas of computer applications.

B.Sc. (CA & IT) (Bachelor of Science in Computer Applications & Information Technology)
Semester-III

| Course Type | Subject Code | Subject Title | Theory/ Practical | Credits | Weekly Contact Hours | Exam Duration | Marking Scheme | | |
|--|--------------|---|----------------------|---------|----------------------------|------------------|----------------|----------|-------|
| | | | | | | | Internal | External | Total |
| Discipline Specific Course Core(Major) | US03MACIT01 | Data Structures and Algorithms | T | 4 | 4 | 2:30 | 50 | 50 | 100 |
| | US03MACIT02 | Database Management Systems - I | T | 4 | 4 | 2:30 | 50 | 50 | 100 |
| | US03MACIT03 | Practical based on US03MACIT01 and US03MACIT02 | P | 4 | 8 | 3:00 | 50 | 50 | 100 |
| Interdisciplinary | US03IDCIT04 | Client Side Scripting | T | 2 | 2 | 1:30 | 25 | 25 | 50 |
| | US03IDCIT05 | Client Side Scripting Lab | P | 2 | 4 | 1:30 | 25 | 25 | 50 |
| Ability Enhancement Course | US03AECIT06 | Discrete Mathematics | T | 2 | 2 | 1:30 | 25 | 25 | 50 |
| Skill Enhancement Course | US03SECIT07 | Fundamentals of E - Commerce | T | 2 | 2 | 1:30 | 25 | 25 | 50 |
| IKS | US03IKCIT08 | IKS | T | 2 | 2 | 1:30 | 25 | 25 | 50 |





PROGRAMME SPECIFIC OBJECTIVE:

The objective of the B.Sc. (CA & IT) programme is to prepare students for a career in software design, development and testing as well as IT support by training them in the core and emerging areas of computer applications.

B.Sc. (CA & IT) (Bachelor of Science in Computer Applications & Information Technology)
Semester-IV

| Course Type | Subject Code | Subject Title | Theory/ Practical | Credits | Weekly Contact Hours | Exam Duration | Marking Scheme | | |
|---|--------------|---|----------------------|---------|----------------------------|------------------|----------------|----------|-------|
| | | | | | | | Internal | External | Total |
| Discipline Specific Course Core(Major) | US04MACIT01 | Object Oriented Programming - I | T | 4 | 4 | 2:30 | 50 | 50 | 100 |
| | US04MACIT02 | Fundamentals of Operating Systems | T | 4 | 4 | 2:30 | 50 | 50 | 100 |
| | US04MACIT03 | Practical based on US04MACIT01 and US04MACIT02 | P | 4 | 8 | 3:00 | 50 | 50 | 100 |
| Minor | US04MICIT04 | Database Management Systems - II | T | 2 | 2 | 1:30 | 25 | 25 | 50 |
| | US04MICIT05 | Database Management Systems – II LAB | P | 2 | 4 | 1:30 | 25 | 25 | 50 |
| Ability Enhancement Course | US04AECIT06 | Software Project Management | T | 2 | 2 | 1:30 | 25 | 25 | 50 |
| Skill Enhancement Course /Dissertation | US04SECIT07 | System Analysis and Design | T | 2 | 2 | 1:30 | 25 | 25 | 50 |
| Value-Added Course | US04VACIT08 | BUCKET | T | 2 | 2 | 1:30 | 25 | 25 | 50 |

