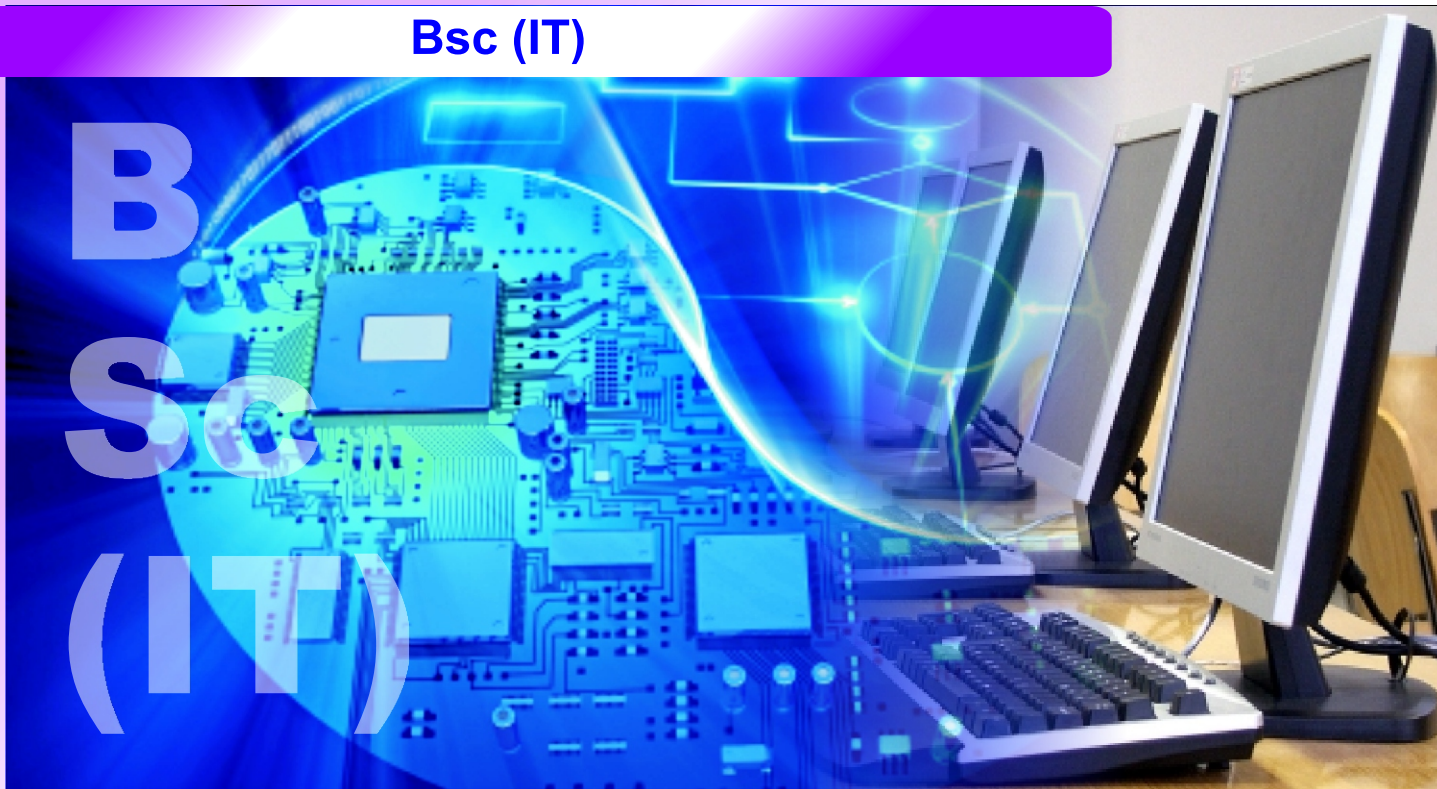## Bsc (IT)



# BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY (BSc IT)

**Admission Qualification:** Admission is open to those candidates who have successfully completed their 10+2 in any discipline or its equivalent or a 3 year Polytechnic Diploma from State Technical Board after 10th Standard.

**Program Duration:**
Minimum Duration – 3 years
Maximum Duration – 6 years

**Lateral Entry to Second Semester of BSc(IT):**
Admission is open to those candidates who have successfully completed their 10+2 in any discipline or its equivalent or a 3 year Polytechnic Diploma from State Technical Board after 10th Standard.

**AND**

The candidate has successfully completed 6 months IT/CS Course from a recognised institute or has a one year of IT experience.

**Lateral Entry to Third Semester of BSc(IT ):**
The candidate who have successfully completed a 3 year Polytechnic Diploma in CS/IT from State Technical Board after 10th Standard.

**OR**

Admission is open to those candidates who have successfully completed their 10+2 in any discipline and the candidate has successfully completed two semesters of DCA from TCIL –IT/DIT/DCA from Cal-C after 10+2 or has done one year certificate / diploma in IT/CS from a reputed / recognised institute or has two years of IT/CS experience.

**Lateral Exit Scheme:** After successful completion of first semester of BScIT, the candidate shall be eligible to obtain a **Certificate in Information Technology**.

After successful completion of first two semesters of BScIT, the candidate shall be eligible to obtain a **Diploma in Information Technology**.

**Note :** The student who will opt for lateral exit will not be able to continue this programme.

# PROGRAM STRUCTURE

| Subject Code | Subject | Credits | Subject Code | Subject | Credits |
|---|---|---|---|---|---|
| | **1st Semester** | | | **2nd Semester** | |
| BS11 | Fundamentals of Computers | 4 | BS21 | Introduction to Programming - C Language | 4 |
| BS12 | Operating Systems | 4 | BS22 | Computer Architecture | 2 |
| BS13 | Introduction to Digital Electronics | 2 | BS23 | RDBMS | 4 |
| BS14 | Database Management System | 2 | BS24 | Digital Computer Fundamentals | 2 |
| BS15 | Basics of Internet and HTML | 2 | BS25 | Communicative English | 2 |
| BS16 | Constitution of India and Ethics | 2 | BS26 | Environment Studies | 2 |
| BS17 | English-I | 2 | BS-L2 | C Programming Lab and RDBMS Lab | 4 |
| BS-L1 | Database Management System (Lab) and Basics of Internet and HTML(Lab) | 4 | | | |
| | **Total Credits** | 22 | | **Total Credits** | 20 |
| | **3rd Semester** | | | **4th Semester** | |
| BS31 | Computer Graphics | 3 | BS41 | Visual Programming | 4 |
| BS32 | Web Programming & Java Script | 2 | BS42 | Computer Networks | 2 |
| BS33 | Data Communication | 2 | BS43 | Data Structures Using C++ | 2 |
| BS34 | Object Oriented Programming with C++ | 3 | BS44 | Java Programming | 4 |
| BS35 | Mathematics -I | 2 | BS45 | Mathematics -II | 2 |
| BS-L3 | Web Programming & Java Script Lab and Object Oriented Programming with C++ Lab | 2 | BS-L4 | Data Structures Using C++ Lab and Java Programming | 2 |
| | **Total Credits** | 14 | | **Total Credits** | 16 |
| | **5th Semester** | | | **6th Semester** | |
| BS51 | Software Engineering | 4 | BS61 | Unix Systems Programming | 4 |
| BS52 | Design Analysis and Algorithm | 2 | BS62 | ASP.NET Programming using C# | 2 |
| BS53 | Advance Java Programming | 4 | BS63 | VB.NET and XML | 2 |
| BS54 | Network Programming | 2 | BS64 | Software Quality and Testing | 4 |
| BS55 | Mathematics-III | 2 | BS65 | Project | 6 |
| BS-L5 | Algorithms Lab and Advanced Java Programming Lab | 2 | BS-L6 | Unix Systems Programming Lab and ASP.NET Programming using C# Lab and VB.NET and XML Lab | 2 |
| | **Total Credits** | 16 | | **Total Credits** | 20 |

## Semester wise Fee Structure

| | | |
|---|---|---|
| **Program / Tuition Fees** | : | **Rs. 8000/-** |
| **Examination Fees** | : | **Rs. 1200/-** |
| **Registration Fees (At the time of admission only )** | : | **Rs. 500/-** |
| **Total Fees: First Time Registration (Without Late/Penal Fees)** | : | **Rs. 9700/-** |
| **Subsequent Registrations (Without Late/Penal Fees)** | : | **Rs. 9200/-** |

Knowledge Sans Barriers

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