Department of B.Sc. (CA)

Program Objectives

To produce trained software professionals with hands-on experience on state-of-the art technologies who will be able to handle software challenges in industry as well as academia.

To produce knowledgeable and skilled human resources that is employable in IT and ITES.

To impart knowledge required for planning, designing and building Complex Application Software Systems as well as to provide support for automated systems or applications.

To produce entrepreneurs.

Program Dynamic Features

Work-Integrated Learning (WIL)
- Includes Projects, Field Project, Internships ,OJT, Industrial Training as part of the curriculum
- Helps students apply classroom knowledge in real-world settings.

Practical Components
- Lab sessions: Hands-on practice in programming and system design.
- Capstone Project work: Final-year Individual or team-based software development projects solving a real-world problem.

Tools and Technology Taught
- Version control (e.g., Git)
- IDEs (e.g., Visual Studio Code, Eclipse)
- Database systems (SQL, NoSQL)
- AI & ML , AU-VR, Generative AI

Career Preparation
- Internships or co-op programs
- Hackathons and coding competitions
- Resume building and portfolio development
- Tech-focused career fairs

Future Prospects

Masters Degree

- **MSc in Computer Applications or IT**
- **MCA (Master of Computer Applications)** — a common and valued follow-up
- **MBA in IT Management** — for students interested in tech-business roles
- **Certifications** — AWS, Google Cloud, Cybersecurity, Data Science, etc.

Competitive Exams:

- **Government jobs (banking, SSC, railways)**

Market Value

In India:

- **Growing demand due to Digital India, AI adoption, e-Governance**
- **Smaller companies and startups prefer BSc CA grads for entry-level roles**
- **Salaries may start modest (₹2.5 – ₹4.5 LPA), but can grow with skill/certifications**

Globally:

- **Value depends on additional qualifications (MCA, certifications)**
- **Opportunities in software development, technical support, QA testing, and web development**

Placement Opportunities

Common Recruiters:

- **IT Companies**: TCS, Infosys, Wipro, HCL, Cognizant, Capgemini
- **Startups**: Looking for web developers, support engineers, QA testers
- **BPO/KPO**: For tech support and IT operations
- **E-commerce**: Backend operations, web support, inventory tech roles

How to Improve Placement Chances:

- **Internships during college**
- **Build a portfolio (GitHub projects, personal website)**
- **Take up certifications (Coursera, Udemy, Google, Microsoft)**

Job Roles After B.Sc.(C.A.):

- **Software Developer (Junior)**
- **Web Developer**
- **Systems Analyst**
- **Database Administrator**
- **IT Support Engineer**
- **QA Tester**
- **Technical Support Associate**