GIAN JYOTI
Institute of Management and Technology

Approved by AICTE and Affiliated to IKG Punjab Technical University

NAAC ACCREDITED

25+ Years of excellence in education

BCA@ GJIMT

- **EXTENSIVE ALUMNI BASE**
- **PLACEMENT OPPORTUNITIES IN TOP IT FIRMS**
- **LIVE INDUSTRY PROJECTS**
- **LIVE SESSIONS BY IT PROFESSIONALS**

BACHELOR OF COMPUTER APPLICATION
— P R O G R A M M E —

AICTE | KAPURTHALA | IQA Institute of Analytics — The Global Body for Analytics | CISCO | Microsoft | NCSS | ISACA | GSDC Global Skill Development Council

BCA PROGRAMME

The 3-year degree programme provides fundamental education in computer applications and creates high caliber solution architects and innovators for software development. The main objectives of BCA Programme at GJIMT is to make students industry ready for becoming system analysts, system engineers, software engineers and programmers. The program focuses heavily on AI-powered projects and security-focused learning, allowing students to gain hands-on experience with real-world artificial intelligence solutions & modern cybersecurity techniques.

Our advanced AI Innovation Lab & Cybersecurity facilities offer a cutting-edge ecosystem where learners can develop high-impact skills in next-generation technologies.

STIPEND BASED SUMMER INTERNSHIPS

US SUMMER WORK & TRAVEL OPPORTUNITIES

GJIMT MENTORSHIP PROGRAM

GJIMT EMPLOYMENT READINESS PROGRAM

EARN & LEARN PROGRAMS

PART TIME JOBS

EXPERT TALK

SKILL ENHANCEMENT COURSES

CULTURAL ACTIVITIES

PROFESSIONAL UP SKILLING

IN-HOUSE INDUSTRY SPONSORED LABS FOR PRACTICAL EXPOSURE

STUDENT CLUBS

SUMMITS

AI BASED TRAININGS

PLACEMENTS

VALUE ADDED COURSES

PROJECT BASED LEARNING

PROGRAMME OBJECTIVES

- Developing systems thinking and abstract thinking skills to analyze and synthesize data through extensive problem solving sessions.
- Aims to provide hands on practical experience for various hardware/ software environments to enable technological adaptation.
- Enhance social interaction skills, communication skills, life skills, entrepreneurial skills & research skills which are necessary for career growth & for leading quality life.

SHADOW PROJECTS **AI FOCUSSED** **CYBER SECURED** **BEST PLACEMENT OPPORTUNITIES** **INTERNSHIP WITH BEST IT FIRMS** **MICRO DEGREE CERTIFICATIONS**

Artificial Intelligence Lab

SCOPE FOR EMPLOYMENT

A plethora of opportunities in application development, software testing & maintenance.

Options to pursue MCA, M.Sc.(IT) or MBA.

Work as system analyst and database administrator in IT enabled service sector.

Software Developer	Networking	Software Architect
Software Engineer	Games Programmer	Database Designer
Database Manager	Network Administrator	Web Development
Programming	Programming specialist	IT Project Manager

CAREER DEVELOPMENT AND PLACEMENT OPPORTUNITIES

GJIMT offers a strong industry exposure based teaching pedagogy. GJIMT has hosted well known IT companies during its placement process like Infosys, TCS, IBM etc. GJIMT's TPC (Training, Placement & Consultancy Cell) works with a very remarkable approach to foster the student growth. We see learning as an ongoing process and we make efforts towards delivering the same from the very first day of campus induction.

CURRICULUM OVERVIEW

SEMESTER 1
- ↗ Mathematics — 3
- ↗ Problem Solving Techniques — 3
- ↗ Problem Solving Techniques Laboratory — 2
- ↗ Computer Architecture — 3
- ↗ Office Automation — 1
- ↗ General English - I — 2
- ↗ Indian Knowledge System^ — 1
- ↗ Environmental Science & sustainability — 2
- ↗ Human Values, De-addiction and Traffic Rules — 3
- ↗ Human Values, De-addiction & Traffic Rules (Lab/ Seminar) — 1
- ↗ Additional Course- Indian or Foreign Language Other than Mother Tongue & English (1-10) [optional course]* — 1

Total Credits: 22

SEMESTER 2
- ↗ Fundamental of Statistics — 3
- ↗ Fundamental of Statistics Laboratory — 1
- ↗ Data Structures-I — 3
- ↗ Data Structures-I Laboratory — 1
- ↗ Operating Systems — 3
- ↗ Operating Systems Laboratory — 1
- ↗ Object Oriented Programming using C++ — 3
- ↗ Object Oriented Programming using C++ Laboratory — 1
- ↗ Web Technologies — 3
- ↗ Web Technologies Laboratory — 1
- ↗ Entrepreneurship Setup & Launch** — 2*
- ↗ Additional Course - Indian or Foreign Language Other than Mother Tongue & English (1-10) {optional} — 1

Total Credits: 24

SEMESTER 3
- ↗ Data Structure-II — 3
- ↗ Data Structure-II Laboratory — 1
- ↗ Data Base Management System – I — 3
- ↗ Data Base Management System – I Laboratory — 1
- ↗ Python Programming — 2
- ↗ Python Programming Laboratory — 1
- ↗ Software Engineering — 3
- ↗ Software Engineering Laboratory — 1
- ↗ Professional Elective – I — 3
- ↗ Professional Elective – I Laboratory — 1
- ↗ Yoga/Sports/NCC/NSS/ Disaster Management — 1

Total Credits: 21

SEMESTER 4
- ↗ Entrepreneurship and Startup Ecosystem — 2
- ↗ Computer Networks-I — 3
- ↗ Computer Networks-I Laboratory — 1
- ↗ Design and Analysis of Algorithm — 3
- ↗ Design and Analysis of Algorithm Laboratory — 1
- ↗ Artificial Intelligence — 3
- ↗ Artificial Intelligence Laboratory — 1
- ↗ Database Management System-II — 3
- ↗ Database Management System-II Laboratory — 1
- ↗ Professional Elective – II — 3
- ↗ Professional Elective – II Laboratory — 1
- ↗ Design Thinking & Innovation — 1

Total Credits: 23

SEMESTER 5
- ↗ Computer Networks-II — 3
- ↗ Computer Networks-II Laboratory — 1
- ↗ Professional Elective – III — 3
- ↗ Professional Elective – III Laboratory — 1
- ↗ Professional Elective – IV — 3
- ↗ Professional Elective – IV Laboratory — 1
- ↗ Professional Elective – V — 3
- ↗ Professional Elective – V Laboratory — 1
- ↗ Internship/capsto ne Project — 1
- ↗ Minor Project — 2

Total Credits: 19

SEMESTER 6
- ↗ Cyber Security — 2
- ↗ Cyber Security Laboratory — 1
- ↗ Professional Elective – VI — 5
- ↗ Professional Elective – VI Laboratory — 1
- ↗ Professional Elective – VII — 5
- ↗ Professional Elective – VII Laboratory — 1
- ↗ Soft Skills — 1
- ↗ Major Project — 4

Total Credits: 20

Specific Electives

Data Science | Artificial Intelligence & Machine Learning | Full Stack Development

PLACEMENT

HIGHEST PACKAGE
₹6.5 LPA

MEDIUM PACKAGE
₹3.5 LPA

MAXIMUM EARNING POTENTIAL
₹8.0 LPA

INTERNSHIP HIGHLIGHTS

HIGHEST STIPEND
₹1.20 LPA

ELIGIBILITY CRITERIA

Passed 10+2 or equivalent in any stream by a recognized board/university, preferably with Maths.

ADMISSION PROCESS

To book your seat register on our website by paying the fees. As per IKGPTU/AICTE a candidate can get provisional admission in BCA program by filling the form, submitting the documents & paying the fees online.

FEE STRUCTURE

Semester 1	₹32,500/-
Semester 2	₹28,500/-
Semester 3	₹28,500/-
Semester 4	₹28,500/-
Semester 5	₹28,500/-
Semester 6	₹28,500/-
Total	₹1,75,000/-

ADMISSION DOCUMENTS

- ☐ 10th DMC
- ☐ Graduation DMC
- ☐ Character Certificate
- ☐ Achievements Certificate (If any)
- ☐ Category Certificate (If any)
- ☐ 5 Passport size photos
- ☐ 12th DMC
- ☐ Graduation Degree
- ☐ Migration Certificate
- ☐ GAP Certificate (If Applicable)
- ☐ Aadhaar Card

*FEES Exclusive of:
- University Examination Fee to be paid Online by Candidate during examination
- College Kit worth ₹4500
- Fees Subject to Revision by IKG PTU (If any)

ACTIVITIES AT GJIMT

GIAN JYOTI
Institute of Management and Technology
Approved by AICTE and Affiliated to IKG Punjab Technical University

NAAC
ACCREDITED

GIAN JYOTI INSTITUTE OF MANAGEMENT & TECHNOLOGY

HELPLINE: 0172-2264566 | 99144 33199
SECTOR-54, CHANDIGARH, PHASE-2, MOHALI.

www.gjimt.ac.in

Building Careers Since 1998
MBA | MCA | BBA | BCA | B.Com(Hons.)
with AI Integration

Scan & Register Now! (QR Code)