



SCHOOL OF COMPUTATIONAL SCIENCES

JOIN US TODAY TO LEAD TOMMOROW



Phagwara-Hoshiarpur Road, Phagwara,
Punjab 144401 (INDIA)

Connect the Team at GNA University:

☎ 1800-137-7006 | +91-98762-00089
🌐 www.gnauniversity.edu.in
✉ admissions@gnauniversity.edu.in

These Services will facilitate you to have the latest news and tweets from students and teachers about the life on campus along with the academic activities as well as student's opinion towards the same.

Connect with us:

📘 [gnauniversityphagwara](https://www.facebook.com/gnauniversityphagwara)
📺 [gnauniversity](https://www.youtube.com/gnauniversity)
📍 [gnauniversity](https://www.instagram.com/gnauniversity)
📱 [gnauniversityphagwara](https://www.whatsapp.com/gnauniversityphagwara)

80 Years

Corporate Legacy



200+

Consultancy
Projects



50+

Prime Recruiters



500+

Corporate Associates



100+

Global Placements



www.gnauniversity.edu.in

SCHOOL OF COMPUTATIONAL SCIENCES

Computer Science is one of the most lucrative fields in today's world that is versatile dynamic and progressive at a fast pace. The school of Computational Science (SCS) at GNA University, came into existence in the year 2014 to prepare the "Genre of Techies for Tomorrow!". SCS provides a unique learning environment, with up-to-date academics and high-quality research to develop a deep understanding of the subject. The curriculum is specially formulated to address new challenges in advanced computing, Artificial Intelligence, Cloud Computing, Cyber security, big data, advanced algorithms, systems architecture advanced computer networking Ethical Hacking and Digital Marketing.

The School of Computational Science strives to achieve excellent standards of quality education by keeping pace with rapidly changing technologies and helping students create computer professionals of global standards. SCS has an in-built Industria training module, a thriving research environment, state-of-the-art labs and accommodating smart teaching at both graduate and post-graduate levels SCS ensures an environment that helps students to become both business-savvy and tech-savvy. All degree programs under this department at GNA University are combinations of highly paid and exciting careers.



OUR VISION

To develop the skilled computer and IT professionals meeting global requirements of IT industry.



OUR MISSION

- To provide state-of-the-art infrastructure and conducive environment for budding IT professionals.
- To establish strong industry-academia relationship to enhance the technical skills of the students and make them readily employable.
- To provide exposure to the emerging and established tools and technology in the field of computer applications.
- To develop curriculum in accordance with industry requirements.



FROM THE DEAN'S DESK

It is my privilege to share my views from the Dean's chair. With an aim of improving preparedness of faculty to meet the global expectations, a series of mentoring sessions and interactive workshops with several revered foreign university professors were organized. Despite the challenges involved, we successfully developed sustainable plans and methodologies while also navigating the difficulties associated with time zone differences across the globe. We have been striving to organize mentoring sessions professionally designed for faculties to not only enhance their ability to perform high quality research but also to foster creativity, innovation and entrepreneurship among the 'students. It is mandatory for us to make our education system outcome-based. As such, we are committed to ensure the highest quality assurance standards for implementing in our engineering programmes in global context. We aim to generate groomed learners through our 'carefully designed unique techniques which are poised to enrich their technical knowledge, skills and naive to make them-globally competent fir terms of employment and entrepreneurship. Our efforts in student development reflects through the outstanding performance of our 'students in campus placements and in various prestigious industries. Based on our students'active participation in technical and programming contests, and with their Internships in reputed R&D industries and universities in India and abroad, we wish them best in their industry careers.

Dr. Vikrant Sharma
Dean, School of Computational Sciences

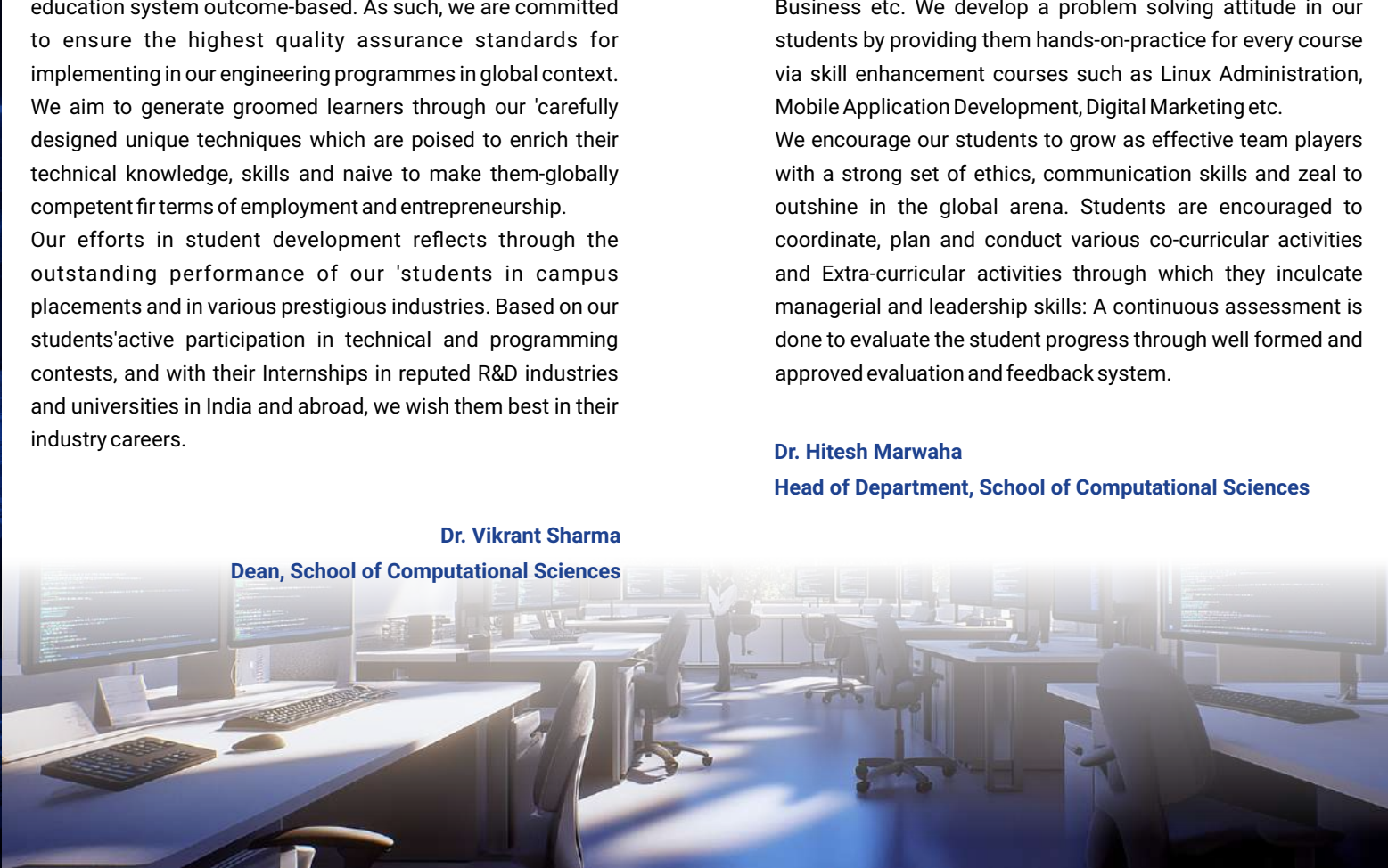
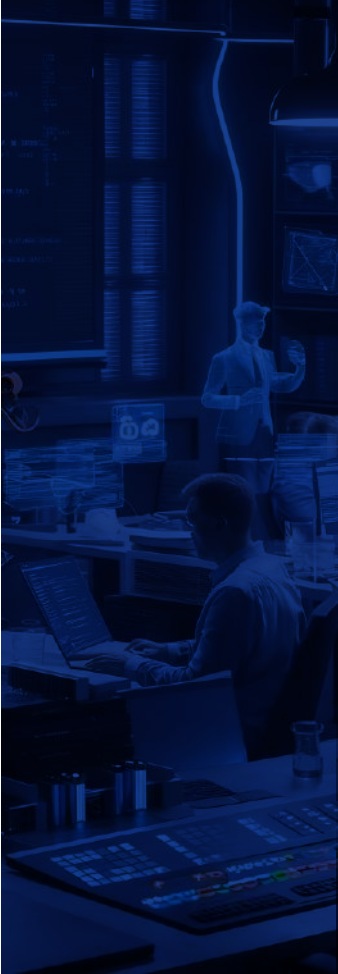
FROM THE HOD'S DESK

School of Computational Science at GNA University takes a vision of developing next- generation IT professionals, who can take up corporate problems effectively. The Department provides cutting-edge education ranging from the expertise in traditional software development to modern computing technologies such as Cyber Security, Cloud Computing, Data Analytics and many more. Our fully equipped labs Industry-aligned curriculum, and accreditations give our students a unique edge over the others.

Our department provides the students ability to serve in the competitive and Corporate world in the fields like Information Technology, Project Management information System, ERP, E-Business etc. We develop a problem solving attitude in our students by providing them hands-on-practice for every course via skill enhancement courses such as Linux Administration, Mobile Application Development, Digital Marketing etc.

We encourage our students to grow as effective team players with a strong set of ethics, communication skills and zeal to outshine in the global arena. Students are encouraged to coordinate, plan and conduct various co-curricular activities and Extra-curricular activities through which they inculcate managerial and leadership skills: A continuous assessment is done to evaluate the student progress through well formed and approved evaluation and feedback system.

Dr. Hitesh Marwaha
Head of Department, School of Computational Sciences



WHY SCHOOL OF COMPUTATIONAL SCIENCES ?

1

Excellent Academia
Industry Interface

2

Corporate Relation
Division for Providing
Assistance on Trainings
and Placements

3

Corporate Exposure
and Live Projects

4

Emphasis on
Making Students
Industry Ready

5

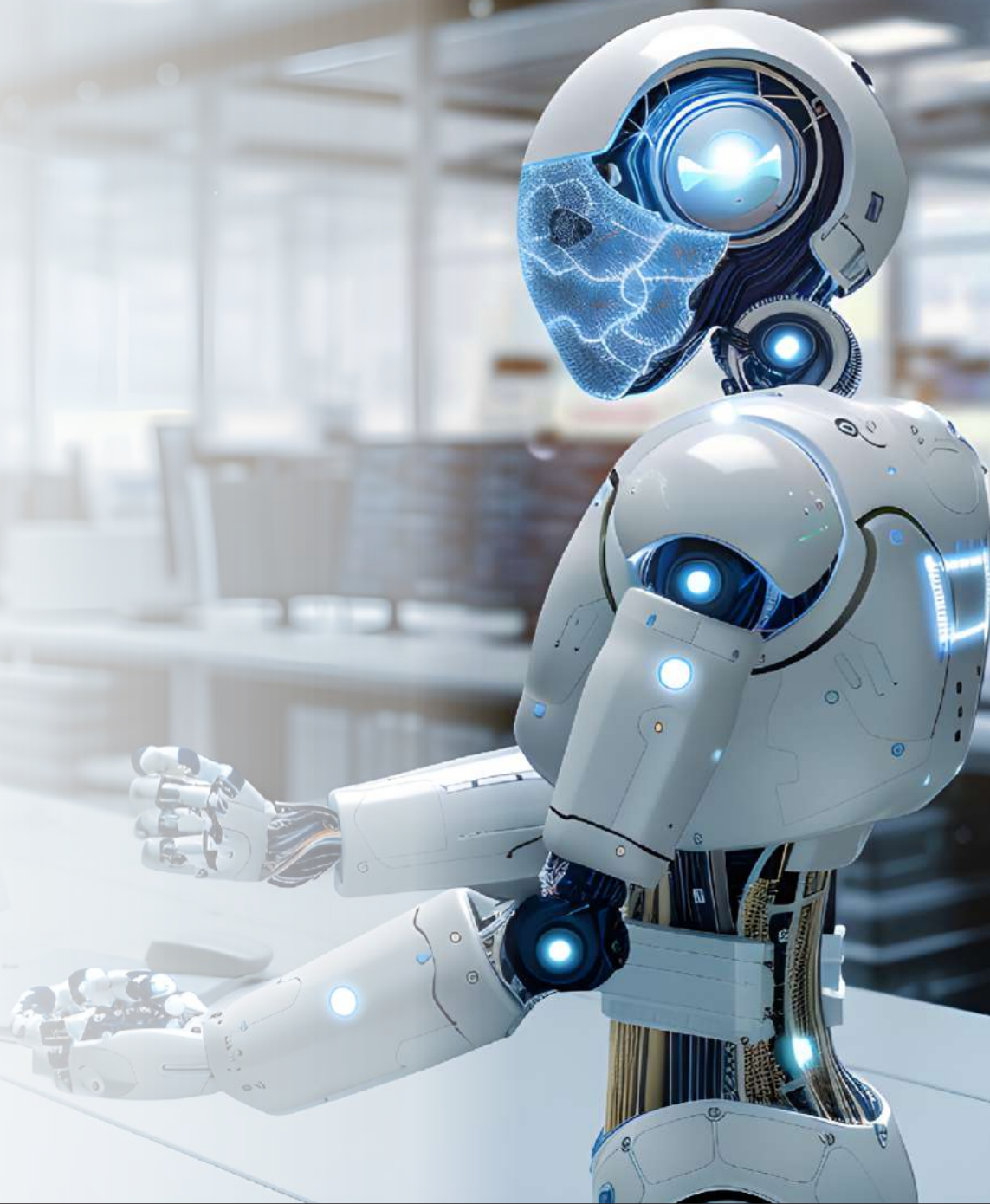
Real Life Intensive
Practical Training
and Workshops

6

Exposure to the Latest
and Emerging Trends
in the Market
and Economy

7

MOU with Global
Industries for Student
Exchange Program



MCA-MASTER OF COMPUTER APPLICATIONS

Eligibility - B.Sc. Computer Science/B.Sc.IT/ BCA | **Duration** - 2 years

The MCA program at GNA University is a comprehensive course designed to prepare students for advanced careers in the ever-evolving field of computer applications and technology. With a curriculum focused on programming, software development, artificial intelligence, data analytics, cloud computing, and cybersecurity, the program equips students with in-demand technical skills and problem-solving abilities. GNA University emphasizes hands-on learning through live projects, internships, and workshops, ensuring students gain real-world experience. The program offers diverse career pathways, including roles like software developer, data scientist, IT consultant, and AI engineer, while also providing a strong foundation for entrepreneurship. With access to modern infrastructure, expert faculty, and excellent placement opportunities through industry collaborations, the MCA program at GNA University empowers students to excel in their professional and academic pursuits.

CAREER PATHWAY

- Software Developer/Engineer
- AI/ML Engineer
- IT Consultant
- Web and Mobile App Developer
- Cloud Solutions Architect
- System Analyst
- Data Scientist/Analyst
- Cybersecurity Specialist
- Database Administrator

A. MCA IN DATA SCIENCE

MCA in Data Science is an advanced program that integrates computing, statistics, and data-driven technologies to extract meaningful insights from complex datasets. The curriculum develops expertise in data analytics, machine learning, statistical modeling, and big data technologies, supported by hands-on training in modern tools and programming frameworks with a strong industry-oriented approach, the program emphasizes real-world data applications, predictive modeling, and project-based learning, preparing students to make data-driven decisions across diverse sectors.

CAREER PATHWAY

- Data Scientist
- Machine Learning Engineer
- Business Intelligence Analyst
- Data Engineer
- Data Analyst

B. MCA IN CYBER SECURITY

MCA in Cyber Security is a specialized program focused on advanced security practices, network protection, and cyber threat management. The curriculum builds strong technical expertise in ethical hacking, cryptography, network security, and secure system design, supported by practical training using industry-standard security tools with an industry-driven approach, the program emphasizes hands-on labs, real-world attack simulations, and security audits, preparing students to safeguard digital infrastructure and respond to evolving cyber threats.

CAREER PATHWAY

- Cyber Security Analyst
- Information Security Specialist
- Ethical Hacker
- Security Consultant
- Penetration Tester

BCA-BACHELOR OF COMPUTER APPLICATIONS HONOURS

Eligibility -10+2 (Any Stream) | **Duration** - 4 years

The BCA program at GNA University is a comprehensive undergraduate course designed to provide students with a strong foundation in computer science and applications, preparing them for a dynamic career in the IT industry. The program covers essential subjects such as programming, web development, database management, networking, and emerging technologies like artificial intelligence and cloud computing. With a strong emphasis on hands-on learning, students gain real-world experience through projects, internships, and workshops. The program equips students with critical problem-solving, technical, and analytical skills, opening diverse career pathways, including roles like software developer, web developer, system analyst, and IT support specialist. With access to modern infrastructure, experienced faculty, and excellent placement opportunities through industry collaborations, the BCA program at GNA University ensures students are well-prepared for professional success and higher studies in the tech field.

CAREER PATHWAY

- Software Developer/Engineer
- IT Support Specialist
- App Developer
- Web and Mobile App Developer
- Database Administrator
- Game Developer
- System Analyst
- Network Administrator
- Cybersecurity Analyst

A. BACHELORS OF COMPUTER APPLICATION IN CYBER SECURITY

BCA in Cyber Security provides industry-focused training in protecting digital infrastructure through a mix of technical theory and hands-on practice. Students master ethical hacking, cryptography, and network security using real-world simulation labs and penetration testing tools. By aligning with current compliance frameworks, the program ensures graduates are fully equipped to identify vulnerabilities, design secure systems, and effectively manage cyber incidents.

CAREER PATHWAY

- Cyber Security Analyst
- Information Security Specialist
- Ethical Hacker
- Security Consultant
- Digital Forensics Expert

B. BACHELORS OF COMPUTER APPLICATION IN ARTIFICIAL INTELLIGENCE & MACHINE LEARNING WITH IBM

BCA in Artificial Intelligence & Machine Learning with IBM programming environments & emphasizes practical implementation through datasets, real-world projects, and AI model deployment, preparing students to solve complex problems using intelligent solutions. Industry exposure through workshops and expert sessions ensures alignment with emerging AI trends.

CAREER PATHWAY

- Machine Learning Developer
- Data Analyst
- AI Engineer
- AI Research Assistant
- Data Scientist

C. BACHELORS OF COMPUTER APPLICATION IN FULL STACK DEVELOPMENT

BCA in Full Stack Development equips students with the ability to design, develop, and deploy complete web applications. It focuses on both front-end and back-end technologies, enabling students to build scalable and responsive digital solutions. Through hands-on projects, students gain expertise in modern frameworks, databases, APIs, and deployment platforms, following industry-standard development practices. The program emphasizes real-world application development, version control, and collaborative workflows used in the software industry.

CAREER PATHWAY

- Full Stack Developer
- Software Engineer
- Backend/Frontend Developer
- Web Developer
- Application Developer

D. BACHELORS OF COMPUTER APPLICATION IN UI & UX DEVELOPMENT

BCA in UI/UX Specialization focused on creating intuitive, user-friendly, and engaging digital experiences. Students develop technical and creative skills in interface design, user research, prototyping, and usability testing, using industry-standard design tools & emphasizes a user-centric approach, where students work on real-world design problems, wireframes, and interactive prototypes, aligning with current design trends and product development cycles. Industry exposure ensures understanding of real client and user requirements.

CAREER PATHWAY

- UI Designer
- Product Designer
- UX Designer
- Interaction Designer
- Visual Designer

B.SC-INFORMATION TECHNOLOGY HONOURS

Eligibility -10+2 (Any Stream) | Duration - 4 years

The BSc IT program at GNA University is designed to equip students with the knowledge and skills required to excel in the fast-evolving IT industry. The program focuses on core areas such as programming, networking, database management, web technologies, cybersecurity, and cloud computing, ensuring students develop a strong technical foundation. With hands-on learning through live projects, internships, and workshops, students gain practical exposure to real-world challenges. The program sharpens critical thinking, problem-solving, and analytical skills, preparing students for diverse roles in IT, including software development, system analysis, and data management. With access to cutting-edge infrastructure, expert faculty, and excellent placement opportunities through industry tie ups, the BSc IT program at GNA University empowers students to build a successful career in technology or pursue higher studies and certifications in specialized IT domains.

CAREER PATHWAY

- Software Developer
- Web Developer
- System Analyst
- Data Analyst
- Network Administrator
- Cyber security Analyst
- Database Administrator
- App Developer
- Cloud Computing Specialist

B.SC-DIGITAL MARKETING & SOCIAL NETWORKS HONOURS

Eligibility -10+2 (Any Stream) | Duration - 4 years

The BSc DMSN program at GNA University is designed to equip students with the skills and knowledge needed to thrive in the fast-paced world of digital marketing and social media. The program covers a wide range of topics, including search engine optimization (SEO), social media marketing, content creation, data analytics, e-commerce strategies, and online advertising. Through practical learning experiences, such as live projects, internships, and workshops, students gain hands-on experience with the latest digital marketing tools and platforms. The program helps students develop critical thinking, creativity, and data-driven decision-making skills, preparing them for successful careers in digital marketing, brand management, content strategy and social media analytics. With a strong industry focus, modern infrastructure, and expert faculty, the BSc in Digital Marketing and Social Networks program at GNA University provides students with the expertise to succeed in the evolving digital landscape.

CAREER PATHWAY

- Digital Marketing Manager
- Social Media Manager
- SEO Specialist
- Content Strategist
- PPC Specialist (Pay-Per-Click)
- E-commerce Manager
- Brand Manager
- Email Marketing Specialist
- Social Media Analyst

B.SC. COMPUTING AND APPLIED MATHEMATICS

Eligibility -10+2 (Any Stream) | Duration - 4 years

The B.Sc. Computing and Applied Mathematics program at GNA University is an interdisciplinary undergraduate degree designed to build strong foundations in computer science, programming, and advanced mathematics by integrating theoretical mathematical concepts with practical computing skills. The program focuses on developing expertise in software development, algorithms, data analysis, and mathematical modeling, preparing students for careers in the rapidly evolving technology sector. Through programming labs, projects, and industry-oriented learning modules, students gain hands-on experience while studying key areas such as programming languages, data structures, computer systems, artificial intelligence, statistics, and applied mathematics. By combining mathematical reasoning with computational techniques, the course enhances analytical thinking, logical reasoning, and problem-solving abilities that are essential in modern computing and data-driven industries, while exposure to industry tools, research opportunities, and practical projects helps students bridge the gap between academic learning and real-world applications, preparing graduates for careers in technology, data science, research, and advanced studies.

CAREER PATHWAY

- Software Developer
- Data Scientist
- Business Intelligence Analyst
- Data Analyst
- Cybersecurity Analyst
- System Administrator
- Network Administrator
- FinTech Analyst
- Artificial Intelligence Engineer
- Machine Learning Engineer
- Quantitative Analyst
- Research Analyst

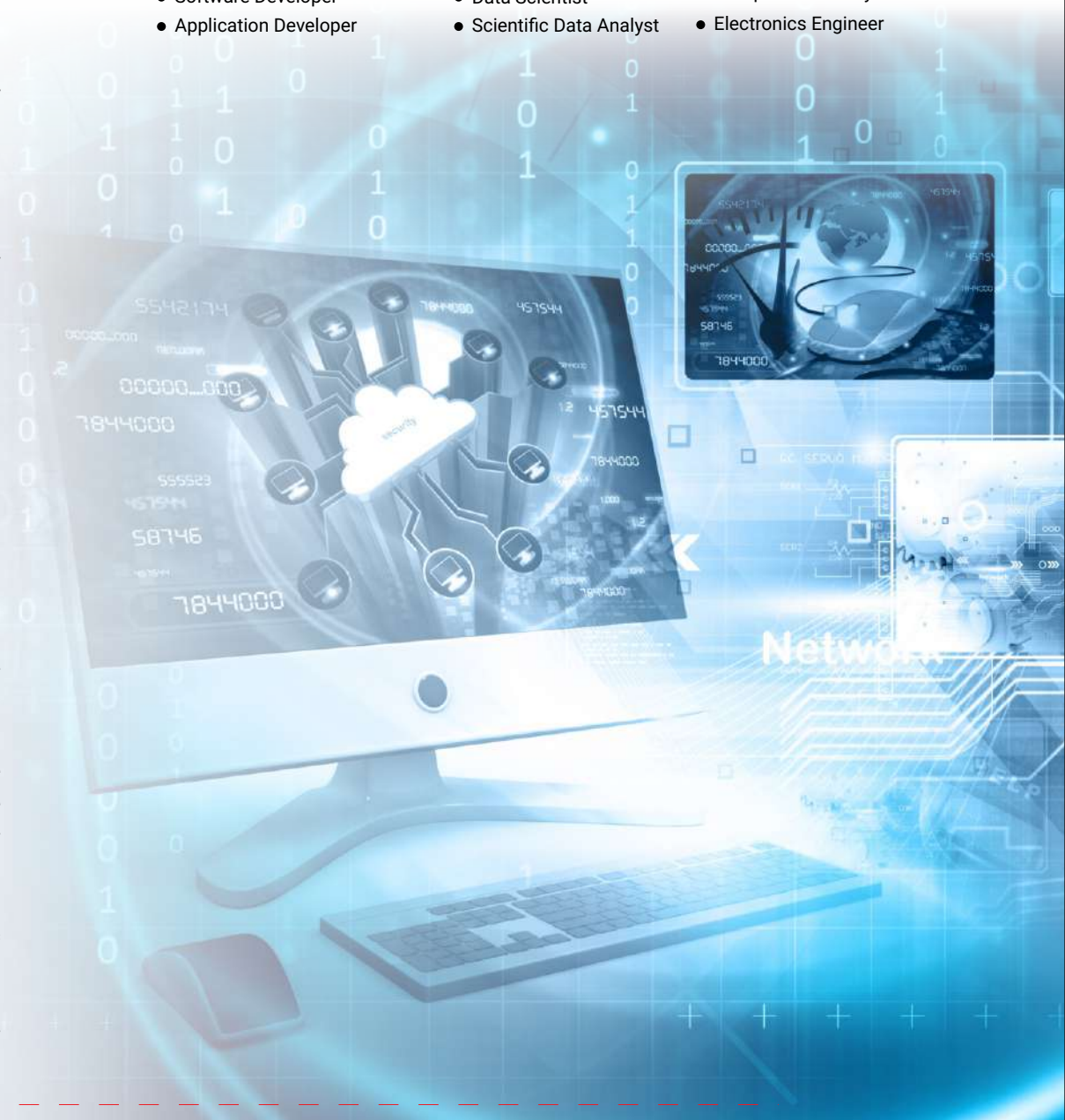
B.SC. COMPUTING AND APPLIED PHYSICS

Eligibility -10+2 (Any Stream) | Duration - 4 years

The B.Sc. Computing and Applied Physics program at GNA University is an interdisciplinary undergraduate degree that combines the principles of computer science and physics to equip students with strong computational and scientific problem-solving skills. Designed for students interested in understanding physical phenomena alongside modern computing technologies, the program provides a solid foundation in programming, computational methods, data analysis, and core physics concepts such as mechanics, electromagnetism, thermodynamics, and quantum physics. By integrating computing with physics, students learn to use computational tools to model real-world physical systems, perform simulations, and analyze large scientific datasets. Through laboratory work, programming projects, and applied learning, the course develops analytical thinking, scientific reasoning, and technical expertise required to solve complex scientific and technological challenges. The program also emphasizes hands-on exposure to modern software tools and computational techniques used in research, engineering, and technology industries, preparing graduates to apply computational approaches in scientific research, engineering applications, and emerging technological fields, while also enabling them to pursue advanced studies and professional careers.

CAREER PATHWAY

- Computational Scientist
- Simulation Engineer
- Software Developer
- Application Developer
- System Programmer
- Data Analyst
- Data Scientist
- Scientific Data Analyst
- Research Assistant
- Laboratory Technologist
- Computational Physicist
- Electronics Engineer



SCHOOL OF COMPUTATIONAL SCIENCES



INDUSTRIAL VISIT AT "SENSATION SOFTWARE SOLUTIONS PVT. LTD., MOHALI"



INDUSTRIAL VISIT AT "DEFTSOFT, SAHIBZADA AJIT SINGH NAGAR, MOHALI"



TWO-DAY WORKSHOP ON "THE INTELLIGENT EDGE: DEPLOYING AI IN IOT AND ROBOTICS"



GUEST LECTURE ON "SIGNIFICANCE OF RESEARCH WORK IN THE INDUSTRIAL DOMAIN."



WORKSHOP ON SYNTAX DEVELOPER



FACULTY DEVELOPMENT PROGRAM



STUDENT INDUCTION PROGRAM



FAREWELL PARTY



GUEST LECTURE ON CYBER SECURITY



GUEST LECTURE ON "SOCIAL MEDIA MARKETING"



GUEST LECTURE "CYBER SHIELD PROTECTING"



GUEST LECTURE ON "ORACLE APEX LOW CODE APPLICATION DEVEL"

OUR KNOWLEDGE PARTNERS



OUR PROMINENT RECRUITERS



The above logos are registered trade marks of the respected companies. These are used here for reference only

ADMISSION PROCESS

- Fill in the Application Form only if you satisfy yourself about your eligibility for admission in the Program.
- If you have appeared in a qualifying examination and the result there of is awaited, you can apply provisionally to go through the admission process, subject to fulfillment to the eligibility criteria.
- The Application Form has to be filled in your own handwriting in black/blue ink and undertaking is to be signed by the applicant only.
- The instructions in the Application Form are self-explanatory. Kindly adhere to them strictly.
- It is mandatory to provide your e-mail address (clearly) and contact number as it will be used by the Admission office for any further communication.
- University/Board Marks filled in the Application Form will be considered for all procedured related to the admission. Any discrepancy found during the original document verification will result in the cancellation of the admission.

APPLICATION CHECKLIST

- Admission Form
- Four Passport Size Photographs
- Matriculation DMC
- Matriculation Passing Certificate
- 10+2 Mark Sheet
- 10+2 Pass Certificate
- Mark sheets of Graduation (if applicable)
- Degree of Graduation (if applicable)
- Residence Proof (Voter card/Driving Licence etc.)
- Aadhar Card
- Character Certificate (Original)
- Medical Fitness Certificate (Original)
- Blood Group Report
- Gap Certificate (if applicable) (original)
- Migration Certificate / Transfer Certificate (original)

EARN WHILE YOU LEARN (FREELANCERS)

A Group Of Innovative Students From The School Of Computational Science Department. This "Work-While You Learn Approach-Has-Enabled Them To Apply Theoretical Knowledge-To-Real-World Projects, Fostering Hands On Experiences, Skill Development & Financial Independence.



Name: Kishan Kumar
Class: MCA
Specialization: UI/UX DESIGNER



Name: Aditya
Class: MCA
Specialization: Chief Technology Officer, Tech Lead.



Name: Ndingwan Mcjunior
Class: BCA
Specialization: web development and search engine optimization



Name: Anmol Upadhya
Class: BCA
Specialization: full stack development and digital Marketing



Name: Bablu
Class: BCA
Specialization: Web Designing & Web Development



Name: Charanpreet Kaur
Class: BSc DMSN
Specialization: Digital marketing



Name: Ankita
Class: BSc DMSN
Specialization: Digital marketing

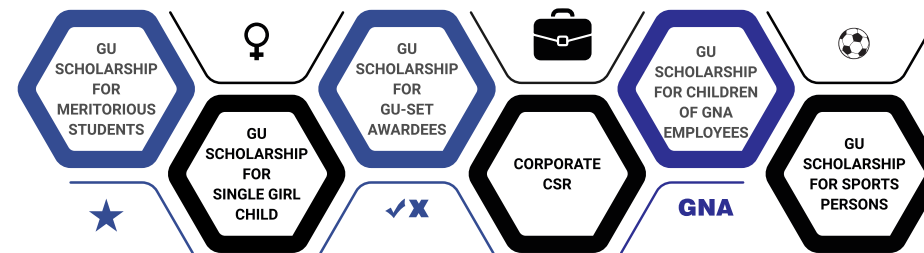


Name: Rakshit Sehdev
Class: MCA
Specialization: Graphic Designer



Name: Khusham dhingra
Class: BCA
Specialization: Graphic design and web development

FINANCIAL ASSISTANCE



*SCHOLARSHIP SLABS FOR SESSION 2026					
SCHOLARSHIP	UG				PG
	QUALIFYING EXAMINATION STREAM-ARTS/ COMMERCE/OTHERS	QUALIFICATION EXAMINATION STREAM - NON-MEDICAL(MARKS OBTAINED IN PHYSICS, CHEMISTRY, MATHEMATICS WILL BE CONSIDERED FOR SCHOLARSHIP)	QUALIFYING EXAMINATION MARKS	QUALIFICATION EXAMINATION STREAM - MEDICAL (MARKS OBTAINED IN PHYSICS, CHEMISTRY, BIOLOGY WILL BE CONSIDERED) FOR SCHOLARSHIP	ALL PG COURSES
	QUALIFYING EXAMINATION MARKS	JEE (MAIN) RANK	QUALIFYING EXAMINATION MARKS	QUALIFYING EXAMINATION MARKS	MBA - CAT/ XAT / MAT
45 % of tuition fee	> 90%	300000 to 400000	> 90%	> 90%	Percentile more than 96 to 97
35 % of tuition fee	> 81% to 90%	400000 to 500000	> 81% to 90%	> 81% to 90%	Percentile more than 95 to 96
25 % of tuition fee	> 72% to 81%	500000 to 600000	> 72% to 81%	> 72% to 81%	Percentile more than 90 to 94.99
15 % of tuition fee	63% to 72%	>600000	63% to 72%	63% to 72%	Percentile more than 85 to 89.99

*Student can avail one scholarship at one point of time during the course of study

Sr. No.	Level of Program	Programs Name	Program Duration	Eligibility min. 50% Marks	Tuition Fee Per sem (Rs.)
1.	Post Graduate	Master of Computer Applications	2 Years	B.Sc Computer Science/ B.Sc IT/BCA	₹ 63,000
2.	Graduate	B.Sc Digital Marketing and Social Networks Honours	4 Years	10+2 Any Stream	₹ 54,000
3.	Graduate	B.Sc Computing and Applied Physics Honours	4 Years	10+2 Any Stream	₹ 54,000
4.	Graduate	B.Sc Computing and Applied Mathematics Honours	4 Years	10+2 Any Stream	₹ 54,000
5.	Graduate	B.Sc Information Technology Honours	4 Years	10+2 Any Stream	₹ 54,000
6.	Graduate	Bachelor in Computer Applications Honours	4 Years	10+2 Any Stream	₹ 54,000
7.	Graduate	BCA in Full Stack Development, Cyber Security, UI/UX, AI/ML Honours	4 Years	10+2 Any Stream	₹ 54,000

- SINGLE GIRL CHILD / ONLY GIRL SIBLINGS** 15% of tuition fee
- *If student is not eligible for meritorious scholarship, then above category of scholarship will be applicable.
- CORPORATE EMPLOYEE SCHOLARSHIP*** Additional 5% of tuition fee in First Semester Only
- GNA Employee
- SIBLING SCHOLARSHIP*** Additional 5% of tuition fee in All Semesters
- Sibling Scholarship
- SPORTS SCHOLARSHIP*** As per Sports Policy

Refundable Security Fee: ₹5000/- in first Semester only Hostel Fee : ₹45,000/- Per Semester Electricity Charges (Hostel) : Will be Chargeable as Consumed	Avail Education Loan on Loan Helpline Number: +91-8558894203
---	---