



# SCHOOL OF ENGINEERING, DESIGN & AUTOMATION

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in India**

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

Connect the Team at GNA University:

☎ 1800-137-7006 | +91-98762-00089  
🌐 [www.gnauniversity.edu.in](http://www.gnauniversity.edu.in)  
✉ [admissions@gnauniversity.edu.in](mailto: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.

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**80 Years**

Corporate Legacy



**200+**  
Consultancy  
Projects



**50+**

Prime Recruiters



**500+**

Corporate Associates



**100+**

Global Placements



[www.gnauniversity.edu.in](http://www.gnauniversity.edu.in)

## ABOUT US

GNA University is a private, co-educational university in North India. The university is a hub for rigorous and multitudinous courses to a diverse community of students, setting a benchmark and making a brand name in the vicinity and around the areas. The University seeks to improve the quality of life through electric blend of science, technology and humanities for innovative solutions to real life problems. The University is engaged in imparting, creating, preserving and propagating knowledge in the global context. The unique feature of the programs conducted at the University is the focus on experiential learning, industrial internships, learning to learn principles, flexible, credit based study programs and holistic development of personality which in turn will ensure employability of the students.



## OUR VISION



To become a leading contributor to engineering domain with a vibrant multi-cultural learning environment to provide world class technocrats, entrepreneurs and innovators who shall work to serve local, national & international community.



## OUR MISSION

- Developing curriculum in consonance with industry requirement.
- Providing state of the art infrastructure for integrated design & manufacturing for research, innovation & to solve industrial projects.
- Ensuring Learning by practical knowledge & skilled based training.
- Developing holistic personality of the students



## FROM THE DEAN'S DESK

It gives me immense pleasure to share my views from the Dean's Chair. A highly lucrative professional career is just getting started with your decision to join SEDA GNA University. The SEDA has a rich expertise in the Engineering Education because of huge experience of Industry in its leadership management and expertise knowledge of industrial requirements, It boasts a sizable infrastructure, fully functional labs, a library with a wide variety holdings, and faculty members with extensive industrial as well as academic experience. Our students come from a variety of backgrounds and have big aspirations and hopes to change the world. We impart in them the cultural assurance, technical proficiency and adaptability they need to be contributing members of society. We assist them in showing global perspective by encouraging their creative minds and helping them with education, character development, sports, and other extracurricular activities. Therefore, our students are significantly improving their every aspect learning to make them highly employable. Being a prominent professional institution, we are aware that our duty extends beyond Simply generating graduates. It also includes assisting students in finding suitable Employment while their studies. We set up additional support to provide them with ramming technological skills to improve their employability. To accomplish this goal, we have established numerous global certification centre which offer training of respective skills to students. Also, we have established numerous of tie-ups with industries and knowledge partners to exchange knowledge and skills with them through students and faculty members.

**Dr. C.R. Tripathy**  
**School of Engineering Design & Automation**  
**(Design Division)**



## 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**  
**School of Engineering Design & Automation**  
**(Engineering Division)**

## SCHOOL OF ENGINEERING, DESIGN & AUTOMATION

GNA University provides wide range of Doctorate, postgraduate, graduate and Diploma Programs. GNA School of Engineering, Design, and Automation (SEDA) is one of the school of GNA University that offers programs in different domains which includes Aerospace, Mechanical and Automation, Computer Science-Engineering, Computer Science-Engineering with Cyber Security, Cloud Computing\Data Science/AI-ML, Full Stack Development, Robotics and Automation, Electronics and Communication, Electronics and Computer Engineering, Civil Engineering & B. Design (Bachelor of Design). GNA University aims to give broad overview and versatile development to its future technocrats enabling them to compete at international level. The Engineering School of GNA University aims to cater the education with the highly experienced

faculty and Industry ready engineers . Here, at GNA we are putting our best foot forward to create opportunities for the students to explore the creative world of Engineering, Design and Automation through various co-curricular activities.

GNA University Engineering School renders the students with extra ordinary learning opportunities and provides a practical demonstration at the same time which is followed by hands on training, industry tours to have exposure that boosts students for careers and success in the field of Engineering.

Moreover, at GU we not only cater students with academics, but also set for life skills, Communication skills, interpersonal skills, and leadership skills so that they are able to deal effectively with the demands and challenges of life.



# WHY SCHOOL OF ENGINEERING, DESIGN & AUTOMATION ?

1

ROBUST  
INDUSTRIAL INTERFACE

2

QUALIFIED &  
CERTIFIED FACULTY

3

CHOICE-BASED  
ACADEMIC  
CURRICULUM

4

FUNDING FOR  
RESEARCH WORK

5

GLOBAL  
CERTIFICATIONS

6

INTERNATIONAL  
COLLABORATIONS

7

INDUSTRY  
BACKGROUND  
UNIVERSITY

8

INDUSTRIAL  
VISITS

## AEROSPACE ENGINEERING

Eligibility - 10+2 Non-Medical | Duration - 4 years

Aerospace Engineering is one of the most promising programs offered at GNA University in Punjab. It mainly focuses on the design, construction, testing, and operation of airplanes, spacecraft, UAVs, etc.

At GNA University (GU), the Aerospace Engineering program encourages all-round development through an industry-adapted curriculum that emphasizes innovation. The curriculum is integrated with multidisciplinary knowledge in the field of aerodynamics and aircraft operations.

GNA is the first private university in North India with a "DGCA-approved Aviation Wing," providing aspirants with practical exposure. This includes access to "India's First Maule M-7 Aircraft" named "Super-Rocket" by aircraft maintenance technicians, along with real-time experience with the Tumansky Turbojet Engine.

Each year, our engineers set new benchmarks by securing placements in top organizations such as DRDO-TBRL, DRDO-RAC, NAL, Collins Aerospace, Garuda Aerospace, DesignTech, and other eminent company

### CAREER PATHWAY

- UAV Engineer
- Production Engineer
- Aircraft Design Engineer
- Public Sector Undertaking (ISRO, DRDO, HAL, NAL)
- Officer in Defense Sector
- Aerodynamic Engineer
- Aircraft Structural Engineer
- Junior Research Fellow
- Control Engineer
- Propulsion Engineer
- Aircraft Technical Author

## BACHELOR OF DESIGN (B.DES)

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

Bachelor of Design is an undergraduate program which has a prime focus at developing the creativity of the aspirants. This graduation program enables the students to become competent professionals as designers, innovators & entrepreneurs.

Bachelor of Design in Automotive and Product Design is a tailor-made program that enables the students, envision the products of future in both form and function. In this program, you are introduced to design process, design sketching, aesthetics, digital sculpting, digital sketching rendering and rapid prototyping. The design and styling of a product is always crucial for a successful market response and the students are provided to work in best Labs with Wacom Cintiq Pro24, Clay Modelling Lab, Surface Development Lab (Autodesk Alias Lab), Workshop, Rapid Prototype Machine (3D Printer).

### CAREER PATHWAY

- Designer For gaming and Toy Industry
- Graphic Designer
- Furniture Designer
- Clay Modeller Position for Automotive Styling
- Car and Bike Customization
- Jewellery & Metalsmithing
- Exterior Surface Designer
- Interior Designer for Cars, tucks, Buses etc
- Car Accessories Designer

## COMPUTER SCIENCE AND ENGINEERING

**Eligibility - 10+2 Non-Medical | Duration - 4 years**

The Computer field is one of the fastest-growing segments of today's industry, it is also one of the fastest-changing areas technologically. Computer science underpins this revolution, bringing together an understanding of the technological foundations of computing, hardware/software method, and information & communication technologies.

The Department of Computer Science & Engineering has a strong commitment to participate in these advances in computing by forming partnerships with industry. New courses and facilities will continuously reflect our role in these advances and discoveries.

This course is forward-looking and will equip you for a career at the forefront of innovation. The department offers various specializations such as Cyber Security, Cloud Computing, Data Analytics, Full Stack Development etc.

### CAREER PATHWAY

- Software Developer
- Network Engineer
- Cloud Architect
- Data Scientist
- DBA Administrator
- Software Engineer
- App Developer
- Cyber Security Specialist
- Embedded system Engineer
- Full Stack Developer
- Devops Engineer

## CIVIL ENGINEERING

**Eligibility - 10+2 Non-Medical | Duration - 4 years**

Civil Engineering is the oldest branch of engineering and still coming up with flying colors Civil Engineer is mainly concerned with designing, planing, creating and rehabilitating infrastructural system housing power-generation facilities, "water supply networks, Towns, bridges, dams, flood protection pollution control works and many more.

GU Civil undergraduate program is a professional engineering program which enables you with a highly experienced faculty and revised curriculum so that students can catch up with cutting edge technologies. With the ever increasing development in infrastructure, Civil Engineering has become a giant in field of engineering. Civil engineers render technical advise on live engineering problems to various Government and Private Sector companies throughout country The students have multiple career opportunities where they deal with research responsive to global challenges even in overseas countries such as Dubai & CANADA.

### CAREER PATHWAY

- Site Engineer
- Consultancy Services
- Research & Development
- Drafting & Designing in AutoCAD
- Irrigation & Public Health Department
- Highways and Constructions
- Govt. Sector (J.E & PWD/MES)
- Public Sector Units
- Surveyor
- Structural Engineer

## ELECTRONICS AND COMMUNICATION ENGINEERING

**Eligibility - 10+2 Non-Medical | Duration - 4 years**

B.Tech Electronics and Communication advantages you with the diligence of science and the discovery in the field of Electronics, Electrical & Communication. By joining this ECE program at GNA, you will discover the tremendous blend of contemporary courses which includes like Internet of Things, Nanotechnology, Neural Networks, Image Processing, and a lot more.

ECE department in GNA provides a widespread curriculum with a captivating choice in software and hardware. Moreover, it bestows an opportunity for aspiring students like you to become Electronics and Communication Engineer. This program students also have great career prospectus in public and private sector including BHEL, ISRO, DRDO, IBM, WIPRO, PHILIPS, BSNL, PSPCL, Railways.

### CAREER PATHWAY

- Network Engineer
- Radio Engineer
- Control & Automation Engineer
- Machine Learning Engineer
- IOT/ Robotics
- Public Sector Undertaking
- Hardware Engineer (Embeded System)
- PLC & Automation Engineer
- Telecommunication Engineer
- Research & Development

## ELECTRONICS AND COMPUTER ENGINEERING

**Eligibility - 10+2 Non-Medical | Duration - 4 years**

B.Tech Electronics & Computer Engineering is a multidisciplinary program that explores the core branches of engineering together namely, electronics, electrical and computer with major emphasis on electronics and computer. We are experiencing that every device in today's world is electronically advanced and the future lies in advance technologies of electronics, therefore, the demand of engineers who can work on electronic devices is on the high. The curriculum of these fields is intertwined in such a way that it includes all the latest technologies being used in IOT, deep learning, computer vision, big data, cloud, and automation or any other related industry and helps in solving real word problems by developing products or systems. This field will help in Increasing the accuracy, speed, and quality not only of the software but also the hardware devices. The careers which you can opt by joining this program will include:

### CAREER PATHWAY

- Biomedical Device Engineer
- Software engineer
- IoT Engineer
- AI/ML Engineer
- Data Analyst
- Research and development
- Desktop Support Engineer
- Quality Engineer
- IT Engineer
- Network Engineer

## B.TECH IN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (WITH IBM)

Eligibility - 10+2 Non-Medical | Duration - 4 years

AI is no longer experimental – it is the engine driving modern business. The global AI market is projected to reach \$347 billion by 2026 (Statista), creating a massive shortage of engineers who can build, train, and deploy intelligent systems. Partnering with IBM gives students access to enterprise-grade tools through the IBM SkillsBuild platform – including 1,000+ courses, digital credentials, and virtual internships. Students will work with frameworks like TensorFlow and PyTorch, build ML pipelines, and graduate with industry-recognized certifications. Average starting salary: ₹5–10 LPA, up to ₹15 LPA at top firms (TalentNauts, 2025).

### CAREER PATHWAY

- Machine Learning Engineer
- AI Research Scientist
- Deep Learning Engineer
- Computer Vision Engineer
- MLOps Engineer
- Generative AI Engineer
- AI Solutions Architect
- Conversational AI Engineer

## B.TECH WITH DATA SCIENCE

Eligibility - 10+2 Non-Medical | Duration - 4 years

The world generates 181 zettabytes of data annually – roughly 402 million terabytes every day (Exploding Topics, 2025) – but that data is useless without engineers who can interpret it. Unlike AI/ML which focuses on building intelligent systems, Data Science focuses on statistical reasoning, data engineering, and business intelligence. Students will master tools like Python, SQL, Tableau, and Apache Spark, learning to turn raw data into actionable strategies that save money, improve products, and drive growth. Average starting salary: ₹5–8 LPA, up to ₹10 LPA at top companies (PyNet Labs, 2025).

### CAREER PATHWAY

- Data Scientist
- Data Analyst
- Data Engineer
- Business Intelligence Analyst
- Predictive Analytics Specialist
- Decision Scientist
- Analytics Consultant
- Data Science Product Manager

## B.TECH WITH QUANTUM COMPUTING

Eligibility - 10+2 Non-Medical | Duration - 4 years

Traditional silicon chips are approaching their physical limits, making quantum computing the necessary next step. In 2025, global quantum investment reached \$33.28 billion, with governments alone committing over \$10 billion – including Japan (\$7.4B) and the U.S. (\$2.5B proposed via the Quantum Leadership Act) (McKinsey, 2025). Students will build foundations in linear algebra, quantum mechanics, and classical computing before advancing to quantum algorithms, error correction, and quantum-safe cryptography using platforms like IBM Qiskit, Google Cirq, and Amazon Braket. Universities investing now hold a 5–10 year talent advantage as the field moves from research to commercialization.

### CAREER PATHWAY

- Quantum Software Engineer / Developer
- Quantum Algorithm Developer
- Quantum Research Scientist
- Quantum Hardware Engineer
- Quantum Cryptography Specialist
- Quantum Applications Specialist
- Quantum Compiler Engineer
- Cryogenics / Photonics Specialist
- Quantum Product Manager
- Quantum Strategy Consultant

## BCA IN UI/UX DESIGN

Eligibility - 10+2 Non-Medical | Duration - 4 years

As AI and no-code platforms automate coding, the value of a tech professional is shifting from how well they code to how well they design for humans. Every dollar invested in UX returns \$100 – a 9,900% ROI (Forrester, via Forbes). This degree teaches human-computer interaction, information architecture, user research, and prototyping using tools like Figma, Adobe XD, and front-end frameworks. Graduates will be the ones who understand what to build and why – making them indispensable as AI handles the how. Average starting salary: ₹3–6 LPA (GeeksforGeeks / AmbitionBox, 2025).

### CAREER PATHWAY

- UI/UX Designer
- UX Researcher
- Product Designer
- Interaction Designer
- Service Designer
- Information Architect
- Design Systems Engineer
- UX Writer / Content Designer
- Design Strategist
- Creative / Design Director

## MECHANICAL AND AUTOMATION ENGINEERING

Eligibility - 10+2 Non-Medical | Duration - 4 years

The undergraduate degree in Mechanical and Automation Engineering is a four year degree program structured to enable the students to identify, analyze and solving problems using the Fundamentals of mathematics and engineering sciences with automation. It enables students in advanced mechanical system by effective production methodologies with industrial automation.

This Program emphasis on advanced technology learning in CAD/CAM/CAE Technologies Festo's Automation Solutions, Mechatronics, Manufacturing Simulation Systems, Additive Manufacturing, FDM, Controlling Automated Machines, Control Systems, and Information Technologies.

### CAREER PATHWAY

- Automotive Sector & Robotics Industry
- Aircraft & Shipyard Industries
- Home appliances Industries
- System Engineer in FMS
- Machine Tool/Hand Tool
- CAD/CAM Engineer
- Design Engineer
- Research and Development
- Oil & Refinery Industry
- Defense like HAL, DRDO, ISRO
- IIOT, PLM
- Programing Engineer

## ROBOTICS AND AUTOMATION ENGINEERING

Eligibility - 10+2 Non-Medical | Duration - 4 years

B.Tech in Robotics and Automation Engineering is a four year advanced graduation program that has been aspiring to generate industry ready engineers in the field of Robotics and Automation. It is branch of Engineering that includes Mechanical, Electrical, Electronics Computer science, instrumentation and control, Artificial intelligence and Machine learning. Highly experienced faculty strives hard to build careers in the upcoming technologies which bridges the gap between efficient technologies like robotics automation and the knowledge required to implement these technologies. With a B.Tech degree in Robotics and Automation, will acquire the multi disciplinary skills which is the demand of today's corporate and business world.

### CAREER PATHWAY

- Design and Development of Robots
- AI and Automotive Industry
- Robotic Process and Automation Developer
- Defence and Military Companies
- Automation System Engineers and Consultant
- Mining and Ocean exploration
- Aircraft and space Research Industries
- IIOT & Robotics

## B.TECH MECHANICAL AND SMART MANUFACTURING

Eligibility - 10+2 Non-Medical | Duration - 4 years

B.Tech in Mechanical and Smart Manufacturing (Automation Engineering) at GNA University is a specialized four-year undergraduate program designed to transform you into an industry-ready professional. Our curriculum moves beyond conventional mechanics, training you in the advanced technologies that are driving the 4th Industrial Revolution (Industry 4.0 At GNA University, we have a rich legacy of over 70 years in industrial manufacturing and production technology. Our program is meticulously crafted in consultation with industry leaders to ensure our students are equipped to tackle modern industrial challenges

### CAREER PATHWAY

- Automation Engineer
- Robotics and Control Systems Engineer
- Additive Manufacturing (3D Printing) Expert
- Smart Factory Manager



## CORPORATE VISITORS



**Mr. Prabhat Kumar Jha**  
Ex Deputy General Manager,  
Maruti Suzuki



**Dr. Sanjeev S. Katti**  
Director General, ONGC Energy  
Centre



**Mr. Pardeep Kumar Jain**  
Sr. Vice President, Reliance  
Industries



**Mr. Kishore Sankhe**  
An Expert from Mahindra &  
Mahindra Ltd.



**Prof. Bhupa P. Dhamala**  
Tribhuvan University, Nepal



**Mr. Raman Ramchandran**  
Lead-Supplier Development, Dana Inc.



**Mr. Mahesh Awari**  
AAM | General Motors | Eaton



**Mr. Rakesh Malhotra**  
MD, New Holland Tractor



**Mr. Rajinder Chaudhary**  
Operation Head, Mahindra and  
Mahindra



**Mr. Stephan Helf**  
Sr. Vice President PTC Inc. USA



**Mr. Alok Mam**  
Sr. Vice President, TAFE LTD.



**Mr. KS Dhodhy**  
Executive Director, SML  
ISUZU LTD



## OUR PRACTICAL LABS



UNIVERSAL TESTING MACHINE (UTM)



INSTRUMENTAL LAB



VIRTUAL LAB



NETWORK & COMMUNICATION LAB



CATIA DASSAULT SYSTEMS (FRANCE)



NX LAB, SIEMENS PLM, USA



BIG DATA



AIRCRAFT PROPULSION LAB



CONCRETE LAB



CMM ACCURATE LAB



CLOUD COMPUTING LAB



AIRCRAFT SYSTEM & INSTRUMENTAL LAB

## OUR PRACTICAL LABS



RPT (3D PRINTER) STRATASYS



ENVIRONMENTAL ENGINEERING LAB



CRED LAB (PTC INC, USA)



ROBOTIC LAB



FLUID MECHANICS & AIR CONDITIONING LAB



FLUIDSIM LAB (FESTO & JANATICS)



GNA AVIATION LAB



AERODYNAMICS LAB



PROJECT & INNOVATION LAB



COMMUNICATUIN SYSTEMS LAB



MICROCONTROLLER AND EMBEDDED SYSTEM LAB



ELECTRICAL & ELECTRONICS LAB

## SOME OF OUR TRAINING PARTNERS




# GU-IIC GNA UNIVERSITY'S INSTITUTION INNOVATION COUNCIL

Ministry of Human Resource Development (MHRD), Govt. of India has established Institution Innovation Council (IIC) to systematically foster the culture of Innovation amongst all Higher Education Institutions (HEIs). The primary mandate of IIC is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes during their course of study.

GNA University's Institution Innovation Council (GU-IIC) is established in 2018 and dedicatedly working towards organizing various MHRD's guided activities to enhance students' interest in various Hackathons and Innovations and entrepreneurship and startup. GU-IIC has awarded 3.5 stars for 2023-2024 activities by IIC. We have seven Innovation Ambassadors in the sectors of Design Thinking and Innovation, Entrepreneurship, Intellectual Property Rights and Startups appointed by MHRD.



GNA University's Institution innovation Council (GU-IIC), encourages, promotes and supports innovation and entrepreneurship amongst the students, staff and faculty members. The objectives of GU-IIC are:

- To centralize all the engineering projects and engineering clubs
- To nurture the startup and innovation culture in the university
- To impart knowledge about the latest technologies, Govt. schemes for startup, IP MC, etc through various events/seminars
- Student Startup Program for students/faculty and alumni
- To provide project guidance to distinct diploma colleges
- Mentoring ATAL Tinkering Lab projects for various schools.
- To build a vibrant startup ecosystem, by establishing a network between academia, financial institutions, industries and other institutes

**GU-IIC has registered a success in guiding various projects like lot base Home Automation System, E-Bike, Innovation in Go-Kart and many more**

## TEDX "BEST USE OF TECHNOLOGY IN HIGHER EDUCATION"



Proud moments for the GNA Family. GNA University Honoured with Prestigious TEDEX Award at TechnoXian Robotics World Cup 9.0-the world's largest robotics and technology championship under the category of " Best Use of Technology in Higher Education". The honour was presented by Mr. Wael Abbas, Ministry of Education, Iraq, & Mr. Raj Kumar Sharma, President - International Federation of E-Sports ( IFES ) and President AICRA (All India Council for Robotics & Automation) in the presence of academicians, innovators, and technology leaders from across the globe. The award was proudly received by Dr. C. R. Tripathy, Dean, School of Engineering, Design and Automation, on behalf of GNA University, and felicitation took place during the TechnoXian Robotics World Cup 9.0, supported by the Ministry of Electronics and IT and the Ministry of Youth Affairs and Sports, Govt of India, and hosted at the iconic Noida Stadium Complex. The event witnessed participation from 3000+ teams representing 60+ countries, bringing youth innovators along with educators, industry leaders, diplomats, and dignitaries

## BEST EMERGING UNIVERSITY IN INDIA AWARD

Big congrats to our university for receiving the prestigious "Best Emerging University in India Award" during 52nd ISTE National Annual Convention on PDA College of Engineering Kalaburagi (Karnataka). We're beyond proud of our innovative faculty and talented students who are shaping the future of education.



# GNA INNOVATIONS



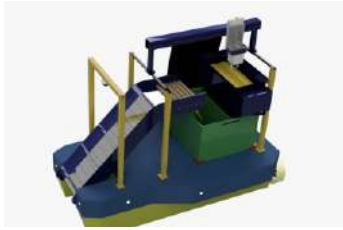
## Multi-Vegetable Transplanter



The SEDA-D team Brainiacs comprising of students of B.Tech. Mechanical and Automation Engineering (MAE) & B.Tech. Robotics and Automation Engineering (RAE), showcased their engineering prowess at the prestigious SAE INDIA Tifan- 24 competition held at MPKV Rahuri, Maharashtra in collaboration with industry giants John Deere and Mahindra, and saw fierce competition among 80 teams from across India in which the team Brainiacs made a mark with their innovative project an Automated Multi Vegetable Transplanter. Their ingenuity and hard work paid off as they clinched the runner-up trophy along with a cash prize of 1,40,000/-and also in the categories for being the Best Cost-Effective Machine

## Aquatic Debris Collector Boat

An aquatic debris collector boat, comprises a plurality of sensors integrated in different sections of boat that work in tandem to support real-time monitoring, and adaptive control of debris collection, sorting and processing, a debris lifting arrangement including a retractable rectangular frame to collect debris, a motorized conveyor belt with perpendicular flaps to retain debris, a debris storage container beneath conveyor belt with a meshed bottom and motorized tooth spreader to evenly distribute debris, a dedicated plastic storage compartment 107 divided into sections for storing different type of plastics, a plastic crusher with a rotary blade for grinding plastic materials, a three-cabinet collection unit for storing crushed plastic materials into respective cabinet, a revolving barreltype oil collector for separating oil from the water's surface



## Agridrone: Advanced Crop Monitoring and Pest Management

The Aerospace Engineering Department facilitates innovative projects like agridrone, a cutting-edge solution for precision agriculture. This drone integrates advanced imaging, sensors, and AI to monitor crop health, detect pest infestations, and optimize resource usage. It enhances yield, reduces pesticide overuse, and supports sustainable farming practices, transforming modern agriculture.

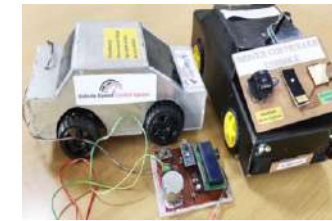
## Certified Cyber Security Trainer & Research

Harjinder Singh, a student of the SEDA-E department at GNA University, is pursuing a B.Tech in Computer Science Engineering with a specialization in Cybersecurity. He has developed innovative projects such as a Smart Ethical Hacking Device, which automates security assessments using AI-powered threat detection, a Secure RFID-Based Access Control System, and a Cyber-Physical Honeypot that simulates industrial control systems to analyze real-world cyber threats. Holding certifications like CEH, CompTIA Security+, Google Cybersecurity, and ISC2 CC, he has trained government agencies and excelled in CTF competitions, bridging cybersecurity with smart technology to drive innovation in digital defense.



## Robo Car

School of Engineering Design and Automation students have developed a Robo car and participated in various Robotics Championship events. Participation of the Robo car has won 1st prizes in the competition held at Pushpa Gujral Science City, Kapurthala & CGC Landra and won 2nd prize in the competition held at NIT Jalandhar, PEC Chandigarh, & Baba Farid College Bathinda.



## Vehicle Speed Control System

Vehicle Speed Control System is designed by ECE students to control the speed of the vehicle in specific zones to avoid the accidents in the low speed areas. IR Transmitters, IR Receiver, Node MCU, Motors, Infrared Sensors and Microcontroller based project can control and limit the mechanism speed of the vehicle which results in prevention of accidents.

## Gesture Controlled Electronic Bluetooth Speaker

This innovative project focuses on designing and implementing a gesture-controlled Bluetooth speaker, allowing users to control audio playback and volume through hand gestures. The System uses ultrasonic sensors for detecting gestures, an Arduino microcontroller for processing signals and a Bluetooth audio module to enable wireless connectivity. These signals are interpreted by the Arduino to execute commands like play/pause, volume adjustments and track navigation.



## Liquefaction Model

Department of Civil Engineering developed a liquefaction model designed to vividly depict the diverse impacts of lateral loading on various types of foundations.

## CLUB & ACTIVITIES



FINE ARTS CLUB



COMPETITION "DRAFTING DUEL"



VISIT TO MACHINEX EXPO



WORKSHOP ON 3D PRINTING



WORKSHOP ON REVERSE ENGINEERING



VISIT TO SML ISUZU



INDUSTRIAL TRAINING PROGRAM ON ENGINE MANAGEMENT SYSTEMS (EMS)



CIRCUIT MANIA



ROBOTICS CHAMPIONSHIP



INDUSTRIAL AUTOMATION: ENHANCING EFFICIENCY WITH PLC AND SCADA



SOLAR SYSTEM INTEGRATION WITH PLC AUTOMATION



GUEST LECTURE ON THE ROLE OF INNOVATION IN ENTREPRENEURSHIP

## GLIMPSES OF ENGINEERING, DESIGN & AUTOMATION



INNO TECH 2025



AUTODESK NATIONAL DESIGN CHALLENGE



BEST USE OF TECHNOLOGY IN HIGHER EDUCATION



3RD POSITION AT THE PRESTIGIOUS FANUC INDIA OLYMPIAD 2025



SMART INDIA HACKATHON



WINNER INDIA DESIGN WEEK 2025



MENTORING SESSION



WORKSHOP ON DIGITAL THEODOLIT



WORKSHOP ON "HANDS-ON CONCRETE MIX DESIGN AND TESTING"



COMPETITION ON "INNOVATIVE PROJECT PITCH"



GUEST LECTURE ON "WATER QUALITY MONITORING USING IOT AND ML"



GUEST LECTURE ON "REVOLUTIONIZING CONSTRUCTION WITH BUILDING INFORMATION MODELING (BIM) TECHNOLOGY"

## PROUD ALUMNI



I am Charnjit Kaur, graduated with a Bachelor of Technology (B.Tech) in Electronics and Computer Engineering degree from GNA University. University is not just about academic excellence but also about personal growth and industry readiness. The faculty members provided us with not only technical knowledge but also valuable insights into the practical aspects of our fields.

**Charnjit Kaur (Automation Systems as PLC Engineer)**



GNA University is the best choice for Cyber Security and Digital Forensics specialization, offering a comprehensive curriculum and practical training. Thanks to the university's excellent in-campus placement program, I secured a role at Cyint Technologies, where I am currently working with the Income Tax Department as a Digital Forensics Investigator. GNA University truly opens doors to incredible career opportunities.

**Debjit Mohapatra (Cyber Security)**



At GNA University, my journey has been one of self-discovery and growth. The vibrant campus and supportive professors have not only helped me excel academically but also guided me in shaping my future. It's more than just earning a degree – it's about finding my passion, exploring new opportunities, and growing every day.

**Simranjit Kaur (Cyber Security)**



My journey at GNA University has been an incredible blend of learning, growth, and innovation. Specializing in Cloud Computing, I have gained hands-on experience with cutting-edge technologies and industry-relevant tools, which have significantly enhanced my technical expertise.

**Shreya Sharma (Cloud Computing)**



My journey at GNA University has been an incredible experience that has shaped both my professional and personal growth. The dedicated guidance of my mentors and teachers played a pivotal role in helping me build strong technical skills and confidence. I am thrilled to share that, through the support of the Training & Placement Cell, I have successfully secured placement.

**Hardik (Civil Engineer)**



My experience at GNA University has been truly transformative. The university not only offers world-class education but also provides an environment that fosters innovation, creativity, and personal growth. The dedicated faculty, state-of-the-art infrastructure, and industry-oriented curriculum have equipped me with the skills and confidence to excel in my career.

**Pardeep (Civil Engineer)**



I am Manish Singh and I graduated with a Bachelor of Technology (BTech) in Electronics and Computer Engineering degree from GNA University. I got placed in "Diligentic Infotech Pvt Ltd" as Associate software Engineer. I am really thankful of our University and placement cell for supporting and providing us opportunities to learn interview skills, communication skills and guiding us in placements.

**Manish Singh (Diligentic Infotech Pvt Ltd" as Associate software Engineer)**



When I completed my diploma then I was searching for good job in the field of designing then I decided to join GNA University is the perfect place for the design field CAD/CAM for future. Accordingly to the feedback I joined faculty of design and Innovation at GNA University in B.Tech Mechanical and Automation. During my graduation I was selected by EDS Technologies who is platinum partner of Dassault Systèmes France.

**Ramit Singh (R & D Digital Solutions Specialist)**



I want to thank GNA University for providing me great knowledge and industry oriented skills. I always want to be a Design engineer in a well reputed organisation. So I joined B.Tech Mechanical Automation Engineering in GNA University. During my graduation I done lot of design projects under the guidance of Dr. C.R. Tripathy Dean Sir and all faculty members.

**Mukesh Kumar (Senior Product Design Engineer at KGO Global)**



My journey at GNA University has been an incredible experience that has shaped both my professional and personal growth. The dedicated guidance of my mentors and teachers played a pivotal role in helping me build strong technical skills and confidence. I am thrilled to share that, through the support of the Training & Placement Cell, I have successfully secured placement.

**Yamini Goel (E-II Design QC at Pearce Services)**

# SOME OF OUR PLACEMENTS



**BHAWISH SHARMA**  
NEWERA



**DIVYANSHU BAKSHI**  
Cogni



**AADARSH RANA**  
Rico



**DHEER VERMA**  
Cogni



**MS. RAVEENA**  
SUPRO



**SHIVAM SOOD**  
TUMAP



**PANKAJ KUMAR**  
Chait



**NAGESHWAR PANDEY**  
Jungleworks



**PARDHA SARADHI**  
Solitaire Infosys



**GURPRINCE SINGH**  
FENTHARA TECHNOLOGIES



**ABHISHEK**  
HEROECOTECH



**RAJVEER SINGH**  
Wonder SYSTEMS



**MANISHA**  
SUNALING



**PARKAL BHIMESHWAR**  
NTF GROUP HOLDING



**SANYAM SONI**  
RALSON



**KANAPARTHI PREM GLADSTONE**  
TCS



**AMAN KUMAR SINGH**  
PEARCE



**SIMRANJIT SINGH**  
TCS



**SAPREET KAUR**  
ping



**AASHISH**  
apply



**SAPREET KAUR**  
wipro



**KOMMINENI GANESH KARTHIK**  
Mphasis



**KAJOL**  
सती



**GOURAV KUMAR**  
XenonStack



**SRISHTI GOYAL**  
SafeLeon



**KRISHNA KUMAR**  
encap



**MUNGANDA PAVAN KUMAR**  
Infosys



**TRISHNA**  
CONNECT



**GURPREET SINGH**  
BIJLI



**SAHIL KUMAR**  
PEARCE SERVICES



**SURUCHI**  
Athenasoft



**MANPREET SINGH**  
MOVIDU



**JAUJRJENA PARMAR**  
CONNECT



**DEBJIT MOHAPATRA**  
CYFAT TECHNOLOGIES



**AISHMEET SINGH**  
FANUC



**MS. HEPISBA EDA**  
Cogni



**ANUPOJU NAGABHUSHANAM**  
Cogni



**PRACHI**  
shine design



**JANVI**  
shine design



**BRYAN RAI**  
Leverage

## 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 procedures 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)

# 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)		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 Technology (CAD/CAM)	2 Years	B.Tech Mechanical Engg. of Allied Streams	63,000
2.	Post Graduate	Master of Technology- Civil Engineering	2 Years	B.Tech Civil Engg. or allied streams	63,000
3.	Post Graduate	Master of Technology- Computer Science Engineering	2 Years	B.Tech CSE or allied streams	63,000
4.	Post Graduate	Master of Technology-Electronics and Communication Engineering	2 Years	B.Tech Electronics and Communication Engg. or allied Streams	63,000
5.	Graduate	Bachelor of Technology- Aerospace Engineering	4 Years	10+2 Non-Medical	1,00,000
6.	Graduate	Bachelor of Technology- Civil Engineering	4 Years	10+2 Non-Medical	1,00,000
7.	Graduate	Bachelor of Technology- Computer Science Engineering	4 Years	10+2 Non-Medical	1,00,000
8.	Graduate	Bachelor of Technology- Computer Science Engineering (Full Stack Development, Cloud Computing, Cyber Security, Artificial intelligence & Machine Learning)	4 Years	10+2 Non-Medical	1,26,000
9.	Graduate	Bachelor of Technology- Electronics and Communication Engineering	4 Years	10+2 Non-Medical	1,00,000
10.	Graduate	Bachelor of Technology- Electronics and Computer Engineering	4 Years	10+2 Non-Medical	1,00,000
11.	Graduate	Bachelor of Technology- Mechanical and Automation Engineering	4 Years	10+2 Non-Medical	1,00,000

12.	Graduate	Bachelor of Technology- Robotics and Automation Engineering	4 Years	10+2 Non-Medical	1,00,000
13.	Graduate	Bachelor of Design	4 Years	10+2 Any Stream	1,00,000

## SINGLE GIRL CHILD / ONLY GIRL SIBLINGS

\*If student is not eligible for meritorious scholarship, then above category of scholarship will be applicable.

15% of tuition fee

## CORPORATE EMPLOYEE SCHOLARSHIP\*

GNA Employee

Additional 5% of tuition fee in First Semester Only

## SIBLING SCHOLARSHIP\*

Sibling Scholarship

Additional 5% of tuition fee in All Semesters

## SPORTS 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

