



Graphic Era
Deemed to be University
DEHRADUN

APPLY NOW



DEPARTMENT OF ELECTRICAL ENGINEERING

Programs Offered —

- * **B.Tech** in Electrical and Computer Engineering
- * **B.Tech** in Electrical and Computer Engineering with specialization in Electrical Vehicle
- * **M.Tech** in Electric Vehicle Technology
- * **PhD Program**

BROCHURE 2026-27

About the University

A Legacy of Excellence

Founded by Prof. (Dr.) Kamal Ghanshala with a vision to transform youth through quality education, Graphic Era began its journey in 1993 and evolved into Graphic Era Institute of Technology (GEIT) in 1997. In 2008, it was granted Deemed to be University status by the Government of India.

Today, Graphic Era stands as a NAAC 'A+' accredited university, ranked 52nd in Engineering, 52nd in Management, and 48th in the University Category by NIRF, Ministry of Education. With 6 NBA-accredited programs, the university fosters an industry-academia partnership through collaborations with Tata Technologies and IBM and hosts a DST-sponsored Technology Business Incubator for startups.

With global academic partnerships and student exchange programs across US, Europe, Australia, and Asia, Graphic Era provides a world-class learning experience. Its alumni shine at Apple, Google, Microsoft, HSBC, TCS, Wipro, Infosys, and the Indian Armed Forces, shaping the future with innovation and excellence.

Be a part of this legacy!



Welcome to the Department of Electrical Engineering

If you are passionate about engineering and aspire to be part of an innovative academic community, we invite you to join us. Our department is dedicated to providing cutting-edge education, blending practical and theoretical learning, guided by expert faculty from IITs, NITs, and renowned universities.

We focus on nurturing creative, analytical, and industry-ready professionals through a curriculum that integrates the latest technologies, research skills, and professional competencies. Our faculty actively contributes to research and collaborates with students on projects that shape the future of electrical engineering.

At GEU, you will gain the knowledge, hands-on experience, and industry exposure needed to excel in the evolving world of technology.

Join us and power your future with innovation and excellence!

Our Department

Vision: To produce globally effective, socially responsible, innovative Electrical Engineers of high quality and ethics, who can contribute to the needs of the society in diverse fields through professional competence, research ability, and leadership.

Mission:

M1: Equip students with requisite technical knowledge and skills, to motivate for meaningful learning, useful to the societal needs.

M2: Produce electrical engineers with strong base, clear thoughts, strong theoretical/analytical foundation, and articulation needed to generate quality professionals in diverse societal and industrial applications.

M3: Establish adequate laboratory facilities for oriented research.

Key Facts & Achievements

Rankings

#48 University Category

#52 Engineering Category

#52 Management Category



Source: **NIRF 2025 Ranking**
Ministry of Education,
Govt. of India

#41 Sustainability Rank in India

#138 Southern Asia 2026

Diamond

I-Gauge Rating



#02 in India for Research Quality

#601-800

World University Ranking



World University Rankings 2026

Startups

₹500+ Cr

Valuation of Startup's

100+

Incubated Startups

90+

Startups Recognised

1000+

Interns Enrolled

8000+

Beneficiaries in 2025

Accreditations

NAAC A+

Grade Accredited



Source: National Assessment & Accreditation Council (NAAC)

UGC, AICTE, BCI, NMC, INC

Programs approved by University Grants Commission (**UGC**), All India Council for Technical Education (**AICTE**), Bar Council of India (**BCI**), National Medical Commission (**NMC**), and Indian Nursing Council (**INC**)



06 NBA

Courses Accredited

The only University in the region to have **B.Tech (CSE, ECE, ME, CE, Biotechnology)** and **MBA** accredited by NBA



Source: National Board of Accreditation (**NBA**)

Academic Snapshot

900+ Distinguished Faculty Members

14K+ Students

22 Departments (8 Engineering & 14 Non-Engineering)

100+ Programmes

Research & Innovation

Top 2%

34 faculty members of Graphic Era University included in Stanford-Elsevier-list.

₹2648.99 Lac

Research Project Funding from leading government agencies including DST, DBT, SERB, CSIR, UCOST, MoEF&CC and ISRO.

₹3472.17 Lac

Consultancy Project Funding

15500+

Research Publications

240+

Patents Granted

2100+

Patents Published

Courses Offered

Bachelor of Technology in Electrical & Computer Engineering

This program combines electrical engineering with computing fields like AI, IoT, and smart grids, equipping students with hardware-software expertise and preparing them as industry-ready professionals.

Duration —

4 Years/ 8 Semesters

Eligibility —

Candidates must have passed Class XII with Physics, Mathematics, and Chemistry.

B.Tech in Electrical & Computer Engineering with specialization in Electrical Vehicle

This program blends electrical engineering principles with specialized knowledge in electric vehicle technology, including battery systems and energy management.

Duration —

4 Years/ 8 Semesters

Eligibility —

Candidates must have passed Class XII with Physics, Mathematics, and Chemistry.

Career Prospects

Graduates of B.Tech in Electrical Engineering can pursue diverse career paths across various industries:

- ✔ Electrical Design Engineer
- ✔ Power Systems Engineer
- ✔ Embedded Systems Engineer
- ✔ IoT Solutions Architect
- ✔ Automation & Control Engineer
- ✔ AI/ML Engineer
- ✔ Data Analyst
- ✔ Cybersecurity Engineer
- ✔ Cloud Computing Specialist
- ✔ Software Developer (IoT, AI, VLSI, etc.)

Career Prospects

Graduates can enter the rapidly growing electric vehicle (EV) sector with career options such as:

- ✔ Design Engineer
- ✔ Systems Engineer
- ✔ Research Scientist

M.Tech in Electric Vehicle Technology

This program provides an in-depth understanding of the interdisciplinary aspects of electric vehicle (EV) technology, integrating key areas such as power electronics, battery management systems, energy storage, and sustainable transportation solutions.

Duration —

2 Years/ 4 Semesters

Eligibility —

B.Tech in relevant disciplines like Electrical, Mechanical, or Automotive Engineering.

Ph.D. in Electrical Engineering

This doctoral program offers a platform for advanced research and innovation in electrical engineering, enabling scholars to explore and develop groundbreaking solutions in areas such as power systems, robotics, renewable energy, smart grids, and control systems.

Duration —

Varies

Eligibility —

A master's degree in electrical engineering or a related field with a strong academic record.

Career Prospects

Graduates of this program are well-prepared for advanced roles in the EV industry, including:

- ✔ Engineering and Design
- ✔ Manufacturing and Production
- ✔ Software Development
- ✔ Sales and Marketing
- ✔ Maintenance and Support

Major Recruiters



ATHER **OLA** ELECTRIC



Panasonic **EXIDE**

exicom **ABB**

BOSCH **SIEMENS**

Meet Our Experts

Name	Designation	Qualification	Area of Expertise
Dr. P. Thakur	Professor & Head	Ph.D	Power Systems, Power Quality, Renewable Energy
Dr. Fahim Ansari	Professor	Ph.D	Power System, Renewable Energy, High Voltage applications for food preservation, Solar Energy
Dr. Sandeep Gupta	Associate Professor	Ph.D	Control & Power Systems with AI Techniques, FACTS Devices
Dr. Mohit Bajaj	Associate Professor	Ph.D	Renewable Energy sources, Electric Vehicles, Distributed Generation, Power Quality, and Smart Grid
Dr. Ankit Bhatt	Associate Professor	Ph.D	Hybrid Energy System, Machine Learning, Battery Management System, Optimization Techniques
Dr. Nikita Rawat	Assistant Professor	Ph.D	Renewable Energy, Power Quality
Dr. Shweta Goyal	Assistant Professor	Ph.D	Renewable Energy
Dr. Surya Kant	Assistant Professor	Ph.D	Power Electronics and Drives, Electric Vehicle
Dr. Rituraj Singh Patwal	Assistant Professor	Ph.D	Hybrid Energy Systems, Power System Optimization · Smart Grid and Clean Energy
Dr. Sanjay Dhanka	Assistant Professor	Ph.D	Artificial Intelligence, Machine Learning, Deep Learning, Material Science, Biomedical Engineering
Ms. Niharika Varshney	Assistant Professor	M.Tech, Ph.D (P)	Hybrid Energy Systems, Renewable Energy, Power Quality
Mr. Ashutosh Dixit	Assistant Professor	M.Tech, Ph.D (P)	Power Systems, Power Quality, Renewable Energy
Ms. Prateeksha	Assistant Professor	M.Tech, Ph.D (P)	Power Quality, Power System
Dr. M.L. Dewal	Adjunct Professor	Ph.D	Instrumentation and Signal Processing
Dr. Hasmat Malik	Adjunct Professor	Ph.D	Artificial Intelligence, Machine Learning, Intelligent Data Analytics

Successful Career Paths

Student Placements and Achievements



Suraj Joshi
B.Tech EE



₹21.40L



Samman
B.Tech EE



₹16.67L



Jesika Nautiyal
B.Tech EE



₹12.00L



Vedika Tomar
B.Tech EE



₹12.00L



Mahima S. Chauhan
B.Tech EE



₹12.00L



Akashjyoti Dutta
B.Tech EE



₹8.00L



Palvi Sharma
B.Tech EE



₹8.00L



Jatin Chaudhary
B.Tech EE



₹8.50L



Ayush Kumar Singh
B.Tech EE



₹7.50L



Sudhanshu Uniyal
B.Tech EE



₹7.50L



Priya Saini
B.Tech EE



₹7.50L



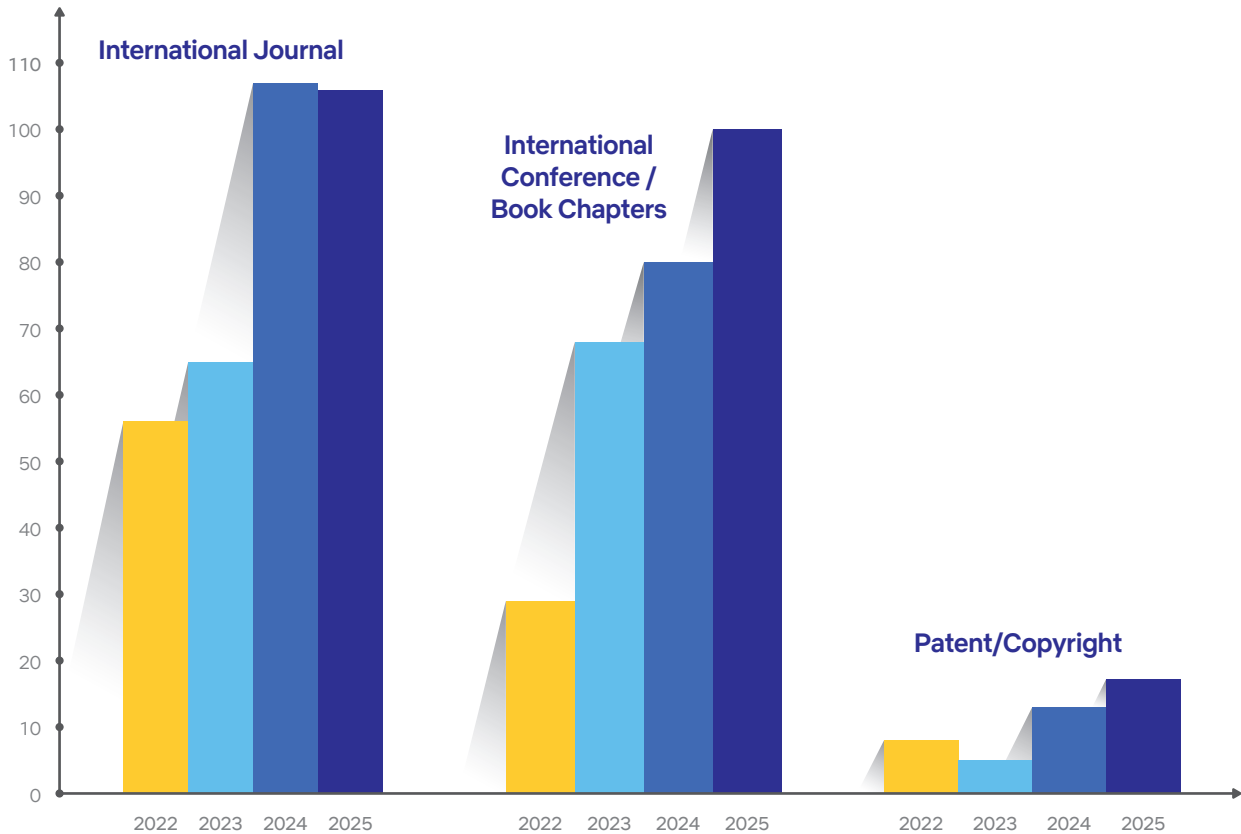
Sanjana Nautiyal
B.Tech EE



₹7.50L

Innovations and Milestones

Research Publications/Patents Highlights



Faculty Achievements

Awards and Honours

- Recipients of multiple Research Excellence Awards and mentoring recognitions, such as the Edureka Ridiculously Committed Mentor Award.
- Awarded the Bharat Vikas Award for excellence in Control Engineering and FACTS Devices.
- Research Excellence Award by UCOST and 'Rising Women Uttarakhand, 2025' Award by Times of India.
- Ranked among the World's Top 2% Most Influential Scientists List for the Years 2021, 2022, 2023, 2024 and 2025 by ICSR Lab, Elsevier B.V., and Stanford University, U.S.A.

Scholarships and Fellowships

- Faculty have been awarded prestigious international scholarships, such as the Bangkok Scholarship for pursuing Ph.D. studies at the Asian Institute of Technology, Thailand, and the CONACYT Mexican International Scholarship (2019-2023) for Ph.D.
- Nationally, faculty members have secured Institute Fellowships from the Ministry of Human Resource Development, during their postgraduate and doctoral studies.

Esteemed Editorial Connections

- IEEE Access, IEEE
- Scientific Reports, Springer
- Discover Applied Science, Springer
- PLOS ONE
- Frontiers in Smart Grids
- Guest Editor, Energies

Professional Engagement

- IEEE Access, IEEE
- Convener, IEEE SIGHT, UP SECTION (2019-20)
- Co-convener, ICETCT 2016 (IEEE Conference)
- Member, IEEE SIGHT (2018-19)
- Member, IEEE Executive Committee, UP Section. (2018-2020)
- Senior Member, IEEE
- Member, IEEE Young Professionals
- Life member of SESI, India
- Member, International Association of Engineers
- Life member of Institution of Engineers (India)
- Professional membership of Institute of Doctors Engineers and Scientists
- Member of IAENG-Hong Kong
- Associate Member, UACEE USA

Organization of Technical Activities

- Played leading roles in organizing international conferences, such as CISCT 2026, ISTEMS 2024, CISCT 2023, CISCT 2022 and RIEECS 2017.



Paths to Excellence

Students Advancing to Higher Studies

Students Selected for Higher Study at Reputed Institutions

Name of Student	Name of University/Institute Selected for Higher Studies	Name of Program Selected	Batch
Priyaranjan Kumar	NIT, Durgapur	M.Tech	2021-25
Tushar Gairola	NIT, Rourkela	M.Tech	2019-23
Suraj Joshi	Indian Institute of Technology Delhi, India	M.Tech	2019-23
Ritu Raj	Politecnico di Milano, Milano Leonardo Campus	M.Sc. in Electrical Engineering	2016-20
Pratishtha Bhasin	Trent University, Canada	Management Graduate Program	2018-22
Shivesh Tripathi	Politecnico di Milano, Milano Leonardo Campus	M.Sc. in Electrical Engineering	2015-19
Utkarsh Jadli	Griffith University, Brisbane, Australia	Ph.D	2011-15



Our Esteemed Alumni



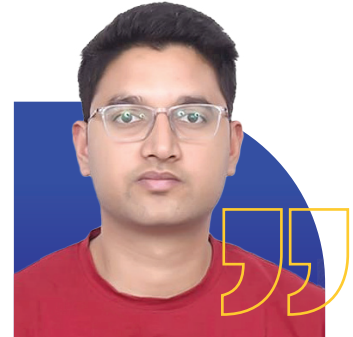
Sunny Chugh
Batch 2011

The B. Tech in Electrical Engineering program at Graphic Era University was a transformative journey for me. The curriculum is not just academically rigorous but also incredibly practical, with hands-on projects and real-world applications that prepared me for my career. The supportive faculty and state-of-the-art labs made all the difference!



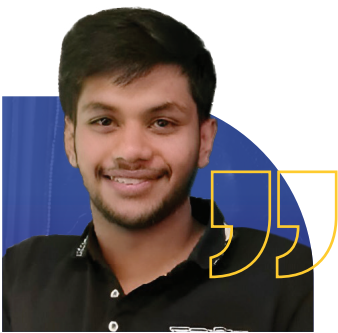
Garvit Upreti
Batch 2018

Pursuing my B. Tech in Electrical Engineering at Graphic Era Deemed to be University was one of the best decisions of my life. The blend of theory and practical exposure gave me a strong foundation to excel. Guidance from experienced faculty and internships set me on the path to success. I owe my achievements to the enriching environment at Graphic Era!



Suraj Joshi
Batch 2023

My time in the department was transformative. The curriculum's adaptability allowed me to dive deep into core as well as elective subjects, aligning perfectly with my career goals. The mentors' personalized guidance and genuine care for student development made all the difference.



Ahad Ahmed
Batch 2024

The emphasis on both theoretical and practical knowledge in the Department of Electrical Engineering has been remarkable. The exposure to industry through expert lectures and industrial visits prepared me to tackle real-world challenges with confidence.



Jesika Nautiyal
Batch 2025

What I love most about the program is its focus on industry-relevant skills. From IoT workshops to industrial visits, every experience has helped me understand how electrical engineering concepts apply in the real world. The faculty is always approachable and encourages innovation.



Samman
Batch 2025

The department's focus on emerging technologies like renewable energy and electric drives gave me a competitive edge in the job market. The interdisciplinary approach and support from the placement cell were pivotal in landing my dream job.

Exciting Initiatives

Recent Departmental Activities

International Conferences

- Conference on Innovative Sustainable Computational Technologies (CISCT 2026)
- International Conference on Innovative Sustainable Technology for Energy, Mechatronic and Smart System (ISTEMS 2024)
- Conference on Innovative Sustainable Computational Technologies (CISCT 2023)
- Conference on Innovative Sustainable Computational Technologies (CISCT 2022)

Expert Lectures

- Renewable Energy Integration in Smart Grid Environment by Dr. Ramesh Bansal, Professor, Department of Electrical Engineering, University of Sharjah, UAE.
- Solar PV Generation System and its Challenges by Dr. M. Rizwan Khan, Professor, Department of Electrical Engineering, Aligarh Muslim University (AMU), Aligarh
- Characterisation of Instrumentation Systems and Sensor-Based Condition Monitoring of Oil Immersed Transformer by Dr. Shakeb Khan, Professor, Department of Electrical Engineering, Jamia Millia Islamia.
- Energy Transition for Net Zero: Challenges and Remedies by Dr. Atif Iqbal, Professor, Department of Electrical Engineering, Qatar University.
- Electric Vehicles: Challenges and Future by Dr. J. G. Singh, Associate Professor and Head, EECC Department, Asian Institute of Technology, Bangkok, Thailand.

Community Service Activities

- Tree Plantation Drive
- Cleanliness Drive
- Solar Energy Awareness Campaign

Industrial Visits

- Hydro Power Plant, Dhalipur, UJVNL
- Eureka Forbes Industries, Lal Tappar
- 132 kV Substation, Majra
- Airforce Station, Saraswa
- NIELIT
- Khodri Power Plant, DakPathar
- Finolex, Roorkee
- ONGC Dehradun
- 144 MW Chilla Hydropower Plant

Hands on Workshops

- Workshop on Embedded Systems and IoT Implementation
- Introduction to IoT: Exploring the Future of Connected Devices
- Electrical Circuit: Design and Prototyping
- IoT using Arduino
- Circuit designing and electrical wiring
- Introduction to Artificial Intelligence and Machine Learning using Python
- Introduction to Python and IOT

Alumni Interactions

- The Entrepreneurial Mindset by Mr. Pulkit Garg
- Strategies for Effective GATE Preparation by Mr. Suraj Joshi.
- Sustainability: Why We Need a Green Vision by Mr. Pankaj Kargeti.
- Understanding the Concept of Sustainability in Organizations by Ms. Somya Gandhi Chauhan.
- From Challenges to Triumph: A Motivational Journey by Mr. Nirbhay Singh Beniwal.
- Exploring Boundless Horizons: Pursuing Higher Education Abroad with Scholarships by Ms. Pratishtha Bhasin.



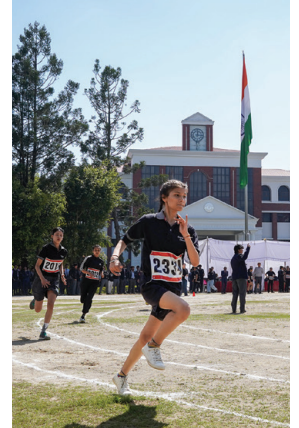
Clock-wise from top left: Exploring Hydro Power – Industrial visit to Hydro-Power House, Dhakrani; Solar Energy Awareness Drive; Hands-on Learning – Students conducting experiments in the department; Insights on Future Power Systems – Guest lecture by Prof. (Dr.) Kailash Srivastava; Industry Exposure – Industrial visit to ONGC, Dehradun; Expert Perspectives – Lecture by Prof. (Dr.) Mohan C. Joshi.





Beyond Classrooms

Where Every Event Tells a Story



Join us in 2026!



Career Counselling Services

The Department of Electrical Engineering equips students with the guidance, skills, and opportunities needed for career success. Our Career Counseling and Professional Development Services prepare them for every stage of their professional journey.

Domain-Specific Mentorship

We have dedicated Chair Heads for Marketing, Finance, and Human Resources, providing students with:

- Expert Mentorship
- Counseling Support

Professional Development Program (PDP)

Placement Support

Our Placement Department plays a vital role in shaping students' careers by providing:

- Support for Summer Internships (SIP) and Final Placements
- Internship Guidance

Alumni Mentorship

Graphic Era Common Entrance Test (GECET)

Scholarship upto

₹100  Cr

Unlock up to 100% scholarships with GECET – Graphic Era Common Entrance Test.

Secure your admission & financial support for a brighter future!

Apply Now – gecet.geu.ac.in



Scholarships & Support Benefits

Upto

 **100%** Scholarship based on 12th or UG marks

 **10%** Scholarship to the Girl Candidates

 **05%** Scholarship to the children of Defense Personnel

 **05%** Scholarship to the Sport Person (National Level)

 **7.5%** Current Sibling Student Scholarship


 **05%** Passed out Sibling Student Scholarship

 **10%** Alumni Loyalty Scholarship


 **10%** Single Parent Scholarship (COVID Case)

 **05%** Single Parent Scholarship (Normal Case)

 **05%** Yearly Payment of Fees

 All students are covered under a comprehensive health insurance plan.

 Medical services are provided through the state-of-the-art Graphic Era Hospital.

 Student loan facilities are available to support financial needs.

Student Facilities & Engagement



Well-equipped and comfortable hostel facilities



Efficient transportation services



Extensive sports facilities



Free student uniform



Vibrant student clubs and extracurricular activities



Multiple hygienic and student-friendly cafeterias



Green, eco-friendly campus environment



ICT-enabled smart classrooms



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GET IN TOUCH

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