



Graphic Era
Deemed to be University
DEHRADUN

APPLY NOW

A woman wearing a white hard hat and a blue work uniform is focused on working on a mechanical engine. She is holding a silver laptop in her left hand and using a tool in her right hand. An orange robotic arm is positioned above the engine, appearing to be in the process of working on it. The background is a dark blue with faint circular patterns.

DEPARTMENT OF MECHANICAL ENGINEERING

Programs Offered —

- * **B.Tech** Mechanical Engineering (ME)
- * **B.Tech** ME Hons. (Robotics & Automation)
- * **B.Tech** ME Hons. (Automobile)
- * **B.Tech** ME for Working Professional
- * **Ph.D** with Relevant Field

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 Message by Head of the Department

Welcome to the Department of Mechanical Engineering at Graphic Era Deemed to be University, a hub of academic excellence and innovation. Our vision is to gain regional, national, and international recognition by nurturing creative, ethical, and environmentally conscious engineers. We focus on leadership in mechanical engineering through quality education and impactful research. With accomplished faculty and state-of-the-art facilities, we prepare students to excel in a dynamic world. Join our vibrant community, where academic rigor meets real-world application, shaping a sustainable and prosperous future.

Our Department

Vision: The vision of the department is to be regionally, nationally and internationally recognized in providing Mechanical Engineering education, leading to well qualified Engineers who are Creative, Ethical, Environmental friendly, Self-esteemed and successful in Research.

Mission: The mission of the department is to educate, prepare, inspire, and mentor students to excel as professionals at both the undergraduate and graduate levels for leadership roles in the fields of mechanical engineering and to conduct research for the benefit of society.

M1: Imparting quality education to the students and enhancing their skills to make them globally competitive engineers.

M2: Maintaining vital, state-of-the-art research facilities to improve its students and faculty with opportunities to create, interpret, apply and disseminate knowledge.

M3: To develop linkages with world class R&D organization and educational institutions in India and abroad for excellence in teaching, research and consultancy practices.

M4: To produce ethical, motivated and competent engineers capable of solving current problems and envisaging and developing new technologies beneficial to society.

Key Facts & Achievements

RANKINGS

#48 University Category

#52 Engineering Category

#52 Management Category



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

#02 in India for Research Quality

#03 in India for Engineering

#04 in India for Life Sciences

#04 in India for Business & Economics

#16 in India for Computer Science

#645

World University Ranking



World University Rankings 2026

#41 Sustainability Rank in India

#138 Southern Asia 2026

Diamond

I-Gauge Rating



WORLD UNIVERSITY RANKINGS

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**)

STARTUPS

₹500+ Cr Valuation of Startup's

100+ Incubated Startups

90+ Startups Recognised

8000+ Beneficiaries in 2025

1000+ Interns Enrolled

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

Under Graduate Courses

- ⚙️ B.Tech Mechanical Engineering
- ⚙️ B.Tech Mechanical Engineering (Hons.) - (Robotics and Automation)
- ⚙️ B.Tech Mechanical Engineering (Hons.) - (Automobile)

Eligibility —

All interested candidates should have passed Class XII from a recognized board of examination with Physics, Mathematics, and Chemistry or equivalent or as per AICTE guidelines.

- ⚙️ B.Tech Mechanical Engineering for Working Professional

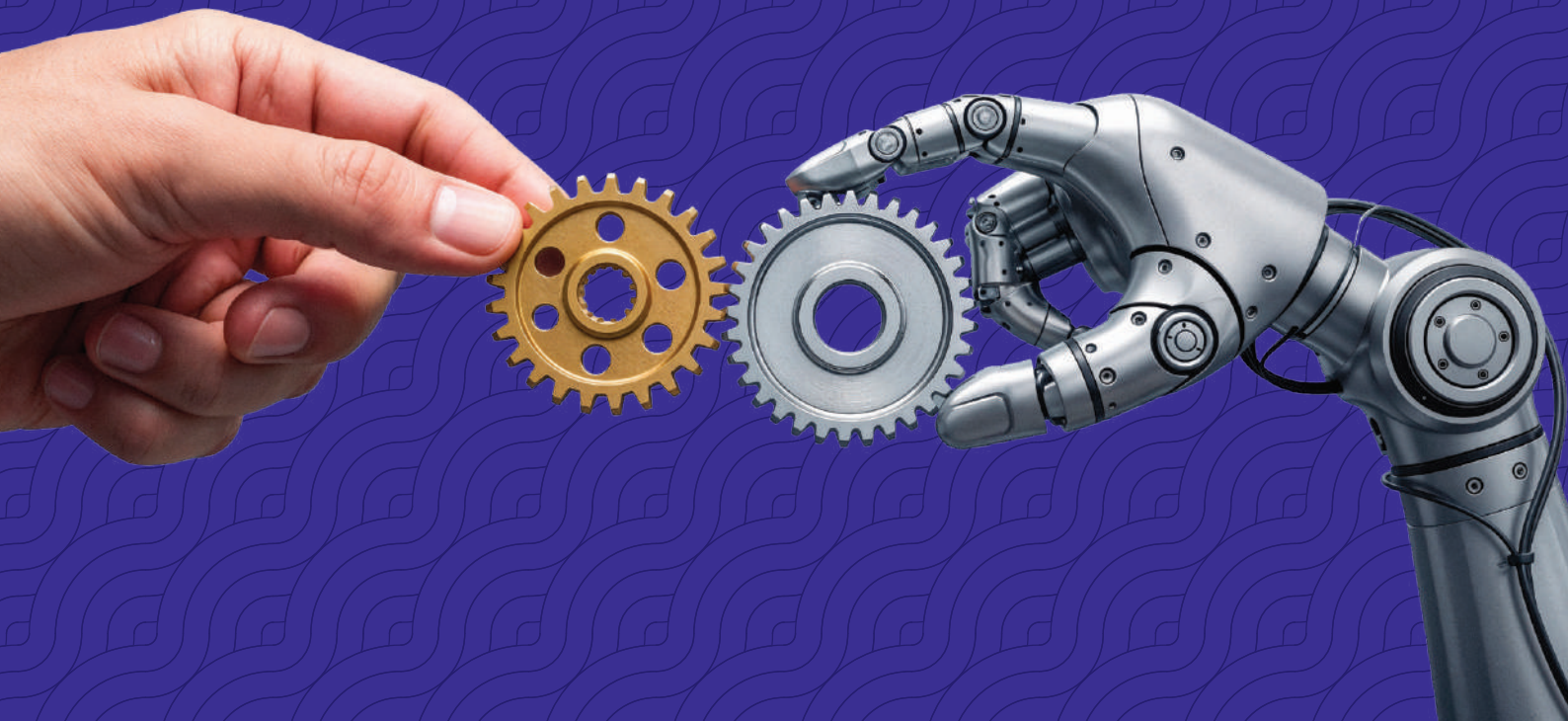
Eligibility —

Pass a 3-year engineering diploma. Classes will be evening based 6PM to 10 PM Monday to Friday and Saturday full day.

PhD with Relevant Field

Eligibility —

Master's Degree from any AIU/UGC/AICTE recognized University/ Institutions or any other qualification recognized as equivalent thereto in the fields of study notified from time to time by the University.



Opportunities After Engineering



Core Mechanical Fields

Opportunities in automotive, aerospace, thermal power, HVAC, and robotics, focusing on design, manufacturing, and quality control.



Interdisciplinary Fields

Scope in biomedical engineering, data analytics, and mechatronics, merging mechanical expertise with emerging domains.



Manufacturing & Production

Roles in production engineering, tool & die making, and quality assurance to optimize manufacturing processes.



Government Sector

Opportunities in PSUs (BHEL, NTPC, IOCL), Indian Railways, DRDO, and ISRO in design, maintenance, and R&D.



Research & Development (R&D)

Innovation in materials, manufacturing, thermal, and industrial design, with opportunities in government and private R&D labs.



Higher Education & Certifications

Advanced studies (M.Tech, PhD, MBA) and skill enhancement through ANSYS, CATIA, Six Sigma, PMP certifications.



Emerging Technologies

Careers in 3D printing, renewable energy, IoT, and smart systems for industrial advancements.



Global Opportunities

High demand for mechanical engineers in Germany, Canada, USA, Japan, and Australia.



Entrepreneurship

Starting ventures in manufacturing, robotics, renewable energy, and consultancy.



Infrastructure and Facilities



- ✔ **State-of-the-art labs:** Well-equipped labs for robotics, mechatronics, CAD/CAM, and computational fluid dynamics.
- ✔ **Advanced manufacturing facilities:** 3D printing, CNC machining, and laser cutting facilities.
- ✔ **Mechanical workshop:** Fully equipped workshop for hands-on training and project development.
- ✔ **Research centers:** Established research centers for renewable energy, robotics, and advanced manufacturing.



- ✔ **Industry collaborations:** Partnerships with leading industries for joint research projects and internships.
- ✔ **Innovation incubator:** Dedicated space for students to develop and incubate their innovative ideas in any of our lab simulation labs can also be included.
- ✔ Advanced ML-AI based innovations, projects and skill development courses.
- ✔ Active clubs for robotics, racing, and innovation, annual technical festivals with competitions, workshops, and guest lectures, Regular industrial visits and tours to provide hands-on experience.





⚙️ **Advance Manufacturing Center:** The Advanced Manufacturing Center focuses on developing and implementing cutting-edge production technologies like automation, robotics, 3D printing, and smart factory systems.

⚙️ **Mechatronics Center:** The Mechatronics Center is dedicated to the integration of mechanical engineering, electronics, computer control, and software into complex systems.

⚙️ **Tear Down and Bench Marking Center:** The Tear Down and Bench Marking Center systematically disassembles competitor products or existing designs to thoroughly analyze their components, materials, manufacturing costs, and performance.

⚙️ **Visualization Center:** The Visualization Center utilizes advanced hardware and software (like virtual reality, augmented reality, and large-scale displays) to create immersive, interactive visual models and simulations of products, processes, or data.



Meet Our Experts

Name	Designation	Qualification	Area of Expertise
Dr. Kapil Kumar Sharma	HOD	Ph.D (IIT Roorkee) M.Tech B.Tech	CFD, Continuous Casting Modelling, Composites, Thermal Engineering Software Proficiency: CFD Simulation, Ansys, MATLAB, SolidWorks, Creo, AutoCAD, Solid Edge
Dr. Desh Bandhu Singh	Professor	Ph.D (IIT Delhi) M.Tech B.Tech	Thermal Engineering, Development of solar systems (Listed in top 2% scientists and researchers list provided by Stanford University California)
Dr. Rakesh Chandmal Sharma	Professor	Ph.D (IIT Roorkee) M.Tech	Rail Vehicle Dynamics, Machine Design, Mechanical Vibrations (Listed in top 2% scientists and researchers list provided by Stanford University California)
Mr. Amir Shaikh	Professor	Ph.D (P) (GEU) M.E, B.E	Biomechanics, Prosthetics
Dr. Ashwani Kharola	Associate Professor	PDF, Ph.D (GEU) M.Tech B.Tech	Soft-Computing Techniques, Nonlinear Systems, Control Theory, Machine Learning.
Dr. Brijesh Prasad	Associate Professor	Ph.D (GEU) M.Tech B.Tech	Polymer Sensors & Actuators, Composites, Water Treatment
Dr. Manvandra Kumar Singh	Associate Professor	Ph.D (IIT BHU) M.Tech B.Tech	Composites and Hybrid Composites (MMCs), Tribology, Bio-Tribology Advanced Materials, Nano-Materials Synthesis and characterizations of Materials
Dr. Pravat Ranjan Pati	Associate Professor	Ph.D (NIT Rourkela) M.Tech B.Tech	Waste management, Materials Engineering, Composites, Surface Coating, Tribology
Dr. Gagan Bansal	Assistant Professor	Ph.D (IIT BHU) M.Tech MBA, B.Tech	Biocomposite materials, Biotribology, Advanced composite material, Biomedical Applications, Synthesis and Characterization of composites, ML & AI, Advanced computational analysis, waste management, surface modification and hydrophobic/ hydrophilic coating.
Dr. Gopal Ji	Associate Professor	PDF, Ph.D (IIT BHU) M.Tech B.Tech	Corrosion Inhibitors Green, Natural, and waste natural materials for corrosion inhibition, Anti-corrosive coatings, Surface Engineering Wear and corrosion testing of Composites Synthesis and application of Nanocomposites
Dr. Vineet Kumar	Assistant Professor	Ph.D (IIT BHU) M.Tech B.Tech	Tribology, Surface topography. Materials, Advanced Composite Manufacturing, High Temperature casting

Name	Designation	Qualification	Area of Expertise
Dr. Lalit Ranakoti	Assistant Professor	Ph.D (NIT Uttarakhand) M.Tech B.Tech	Natural fiber biopolymer composite characterization for automotive and marine applications. Blending of biopolymers for properties enhancement. Thermal energy storage material for water treatment. Heat transfer in microchannels
Dr. Narendra Gariya	Assistant Professor	Ph.D (GEU) M.Tech B. E.	Soft Robotics (Soft robots embedded with soft sensors for industrial and medical applications. Smart composites for sensing application. Natural-fiber reinforced composites for industrial applications
Dr. Royal Madan	Assistant Professor	Ph.D (NIT Raipur) M.Tech, B.E.	Functionally graded materials, Computational mechanics, composites, biomechanics, structures
Dr. Aqueel Ahmad	Assistant Professor	Ph.D (NSUT Delhi) M.Tech B.Tech	Energy and Emission Control; Alternative Fuels ; Biohydrogen ; Biogas ; Biodiesel ; Hydrogen-Enriched Fuels; IC Engine Testing ; Engine Modification; Optimizatio; AI-Based Modeling ; Dual Fuel Mode Engines ; Sustainable Energy Solutions
Mr. Durgeshwar P. Singh	Assistant Professor	Ph.D (P) (GEU) M.Tech B.Tech	CFD, composites, Computational mechanics, biomechanics, structures
Mr. Yatharth Joshi	Assistant Professor	Ph.D (P) (GEU) M.Tech B.Tech	Composite Material, Manufacturing, Design and Circular economy
Mr. Paritosh Mishra	Assistant Professor	Ph.D (P) M.Tech (IIT Delhi) B.Tech	Solid Mechanics, Experimental Stress Analysis, Fracture Mechanics, Mechanical Vibrations, Nano Generations and Sensors
Dr. Neeraj Sengar	Assistant Professor	Ph.D (IIT Delhi) M.Tech B.E. Diploma	Entrepreneurship Education Ecosystem, Innovation & Technology Transfer, Mergers & Acquisitions (M&A), Circular Economy, Solar Energy, Software Proficiency: AutoCAD, PLS-SEM
Mr. Harvindra Singh	Assistant Professor	Ph.D (P) (GEU) M.Tech B.Tech	Heat transfer, Solar energy, Fluid machinery, Fluid mechanics, Material science
Mr. Akashdeep Negi	Assistant Professor	Ph.D (P) (GEU) M.Tech B.Tech	Thermal Energy Engineering, Energy Storage Materials, Solar Desalination, Nanomaterials

Research & Achievements

Research and innovation in Mechanical Engineering play a vital role in advancing industrial technology and driving engineering excellence. Our department is at the forefront of cutting-edge research, addressing real-world challenges and pioneering solutions in advanced materials, thermal systems, robotics, automation, and renewable energy.

Our state-of-the-art research labs facilitate groundbreaking studies in composite materials, fluid dynamics, smart manufacturing, and sustainable energy solutions. Collaborative efforts with industry

partners, research organizations, and government agencies enhance our ability to create impactful innovations.

Breakthroughs in mechanical design, additive manufacturing, and intelligent automation contribute to industrial growth and global competitiveness. By investing in research and fostering a culture of innovation, the department is shaping the future of engineering, making significant contributions to technological advancement, sustainability, and economic development.

Department Faculty among the World's Top 2% Scientists



Dr. Desh Bandhu Singh
Professor



Dr. Rakesh Chandmal Sharma
Professor



Dr. Lalit Ranakoti
Assistant Professor



Dr. Aqueel Ahmed
Assistant Professor

MoUs



Successful Career Paths

Student Placements and Achievements



Ekta
Dhapola



Alekh
Dwivedi



Aman
Kumar



Gunjan



Dil Bahadur
Bohara



Mritunjay
Raj



Priyan
Bhatnagar



Radhika
Agarwal



Ramandeep



Rohit Pant



Tanmay Kohli



Yuvraj Deopa





Events & Activities



1. Industrial Visit to Sara Sae
2. Plantation Drive
3. National Workshop Cum Faculty Development Program
4. Awareness Camp on Road Safety
5. Workshop on Advanced Tools Use for Workshop and Manufacturing Practices
6. Formula Kart
7. Workshop on Getting Started with Arduino
8. RevFest 2025
9. Formula Kart Design Challenge - Coimbatore 2025
10. Acheiving Excellence Through Self Exploration by Dr. Navneet Arora



1. Team Vonk 3.0 – A Legacy of Excellence
2. ICRTMMTCT Conference 2024
3. Lakhveer Singh's Powerlifting Silver medal Glory
4. Jeep India's Tech Showcase
5. Mechame Racers at MEGA ATV Championship 2016
6. Cart Manufacturing Workshop – Skills in Action
7. Shell Eco Marathon, Indonesia 2022 – Spirit of the Event Award
8. Shell Eco Marathon, Bangalore 2019 – Circular Economy Award
9. Industrial Visit to Rockman Industries



Startups and Mechepreneurs



Mr. Rajat Jain

Founder and CEO of Sunfox India Pvt. Ltd.

A star boy as featured on Shark tank India with glorious "ALL 5 SHARKS DEAL". Sunfox is currently working on several health care issues.



Prakhar Srivastava

Founder and CEO, Raysteeds Energy Pvt Ltd

Our distinguished alumni and a rising star in the field of solar energy ventures and businesses.



Abhijeet Roy

Founder and CEO, Plades Innovation Pvt. Ltd.

Our distinguished alumni and a rising star in the field of tile making by recycling synthetic waste.



Mr. Yatharth Joshi

Papertechy Team Pvt. Ltd

Having several records and creative achievements in the bucket, the startup is going to be the next big thing in the years to come

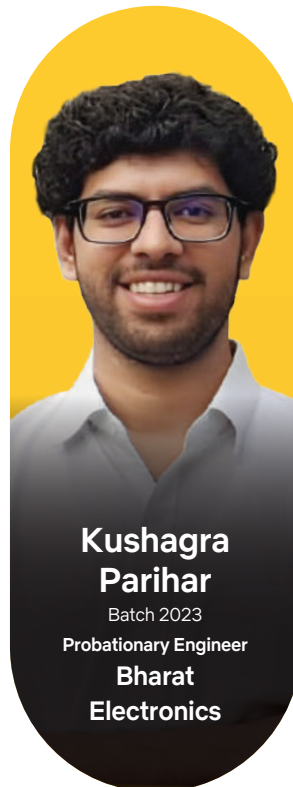
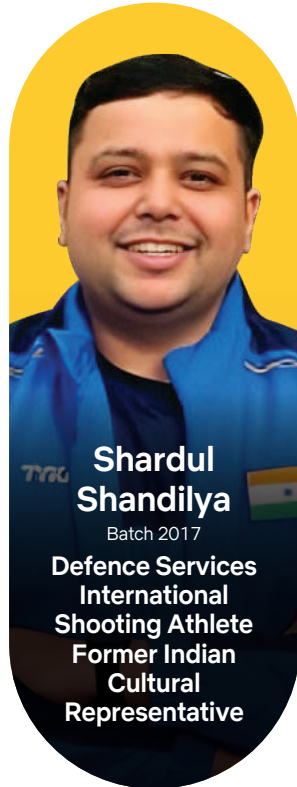


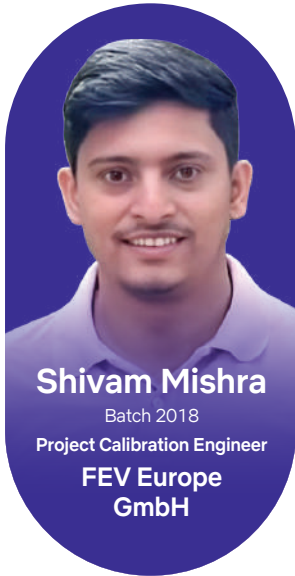
Ishank Sahadeva

Founder, 18 Solitaire

Co-Founder, Swarn Mahal Jewels

Our Esteemed Alumni





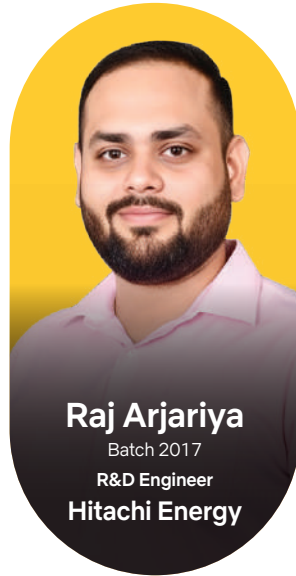
Shivam Mishra
 Batch 2018
 Project Calibration Engineer
 FEV Europe GmbH



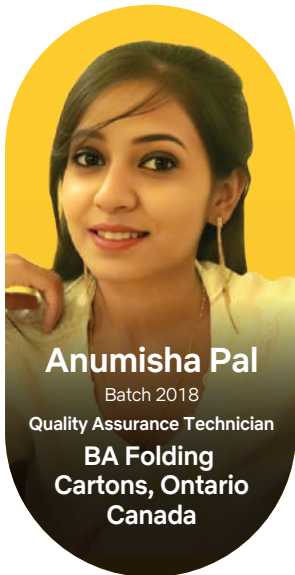
Vipin Sati
 Batch 2017
 Deputy Manager
 Maruti Suzuki
 NEXA



Bilas Hussain
 Batch 2016
 Quality Control Inspector
 Ali & Sons
 Contracting LLC
 Abu Dhabi



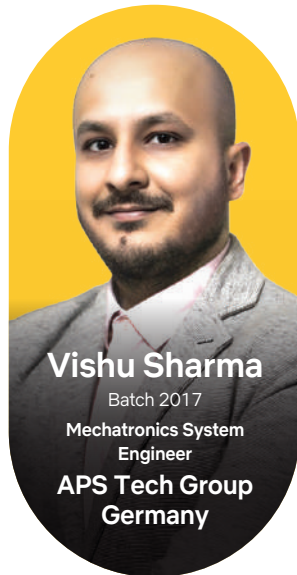
Raj Arjariya
 Batch 2017
 R&D Engineer
 Hitachi Energy



Anumisha Pal
 Batch 2018
 Quality Assurance Technician
 BA Folding
 Cartons, Ontario
 Canada



Intekhab Alam
 Batch 2018
 Business Development and
 Quality Executive
 Nine Yards
 UK



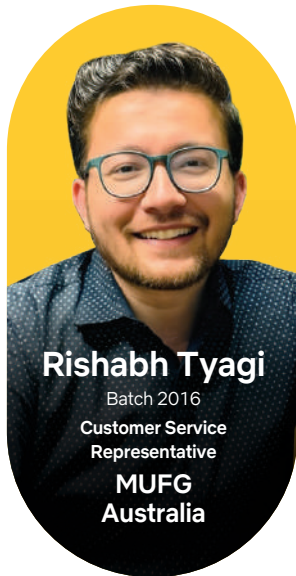
Vishu Sharma
 Batch 2017
 Mechatronics System
 Engineer
 APS Tech Group
 Germany



Bhumika Rautela
 Batch 2018
 Strategic/ Project Purchaser
 Dauphin Human
 Design Group
 Germany



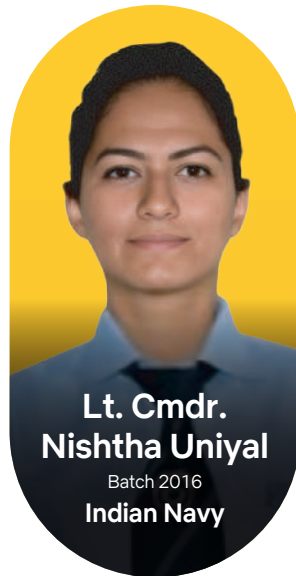
Robin Tyagi
 Batch 2018
 Sales Manager
 IKEA
 NS, Canada



Rishabh Tyagi
 Batch 2016
 Customer Service
 Representative
 MUFG
 Australia



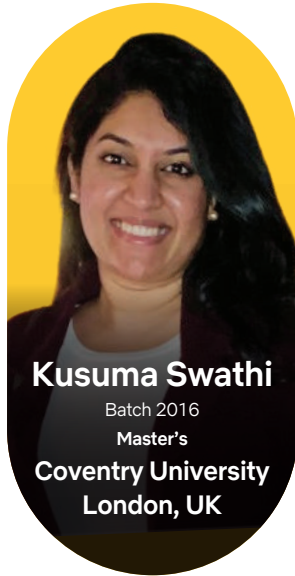
**Major Yogesh
 Adhikari**
 Batch 2012
 Indian Army



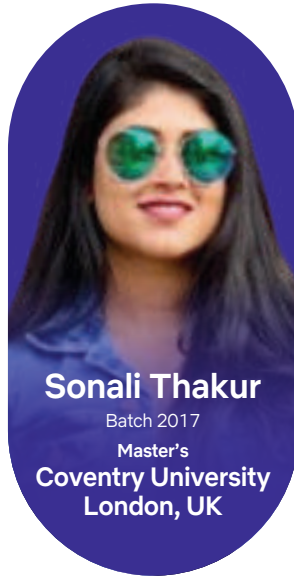
**Lt. Cmdr.
 Nishtha Uniyal**
 Batch 2016
 Indian Navy



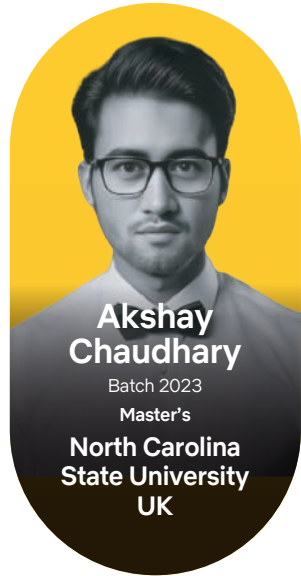
**Jyot Niranjn
Chand Ramola**
Batch 2014
Assistant Commandant
Indian Coast
Guard



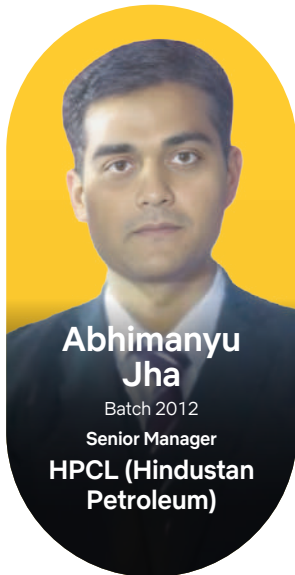
Kusuma Swathi
Batch 2016
Master's
Coventry University
London, UK



Sonali Thakur
Batch 2017
Master's
Coventry University
London, UK



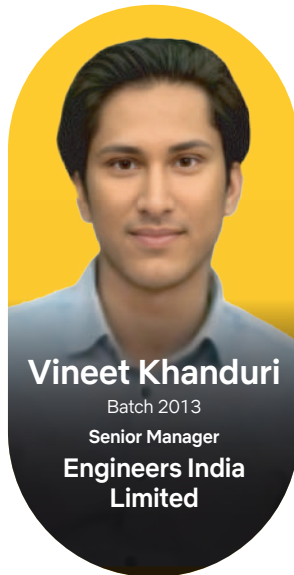
**Akshay
Chaudhary**
Batch 2023
Master's
North Carolina
State University
UK



**Abhimanyu
Jha**
Batch 2012
Senior Manager
HPCL (Hindustan
Petroleum)



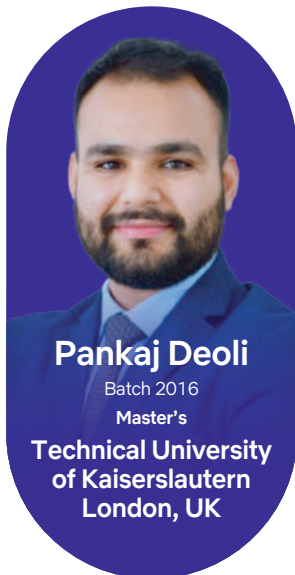
Gitin Kullar
Batch 2013
Executive Engineer
ONGC



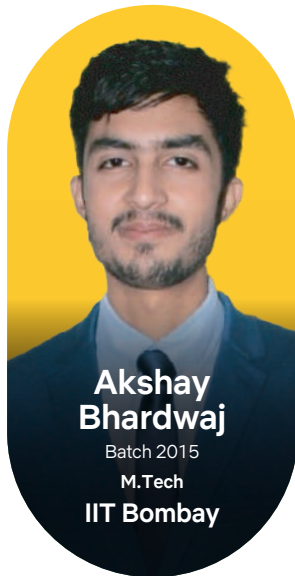
Vineet Khanduri
Batch 2013
Senior Manager
Engineers India
Limited



Anurag Butola
Batch 2013
Scientist
ISRO - Indian
Space Research
Organization



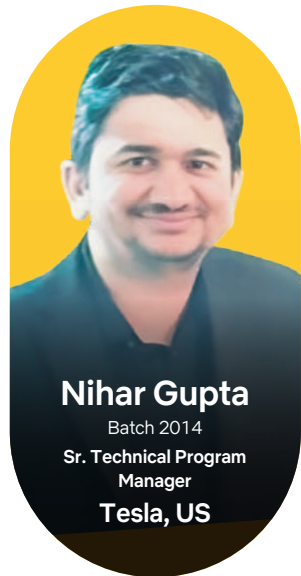
Pankaj Deoli
Batch 2016
Master's
Technical University
of Kaiserslautern
London, UK



**Akshay
Bhardwaj**
Batch 2015
M.Tech
IIT Bombay



**Sqn. Ldr.
Rahul Semwal**
Batch 2014
Indian
Air Force



Nihar Gupta
Batch 2014
Sr. Technical Program
Manager
Tesla, US



Beyond Classrooms

Where Every Event Tells a Story



Career Counselling Services

The Department of Mechanical 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)

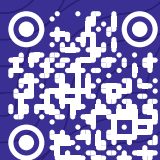
Scholarship upto

₹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
- Upto **100%** Merit-based Sports Scholarship
- 10%** Scholarship to the Girl Candidates
- 10%** Alumni Loyalty Scholarship
- 10%** Scholarship for Parentless Child
- 7.5%** Current Sibling Student Scholarship
- 05%** Passed out Sibling Student Scholarship
- 05%** Scholarship to the children of Defense Personnel
- 05%** Single Parent Scholarship
- 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



Graphic Era

Deemed to be University

DEHRADUN

GET IN TOUCH

Tollfree —
1800 270 1280, 1800 890 6027

HOD Mechanical —
(+91) 9058514181

WhatsApp —
(+91) 70881 19995

Website —
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E-mail —
admissions@geu.ac.in,
hod.mechancial@geu.ac.in

Campus —
Bell Road, Clement Town, Dehradun,
Uttarakhand, India 248002

Register Now —



LinkedIn —



Instagram —

