



VGU

DEPARTMENT OF  
**MECHANICAL  
ENGINEERING**

VIVEKANANDA GLOBAL UNIVERSITY, JAIPUR



Powering the Nation.  
Engineering the Future.

Mechanical Engineering

# A MESSAGE FROM **THE LEADERSHIP**

Mechanical Engineering is one of the oldest and broadest branches of engineering, forming the backbone of industries such as manufacturing, energy, automotive, aerospace, robotics, and sustainable technologies.

At **Vivekananda Global University (VGU)**, The Mechanical Engineering department remains focused on contributing new knowledge through research and innovation in Mechanical Engineering and allied disciplines. The department seeks to maintain recognition through scholarly work, the satisfaction of stakeholders, and service to the institute, the university, and the community.

The Department of Mechanical Engineering is committed to nurturing technically competent, socially responsible, and industry-ready engineers who can meet global challenges with confidence and creativity.

# Strategic Positioning of **Mechanical Engineering** at VGU

## Our Philosophy

**We do not attempt to compete with legacy institutions on brand alone. Instead, we focus on:**

- **Experienced and dedicated faculty** committed to academic excellence and research innovation
- **State-of-the-art laboratories and workshops** that provide hands-on learning experience
- **Industry collaborations and internships** that bridge the gap between theory and practice
- **Research-driven environment** encouraging innovation, entrepreneurship, and interdisciplinary learning
- **Strong alumni network** contributing across leading industries and organizations worldwide

This philosophy defines our  
**Mechanical Engineering program.**



# Why Mechanical Engineering at VGU ?

## 1. Personalized Academic Ecosystem

- Small, focused batches (40–60 students)
- 12 dedicated faculty members
- High faculty–student engagement
- Continuous academic and career mentoring

Students are treated as individuals, not roll numbers.

## 3. High Return on Investment

- Affordable fee structure compared to major private universities
- Strong placement support
- Skill-driven learning leading to faster career stabilization

VGU delivers quality engineering education without imposing excessive financial burden on families.

## 2. Industry-Aligned & Future-Focused Orientation

The program blends strong core electrical engineering with exposure to emerging domains:

- Production Engg.,
- Thermal Engg.,
- Design, Industrial
- Management Engg.

This ensures graduates remain relevant, employable, and adaptable in a fast-evolving industry.

## 4. Strategic Location Advantage

The presence of RIICO industrial areas, manufacturing units, automotive workshops, renewable energy firms, and MSMEs provides students with valuable opportunities for:

- Industrial visits
- Internships & live projects
- Industry-sponsored training
- Placement opportunities

# Career-Oriented **SPECIALIZATION EXPOSURE**

From the third year onward, students are encouraged to align **projects, internships, and electives** with one of the following structured focus tracks:

- ➔ **Design & Analysis Engineering**  
CAD/CAM, CAE, Finite Element Analysis (FEA), Product Design & Development
- ➔ **Manufacturing & Production Engineering**  
CNC Programming, Automation, Lean Manufacturing, Quality Control
- ➔ **Thermal & Energy Engineering**  
Power Plant Engineering, Refrigeration & Air Conditioning, Renewable Energy Systems
- ➔ **Automobile Engineering**  
IC Engines, Electric Vehicles (EV Technology), Vehicle Dynamics
- ➔ **Robotics & Automation**  
Mechatronics, Industrial Robotics, Smart Manufacturing Systems

*These tracks enable **career clarity while preserving core engineering strength***

## Our Vision

To develop department of mechanical engineering as a center of excellence by producing high caliber technocrats with sound leadership competencies to meet the socio industrial needs.

## Our Mission

- To achieve academic excellence in mechanical engineering through dedication of duties, innovations in teaching and contribute new knowledge through research in mechanical Engineering and allied disciplines.
- To encourage students to participate in sports, co-curricular and extra-curricular activities so as to develop their managerial capabilities, communication skills, team spirit, and leadership qualities.
- To help our students grow as highly awakened and responsible citizens, committed to build bridges of understanding, peace and harmony amongst people.

# ACADEMIC PROGRAMS OFFERED

Undergraduate Program



**B.Tech in Mechanical Engineering | 4 Years**

- Production Engg.
- Thermal Engg.
- Design
- Industrial and Management Engg.
- Energy

Postgraduate Program



**M.Tech  
• Production Engg.  
• Thermal Engg. | 2 Years**

# WHY VGU MECHANICAL ENGINEERING IS A SMART INVESTMENT

Parameter	VGU	Typical Private University
Annual Fee	₹1.5 LPA	₹2.5–3.5 LPA
Batch Size	Small (40–60)	Large (75+)
Faculty Access	High	Limited
Curriculum Flexibility	High	Moderate
Average Starting Package	₹4–5 LPA	₹5–7 LPA
Payback Period	~2 Years	~3–4 Years

## Industry-Aligned Learning

### Our curriculum integrates:

- Industry-certified training modules
- Live industrial projects
- Internships with manufacturing and automotive industries
- Skill development workshops and simulation-based learning

## Future-Ready Skill Development

### Students develop competencies in:

- Advanced engineering software tools
- Research & innovation practices
- Entrepreneurship and startup incubation
- Sustainable and green engineering technologies

## Outcome-Focused Career Preparation

Through specialized labs, elective courses, industry interaction programs, and mentorship, students are prepared for careers in:

- Core manufacturing industries
- Automotive & EV sector
- Energy & power sector
- Aerospace & defense industries
- Robotics & automation companies
- Higher education & research

# OUR FACULTY EXPERTS, MENTORS & INDUSTRY GUIDES

The Department of **Mechanical Engineering** at **Vivekananda Global University** is supported by a highly qualified, research-oriented, and experienced faculty team actively contributing to teaching, research, innovation, and industry collaboration.

## Faculty Strength at a Glance

Total Faculty Members: **12**

Ph.D. Qualified Faculty: **7**

Average Teaching & Research Experience: **13+ years**



# FACULTY PROFILES



**Dr. Vijay Kumar Pandey**  
Associate Professor



**Dr. Pramod Faujdar**  
Associate Professor



**Dr. Bhuvnesh Sharma**  
Associate Professor



**Dr. SVH Nagendra**  
Associate Professor



**Dr. Mukesh Kumar**  
Assistant Professor



**Dr. Amit Kumar**  
Assistant Professor



**Dr. Naveen Yadav**  
Assistant Professor



**Mr. Ganesh Kantik**  
Assistant Professor



**Mr. Kunal Sharma**  
Assistant Professor



**Mr. Sanjay Chaudhary**  
Assistant Professor



**Ms. Mr. Sunil Jakhar**  
Assistant Professor

# FACULTY ACHIEVEMENTS (HIGHLIGHTS)

- **Strong research culture** with Scopus-indexed publications
- Active participation in **patents, funded projects, and conferences**
- Faculty involvement in **NBA & NAAC accreditation activities**
- Leadership roles in **innovation, incubation, and industry interface**

## Laboratories, Innovation & National Exposure Major Laboratories

### Major Laboratories

- Well-equipped core laboratories
- National-level project exhibition (NLPE)
- Hands-on learning culture
- Industry interaction, expert lectures, and outreach programs

Students graduate with ***practical competence, ethical grounding, and professional confidence.***



- A CNC (Computer Numeric Control) Lab is a specialized facility equipped with CNC machines for manufacturing and prototyping using Computer Aided Design (CAD) AND Computer Aided Manufacturing (CAM) technologies

- A Robotics Lab is a specialized facility equipped with robotic system tools, and software for research, development, and experimentation in the field of Robotics.



- For the operating and governing Royal Enfield is working as partner organization. They have developed a training program for Royal Enfield Service personals called “Royal Enfield Technician Certification Program (RETCP)”. Royal Enfield is committed to provide the automobile training to the institute students and faculty members, also to the students and faculty members

- In a Thermal Engineering Laboratory, students typically get hands-on experience with a variety of experiments that reinforce concepts related to heat transfer, thermodynamics, and fluid mechanics. This Lab includes heat exchanger, Boilers, turbines, pumps, compressors and instrumentation for measuring temperature, pressure and flow rates.



- The Mechanical Workshop is a facility equipped with tools, machinery and resources for manufacturing, repairing, and maintaining mechanical components and systems. These workshops are essential for hands-on learning and practical experience in mechanical Engineering disciplines. Common equipments found in a mechanical workshop includes lathes, milling machines, drilling machines, welding equipment, cutting tools and various hand tools.

# Industry Interaction & PRACTICAL EXPOSURE

The department regularly organizes expert lectures, technical sessions, career guidance programs, and industrial visits to enhance industry exposure and practical understanding. These initiatives help students stay updated with current technologies, professional practices, and future career pathways, ensuring the development of competent, skilled, and industry-ready engineers.



- Seminar cum and hands on workshop :- An seminar cum hands on workshop was scheduled at Vivekananda Global University, Jaipur. This activity was conducted by Department of Mechanical & Electrical Engineering on 15/10/2025. The activity is based on "Importance of CAD in Mechanical & Electrical Engineering". Students from mechanical & electrical departments had participated in this activity.

- The aim of this conference to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results about all aspects of Engineering Technology and Innovation. It also provides the premier interdisciplinary forum for scientists, engineers, and practitioners to present their latest research results, ideas, developments, and applications in all areas of Engineering, Technology and Innovation.



- Seminar cum and hands on workshop :- A seminar was conducted about "Robotics and Automation" by TechnoS Centre Of Excellence, Jaipur". The institute provides Basic, Intermediate, and Advanced courses in Embedded Electronics, Electric Vehicles, Drones, Software Programming, and Raman Spectroscopy. Students learn about automatic temperature control system application.

# Outreach & **SOCIAL RESPONSIBILITY**

The department regularly conducts outreach and social responsibility programs. These activities promote ethical values, social awareness, and holistic development, encouraging students to become responsible and socially conscious engineers.



- **Industrial Visit Tarun International Limited:** Department of Mechanical Engineering organized Industrial visit on 09-10-2025, engage 46 students at Tarun International Limited, Jaipur.
- Tarun International Limited is one of the leading manufacturer of Colled rolled and Hardened and tempered Steel strips. This organization is equipped with the highly qualified technical team and latest technical manufacturing facilities and technologies.



- **Industrial Visit at RS-India:** Department of Mechanical Engineering organized Industrial visit, engage 46 students at Narsinghpura at Dadiya, Jaipur).
- RS-INDIA is offering the Swiss precision and assembly solutions with the world class plant equipped with international machinery and technology in India. "Company is a highly technical and zero error precision parts manufacturing unit in collaboration with a Swiss company SRM Technologies, Switzerland.

# Innovation & **NATIONAL EXPOSURE**

The department annually organizes the National Level Project Exhibition (NLPE), offering a national platform for showcasing innovative hardware models, power and automation projects, and software-based solutions. The event promotes innovation, teamwork, and practical engineering skills among students.



## Consistent Growth in Placement Performance

Academic Session	Placement Outcome
2023-24	>65%
2024-25	>75%
2025-26	~95%

## Salary Highlights (2025-26)

Highest Package: **₹12 LPA**      Average Package: **₹4-5 LPA**

## Our Placement Philosophy

We believe in transparent outcomes, continuous improvement, and long-term career growth rather than inflated claims.

Students are supported to:

- Build strong technical foundations
- Develop industry-ready skills
- Secure roles aligned with their specialization and interests



# KEY RECRUITERS

Graduates of the Department of Mechanical Engineering have been recruited by leading organizations across power, renewable energy, manufacturing, EPC, and infrastructure sectors, including:



# TOP PLACEMENTS



**MANU YADAV**

B.Tech - ME

• Placed at



**₹3.0 LPA**



**WASIM ALAM**

B.Tech - ME

• Placed at



**₹3.0 LPA**



**ASRAF**

B.Tech - ME

• Placed at



**₹3.0 LPA**



**MS. VINITHA**

B.TECH ROBOTICS

• Placed at



**₹4.5 LPA**



**ALLASHYAM CHARAN**

B.TECH ROBOTICS

• Placed at



**₹5.0 LPA**



**SONU ROUT**

B.Tech - ME

• Placed at



**₹12 LPA**

# STUDENT & PARENT VOICES



“The Mechanical Engineering program here has been a game-changer for my career aspirations. With hands-on lab experience and industry internships, I feel confident stepping into the engineering world.”

— **Ronit Bhojwani**, Final Year Student



“The faculty takes time to ensure we understand concepts beyond textbooks. The workshops and practical sessions helped me build skills that major companies look for.”

— **Raghav Chandak**, 3rd Year Student



“Participating in robotics and manufacturing projects boosted my problem-solving abilities. The department encourages innovation and guided me toward meaningful research.”

— **Pankaj Manhas**, 2nd Year Student



# Contact Information

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