

Dr. Abhishek Kumar

Professor & Deputy Director

G.C.R.G. Memorial Trust's Group of Institutions, Lucknow, Uttar Pradesh, India

☎ +91-8090052093 | 📱 WhatsApp: +91-9810332810 | ✉ abhishek.fet.ac@gmail.com
3/300 Vishwash Khand, Gomtinagar, Lucknow – 226010

Professional Profile

Dr. Abhishek Kumar is a seasoned academician, researcher, and institutional leader with over **25 years of cumulative experience** in academia and industry. He has consistently contributed to engineering education through innovative curriculum development, impactful research, institutional development, and active mentoring of students and faculty alike. With a core focus on **Mechanical Engineering and applied computational modeling**, Dr. Kumar brings a unique blend of theoretical rigor and hands-on industrial acumen to his teaching and administrative responsibilities.

He has held leadership positions such as **Deputy Director, Deputy Registrar, IQAC Core Member, and ERP Coordinator**, playing a pivotal role in streamlining operations, enhancing academic quality, and spearheading accreditation processes (NAAC/NBA).

Educational Qualifications

- **Doctor of Philosophy (Ph.D.)**
Finite Element Modeling to Elucidate Human Digestive System
Maharishi Dayanand University, Rohtak, Haryana, India (2016)
 - **Master of Technology (M.Tech)**
Manufacturing and Automation
CITM, MD University, Rohtak (2006)
 - **Bachelor of Engineering (B.E.)**
Mechanical Engineering
Dr. B.A.M. University, Aurangabad, Maharashtra (1999)
-

Academic and Administrative Experience

Professor & Deputy Director (2021 – Present)

G.C.R.G. Memorial Trust's Group of Institutions, Lucknow

- Leads academic strategy and quality assurance initiatives in the Faculty of Engineering.
- Designed and implemented ERP systems for academic administration.
- Re-established IQAC and initiated an incubation center and R&D cell.
- Played a key role in institutional tie-ups with industry leaders (TVS, Ashok Leyland, IBM SkillBuild).
- Institutionalized the DSW, Alumni Chapter, and IEI Membership.

Associate Professor to Lecturer (2005 – 2021)

Manav Rachna International Institute of Research & Studies, Faridabad (NAAC A Grade)

- Progressed through roles from Lecturer to Associate Professor and contributed across teaching, R&D, accreditation, and events.
- Held administrative roles: **Deputy Registrar, Cluster Head (MAA), NAAC/NBA Documentation Coordinator, R&D Committee Member.**
- Mentored Ph.D. and M.Tech scholars; coordinated over 20 major student projects.

Lecturer (2001 – 2005)

AL-FALAH School of Engineering & Technology (AFSET), Faridabad

- Taught core mechanical engineering subjects; helped develop early-stage lab infrastructure.

Industrial Experience

- **Sojatia Auto Pvt. Ltd., Indore** – Administrative & Marketing Officer (2000–2001)
- **Anand Refrigeration Co. Pvt. Ltd., Delhi** – Sales Executive (2000)

Research Supervision and Evaluation

Ph.D. Supervision

- **Aman (2022):** *Mathematical Modeling and Availability Analysis for Sugar Plant Systems* using Genetic Algorithms – MRIIRS

Ph.D. Thesis Evaluator

- **Hasibur Rahaman (2018)** – *Kinetics of Grain Refinement*, Sai Nath University

M.Tech Dissertation Supervision

Supervised multiple dissertations covering agile manufacturing, productivity analysis, gauge block quality, and Taguchi optimization.

Research Publications and Conferences

- **Total Publications:** 12+ in reputed journals such as **IJMPERD, IJAR, IJIR, IJSER**.
- **Recent Highlights:**
 - *Design of Cost-Efficient Light EVs* (GREENS 2025, IET Lucknow)
 - *Nano-fluids in Thermal Control* (IJAR, 2023)
 - *Composite Materials for Space Applications* (IJAR, 2023)
 - *Finite Element Modeling for Gastrointestinal Motility* (IJBAR, 2014)
- Presented papers in conferences like **ICQPROM, LIME, ESTESME, GREENS, PME** at national and international levels.

Technical & Innovation Events

- **Event Coordinator** for INNOSKILL, MR Mechno Rage, Contraption (30-hr Innovation Event)
- Organized international and national conferences such as **ICQPROM (2017)** and **LIME (2018)**
- Technical Judge and Faculty Mentor for 20+ national student teams in **SUPRA SAE, BAJA SAE, GoKart, TIFAN**, including participation in **Formula Student Japan (2016)**

Professional Development & Certifications

- **Faculty Development Program on NAAC Documentation (2023)**
- **ICT-NITTTR Training** on Advanced Manufacturing
- **FDP on Blockchain & Cryptocurrencies (2018)**
- **ISTE-AICTE Short-Term Training** on Teaching Skills and Strategic Management
- Participated in National Seminars on Agile Manufacturing, Mumbai Dabbawalas (2007), SolidWorks, etc.

Startup & Innovation Ecosystem Roles

- Mentor to **3 Startups** across MRIIRS and G.C.R.G.
- **President**, Innovation Cell, G.C.R.G. (2021 – Present)

- SPOC for Onsite Industry Projects (e.g., Orient Electric Pvt. Ltd.)
-

Core Competencies

- **Academic Leadership & Curriculum Design**
 - **Learning Management & Distance Education Tools**
 - **Research Management and Funding Proposals**
 - **Faculty/Student Mentoring & Incubation Support**
 - **NBA/NAAC Accreditation Planning and Documentation**
 - **Technical Project Supervision & Event Coordination**
 - **Liaisoning with Industry and Government Bodies**
-

Professional Affiliations

- Former Member, **Society of Automobile Engineers (SAE)**
 - **Institutional Member**, IEI (via G.C.R.G.)
-

Key Initiatives Led at G.C.R.G.

- Developed and implemented **Enterprise Resource Planning (ERP)** system
- Re-established **Internal Quality Assurance Cell (IQAC)**
- Formed **Alumni Chapter**, **DSW Cell**, and **Incubation Centre**
- Established **R&D Cell** and coordinated with industry partners for MoUs and collaborative research