GAURAV UPADHYAY

E-mail :gauravupadhyay2688@gmail.com
Mobile : **+918559069098**

CAREER OBJECTIVE

Assistant Professor with 8 years of experience successfully contributing to Mechanical Engineering curriculum development and delivery. Driven to contribute to program outcomes by facilitating engagement and supporting learning objectives. Enthusiastic professional with background in academic advisement. Organized and dependable candidate successful at managing multiple priorities with a positive attitude. Willingness to take on added responsibilities to meet team goals.

SKILLS

- NAAC Related Document Preparation & Filing
- AISHE Related Document Preparation & Filing
- NIRF Related Document Preparation & Filing
- Positive Reinforcement Strategies
- Curriculum Development
- Distance Learning Tools
- Academic Publications
- Thesis Guidance
- Continuing Education
- Goals and Performance
- Mentor Graduate Students
- Designing Software Auto Cad.
- Designing Software Solid works.

WORK HISTORY

July 2020 - Current
Lingaya's University - Faridabad, Haryana, India
Assistant Professor

- Worked as core team member of IQAC team & Supervised Criteria 2 of NAAC SSR.
- Applied innovative teaching methods to encourage student learning objectives.
- Contributed to campus activities to promote positive university image.
- Mentored students and communicated internship and employment opportunities.
- Created materials and exercises to illustrate application of course concepts.
- Collaborated with colleagues on curriculum revision, evaluation of course syllabi and lesson plans for Mechanical Engineering curriculum.
- Revised course objectives, course materials, instructional and assessment strategies for Mechanical Engineering courses.
- Performed research to serve as basis for academic writing for publication.

July 2017 - June 2020
PSIT College of Engineering - Kanpur, Uttar Pradesh, India
Assistant Professor

- Applied innovative teaching methods to encourage student learning objectives.
- Helped struggling students by providing support outside of classrooms and consistently checking in on progress.
- Built strong rapport with students through class discussions and academic advisement.
- Contributed to campus activities to promote positive university image.
- Created materials and exercises to illustrate application of course concepts.
- Supported weekly lab sessions, contributing to student engagement, comprehension and learning objectives.

August 2016 - July 2017
G.L. Bajaj Institutions - Mathura, Uttar Pradesh, India
Assistant Professor

- Helped struggling students by providing support outside of classrooms and consistently checking in on progress.
- Built strong rapport with students through class discussions and academic advisement.
- Created materials and exercises to illustrate application of course concepts.
- Communicated with students about classroom, lab and study session expectations to help professors maintain order in large classes.

August 2015 - July 2016
Naraina College Of Engineering & Technology - Kanpur, Uttar Pradesh
Assistant Professor

- Created materials and exercises to illustrate application of course concepts.
- Contributed to campus activities to promote positive university image.
- Built strong rapport with students through class discussions and academic advisement.
- Assisted professors with continuous development, review, planning and outcomes evaluation to measure Mechanical engineering program performance.

June 2011 - April 2013
Century Metal Recycling Pvt. Ltd - Bhiwadi, Rajasthan, India
Process Engineer

- Reviewed processes, identifying areas requiring improvement.
- Provided technical assistance to production team when issues arose.
- Conducted root cause analysis to identify, prioritize and eliminate process losses.
- Developed documentation, diagrams, and specifications to meet project requirements and regulatory standards.

EDUCATION

GLA University Mathura, Uttar Pradesh, India
Doctor of Philosophy (Ph.D.) (Pursuing-Part Time) Material Engineering (Composites)

Lovely Professional University Jalandhar, Punjab, India
M.Tech. Manufacturing Engineering

G.L.A. Institute of Technology and Management Mathura, Uttar Pradesh, India
B.Tech. Mechanical Engineering

ACCOMPLISHMENTS

- Attended one week faculty development program (FDP) at IIT Kanpur on topic "A Pedagogical approach to Manufacturing Science".

- Attended one week faculty development program (FDP) at IIT Kanpur on topic "Advancement in Manufacturing Technology".

- Attended one week faculty development program (FDP) at IIT Kanpur on topic "A Pedagogical approach to Engineering Graphics & Computer Aided Graphics".

- Attended one week faculty development program (FDP) at PSIT Kanpur on topic "Nanomaterials & Technology Advancements".

- Attended three days faculty development program (FDP) at PSIT Kanpur on topic "Six Sigma" organized by department of mechanical engineering PSIT.

- Attended one week faculty development program (FDP) at GLA University on topic "Research and Development in Materials Behavior, Processing and Characterization Techniques".

- Attended one week faculty development program (FDP) at GLA University on topic "Role of Materials and Processing in Additive Manufacturing: 3D Printing to Industry-2020**"**

- Attended one week faculty development program (FDP) at CSIR - National Metallurgical Laboratory, Jamshedpur on topic "Material Processing & Heat Treatment (MPHT)".

- Attended two days faculty development program (FDP) at Institute of Academic Excellence in Collaboration with Collegiate Education & Technical Department, Government of Telangana on topic "Awareness Workshop-NIRF INDIA RANKING-2021 for Higher Educational Institutions. Education

- Attended one week faculty development program (FDP) at MVN University, Palwal on topic "IOT: Seamless Connectivity and Security for Smart Communication-2022**".**

- Attended one week faculty development program (FDP) at MVN University, Palwal on topic "Research Methodology and Survey Data Analysis-2022**".**

- Attended one day faculty awareness program at Lingaya's Vidyapeeth (Deemed to be University), Faridabad on topic "National Intellectual Property Awareness Program-2022**".**
- Attended 4 weeks training program in Bharat Heavy Electricals Limited, Haridwar, India.
- Attended 4 weeks training program in Kirloskar Pumps Limited, Pune, India.

PUBLICATION

- Published research paper in "Metals", SCI indexed journal on "*Development of Carbon Nanotube (CNT)-Reinforced Mg Alloys: Fabrication Routes and Mechanical Properties"*. Metals 2022, 12, 1392. *https://doi.org/10.3390/met12081392*.
- Published research paper in Scopus indexed journal on *"Mechanical properties of carbon fiber reinforced with carbon nanotubes and graphene filled epoxy composites:*

experimental and numerical investigations". IOP Publishing, 2023 Mater. Res. *Express* 10 025308. https://doi.org/10.1088/2053-1591/acaef5.

- Published research paper in IOP Conference Series: Materials Science and Engineering (Scopus Indexed) on "*Role of Stir Casting in development of Aluminium Metal Matrix Composite (AMC): An Overview"* IOP Conf. Ser.: Mater. Sci. Eng. 1116 012022.
- Published research paper in International Journal of Research and Application (IJERA) on "*Optimization of Parameters of Cylindrical Grinding process for Surface Roughness while working on IS 319 Brass"* ISSN: 2248-9622, Vol. 5, Issue 6, (Part -3) June 2015, pp.63-67.
- Published research paper in International Journal of Research and Application (IJERA) on "*Optimization of Parameters of water jet machining process for surface roughness while working on stainless steel 403"* ISSN: 2248-9622, Vol. 5, Issue 5, (Part -2) May 2015, pp.86-91.

PROJECTS COMPLETED/ONGOING

- Currently working on research work related to Ph.D. on "development of composite materials using stir casting technique using a reinforcing agent which could enable the material to be used as source material for marine & aircraft applications".
- As mentor Guided students to develop a "Shaper machine" from unused machine parts which is in the process of patent.
- As mentor Guided students to develop a "Smart Eye Glasses" for visibility disabled people, which is also in process of patent. (Selected in best 10 innovative smart idea projects by AKTU & competition is still in process).
- Worked as M.Tech. Research on optimization (found an economic MMR for least Surface Roughness) of parameters of Cylindrical Grinding of IS 319 Brass (Published the research article related the work done).
- Worked as Project on "optimization of various parameters for water jet machining process on stainless steel 403" (Published the research article related to work done).
- At Engineering level Worked on project "All pressure, Temperature Test Rig of PETROL/CNG 4 stroke engine.

HANDLED RESPOSIBILITIES

- Member of IQAC Core Team of University (Handling the responsibility of Criteria-2 Supervision).
- Member of organizing committee for National conferences for faculty and under graduate students.
- Pursued as Examination Paper writer in end semester examination for B. Tech. & Diploma courses for private universities.
- Handling the projects & seminars as mentor of B.Tech. Students.
- Responsible for relationship with various industries for training and placement purpose.
- Managing cultural festival and technical festivals for UG & PG students.
- Member of Anti ragging Committee in current organization.

- Member of Discipline Committee in current organization.

SUBJECTS OF INTEREST

- Manufacturing Engineering
- Material science.
- Mechanics of Metal cutting.
- Kinematics of Machines.
- Dynamics of Machine.
- Welding Technology.
- Computer Aided Manufacturing
- Machine Tool design.
- Engineering Graphics.
- Composite materials.
- Industrial Management
- Managerial Economics

PERSONAL INFORMATION

Father's Name	:	Mr. Vinod Kumar Upadhyay
Mother's Name	:	Mrs. Lata Upadhyay
Address	:	99, Saraswat Enclave, Tundla, District-Forzabad
Date of Birth	:	27th march 1988
Gender	:	Male
Nationality	:	Indian
Languages known	:	English, Hindi

Date:
Place:
Signature