



## ANAND SHARMA ASSISTANT PROFESSOR

Offering over **10 years** of versatile experience in Educational Management & Value Enhancement; driving **360° Strategic Academic Renditions** in academic business space, targeting assignments with an organization of repute.

### CONTACT



doc.asharma@yahoo.in



+91-9138929899



PAN India

### CORE COMPETENCIES

- Strategic Planning, Analysis, Decisions (R&D)
- Curriculum Study & Lecture Delivery (Mechanical Engineering)
- NAAC Coordinator
- Timetable, ERP and Digital Learning
- Institutional Process Enhancement
- Activities, Events, Workshops & Trips Management
- Class Decorum, Quality, & Safety Management
- Auditing & Internal Control
- Training & Placement Support
- Student & Peers Mentoring & Support
- People & Performance Management
- Stakeholder Management
- Cross-functional Coordination

### TECHNICAL SKILLS

- SolidWorks
- Pro-E
- MS Office Product Suite: Excel, Word, PPT, Outlook, Teams
- ASC Timetable

### PROFILE SUMMARY

- Pursuing **Ph.D.** from Department of **Mechanical Engineering**, Delhi Technological University.
- Completed **M.Tech (CAD/CAM)** from the Department of Mechanical Engineering, Maharishi Markandeshwar University, Mullana
- Currently associated with **Sushant Erstwhile Ansal University** as **Assistant Professor**
- Published various papers such as "Investigation of Wire Electrical Discharge Machining of ZrSiO<sub>4</sub>/Al 6063 MMC", Prediction of optimal conditions for WEDM of Al 6063/ZrSiO<sub>4</sub>(p) MMC, and others in reputed National & International Journals/Mediums
- Working towards the research & thesis on the implementation of:
  - Ball End Magnetorheological Finishing technique for reduction in residual stresses and surface roughness
- **Areas of Interest:** Heat Transfer, Fluid Mechanics, Non-Conventional Machining Methods, CAD/CAM, Computer Integrated Manufacturing
- Contributed significantly towards the development and reputation of the Mechanical Department & its graduate and post-graduate programs
- Working as the **NAAC Coordinator** to steer coordination for:
  - Documentation of various activities leading to quality improvement
  - Quality-related activities for the institute
  - Feedback & improvement through cross-functional & stakeholder liaising
  - Activities as per the IQAC Committee guidelines
- Career success in adopting a solution-driven mindset to extract, translate, and present relevant information on the research topics; steering studies entailing problems related to mechanical concepts and their interdisciplinary applications
- **Encouraged learning & inquisitive** among the students & peers
- Using a unique blend of motivational and targeted instructions/methodologies to enhance the lecture delivery approach while establishing sound relationships by guiding students
- **Divergent outlook** with a creative approach to problem-solving using analytical skills to deal effectively with all levels of the organization

### CAREER TIMELINE



## SIGNIFICANT ACHIEVEMENTS



Best Paper-International Conference on Newest Drift in Mechanical Engineering



Excellent performance in co-curricular and event management



100% Students' Result



Led multiple strategies for digital & conventional classroom studies



Young research award - School of Engineering & Technology



Multi-faceted responsibilities

## WORK EXPERIENCE

### Key Result Areas:

- Managing the teaching, student counseling and guidance, performance monitoring and individual assessments
- Reviewing, auditing & inspecting the curriculum funnel
- Conducting periodic meetings or get-togethers to encourage close collaboration among educational stakeholders in improving the department's performance
- Establishing and maintaining a learning climate that is conducive for optimum student performance
- Analyzing & evaluating processes and frameworks of the department administration support
- Navigating multiple responsibilities for overall development of the institute & the students
- Maintaining records & data; updating faculty on curriculum changes & assessment methods
- Ensuring the implementation of teaching and training program through continuous coordination with the department staff

### Subjects:

- Fluid Mechanics, CAD/CAM, Computer Integrated Manufacturing, Heat Transfer, Material Science, and so on

### Memberships, Coordination, and Additional Responsibilities:

- Member of Training and Placement Cell in the institute
- Organized various industrial trips and workshops for the better understanding of the students
- Coordinator of the Research and Development cell at departmental level
- In-charge of the various co-curricular activities in Yantram Club
- In-charge & Mentor of 3rd year students

## EDUCATION

Since 2016: **Ph.D. (Mechanical Engineering)** from Delhi Technological University

**2014: Master of Technology in CAD/CAM (Mechanical Engineering);** secured (71%, First Class)

Maharishi Markandeshwar University, Mullana, Haryana

**Dissertation:** *"Prediction of optimal machining conditions for WEDM of Aluminium based MMC"*

**2011: Bachelor of Technology (Mechanical Engineering);** secured (64%, First Class)

Haryana Engineering College, Jagadhri, Haryana

**2007: 12<sup>th</sup>;** secured (63%, First Class)

Sacred Heart Convent Sr. Sec. School, Jagadhri, Haryana

**2005: 10<sup>th</sup>;** secured (68%, First Class)

Sacred Heart Convent Sr. Sec. School, Jagadhri, Haryana

## PUBLICATIONS

### SCI INDEXED PUBLICATIONS

- Sharma, A., and Niranjana, M. S., 2022 "Experimental and theoretical investigation into surface roughness and residual stress using ball end magnetorheological finishing", Journal of Engineering Research. <https://doi.org/10.36909/jer.14281>
- Sharma, A., & Niranjana, M. S., 2023 "Chemical assisted ball end magnetorheological finishing of aluminium 7075 alloy", Ain Shams Engineering Journal. <https://doi.org/10.1016/j.asej.2023.102397>

### SCOPUS INDEXED PUBLICATIONS

- Sharma, A., Garg, M.P., Goyal, K.K. and Kumar, A., 2014 "Investigation of Wire Electrical Discharge Machining of ZrSiO<sub>4</sub>/Al 6063 MMC", International Journal of Machining and Machinability of Materials, Vol.18 (4), pp. 392-411

- Garg, M. P., & Sharma, A., 2017 “Examination of accuracy aspect in the machining of ZrSiO 4p/6063 aluminium MMC using CNC Wire Electrical Discharge Machining”, Composites Communications, 6, 6-10

PUBLICATIONS

- Sharma, A., Garg, M.P. and Goyal, K.K., 2014 “Prediction of optimal conditions for WEDM of Al 6063/ZrSiO4(p) MMC”. Procedia Materials Science, Vol. 6, pp. 1024-33
- Sharma, A., Garg, M.P., Goyal, K.K. and Kumar, A., 2014 “Examination of Wire Electrical Discharge Machining of ZrSiO4(p)/Al 6063 MMC” International Conference on Newest Drift in Mechanical Engineering
- Sharma, A. and Niranjana, M.S., 2018 “Magnetorheological Fluid Finishing of Soft Materials: A Critical Review” 3rd International Conference on Advanced Production and Industrial Engineering (ICAPIE'18)
- Sharma, A. and Niranjana, M.S., 2019, “Magnetorheological Fluid Finishing of Soft Materials: A Critical Review” IJAPIE, Vol 4 (1), 48-55
- Sharma, A., Vaish, A. and Sharma, A., 2020 “Detailed Review of Ball End Magnetorheological Fluid Finishing Process” WSEAS TRANSACTIONS on HEAT and MASS TRANSFER, Vol 5, 163-173

CERTIFICATIONS

- Microsoft Project through Udemy
- Proficient in SolidWorks through CADD centre.
- The Fundamentals of Digital Marketing through Google Digital Garage
- Introduction to Project Management through Simplilearn

FACULTY DEVELOPMENT PROGRAM

- Advances in Surface Engineering at Delhi Technological University, 01-05 May, 2018
- Skill Development Programme on Advanced Trends in Mechanical Engineering at K R Mangalam, 23-27 July, 2018

PERSONAL DETAILS

**Date of Birth:** 20<sup>th</sup> August 1989  
**Contact Address:** House No. - 699, Sector - 6, Panipat, Haryana-132103  
**Languages Known:** English, Hindi