

CURRICULUM VITAE



Dr. ANKIT ASTHANA

Designation: Associate Professor

Department: Mechanical Engineering

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ACADEMIC/INDUSTRIAL EXPERIENCE: - 18 Years

QUALIFICATION: - Ph.D.(Mechanical Engineering)

Area of Interest: -Machine Design, Theory of Machines, Mechatronics, Composites, Manufacturing Processes, Industrial Engineering

Research Publications:

1. Ankit Asthana et al. "Development and mechanical properties evaluation of environmentally sustainable composite material using various reinforcements with epoxy". Case Studies in Construction Materials, Volume 21, 2024, e03624, ISSN 2214-5095, <https://doi.org/10.1016/j.cscm.2024.e03624>.
2. Ankit Asthana et al. "Mechanical, Surface and Wear Analysis of Hybrid AA6082 Reinforced with Boron Carbide and Pistachio Shell Powder Composite Developed Using Stir Casting Technique". SAGE, Journal of Mechanical Engineering Science.
3. Ankit Asthana et al. (2022), An Interpretive structural modelling approach to lean manufacturing obstacles, International Journal of mechanical Engineering, Vol 7(5), 81-88.
4. Ankit Asthana, Vivek Srivastava (2021), Analysis of mechanical strength and Young's modulus of ultrasonically functionalised CNT-epoxy composites, Advances in Materials and Processing Technologies, 7 (2), 1105-1112. (Citation-, Impact factor-1.56)
5. Ankit Asthana and Vivek Srivastava (2021), Mechanical behavior of silk/hemp/steel wool – Epoxy composite, Elsevier's- Materials Today, 44 (P1), 2228-2231. (Citation-1, Impact factor-1.24)
6. Ankit Asthana and Vivek Srivastava (2021), Hardness and Impact Strength of Glass Fiber/Coir – epoxy composite, Journal of Interdisciplinary Cycle Research, 13, 434-440.
7. Ankit Asthana and Vivek Srivastava (2021), Hardness and Impact Strength of Silk/Hemp–epoxy Composite, International Journal of Fracture and Damage Mechanics, 7(1), 34-38.

8. Ankit Asthana et al. (2021) Fabrication of Motorized Screw Jack Machine, International Journal of All Research Education and Scientific Methods, 9(7), 503-506.
9. Ankit Asthana, Shakun Srivastava, (2011) Produce electricity by the use of speed breakers, Journal of engineering research and studies, 2(1), 163-165.
10. Ankit Asthana ,Vivek Srivastava, R.B. and S.S. Abdi,2018, "A review on Human Hair Reinforced Polypropylene Composites", Proceedings of National Seminar on Advances in Materials, Manufacturing and Renewable Energy Systems. 2018 pp 169-176
11. Ankit Asthana ,Vivek Srivastava, R.B. and S.S. Abdi,2018, "Frame work for development of solar ocean thermal power plant", Proceedings of National Seminar on Advances in Materials, Manufacturing and Renewable Energy Systems 2018 pp 343-352.
12. Ankit Asthana and Vivek Srivastava, 2021 Hardness and Impact Strength of Silk/Hemp – epoxy composite. Proceedings of International conference on Modern approaches in engineering science and management.
13. Ankit Asthana and Vivek Srivastava, 2021 "Design and fabrication of vortex cooler with high pressure stream for cooling Air." Proceedings of International conference on Challenges and opportunities for innovation in India.
14. Organized a Seminar on "Role of Renewable Energy in Energy Conversation" in BBD Institute of Technology and Management, Lucknow on 26-06-2021.

Books Authored:

Book authored on title "Dynamics of Railway Wheel" ISSN No. 9789359929651 published in 2024.

Reviewer of Journals:

1. Reviewed 6 Research Papers in Elsevier's Materials Today.
2. Reviewed 1 Research Paper in Advance in Science, Technology and Engineering Systems Journal (ASTES)

Patents Granted:

1. National Patent granted in 2024 for 10 Years on topic "Die Set for Metal Matrix Composites Product Preparation."
2. International Patent by UK Patent Office granted in 2025 for 5 Years on topic "Composite Apparatus for Additive Manufacturing to Create Composite Structure"

Invited Speaker:

Delivered Guest Lecture on "Computer Integrated Manufacturing (CIM)" at DMSRDE Kanpur (Defence Materials and Stores Research And Development Establishment).

Auditor

Appointed as an **Auditor** from AKTU in Sehkari Sugar Mill, Shahjahanpur.

Workshop/FDP/Short-term Course:

1. Attended 5 days **ATAL FDP** on “Advanced Manufacturing for Industry 4.0: Integrating Additive Technologies and Sustainable Practices” from 15/11/2025 to 22/11/2025 organized by All India Council for Technical Education.
2. Attended 5 days Workshop on “Optimization in oil and gas and chemical industry” from 07-02-22 to 11-02-22 organized by Rajiv Gandhi Institute of Petroleum and Technology.
3. Attended 5 days FDP on “Innovation in Mechanical and Automation Engineering: Issues, Challenges and Solutions” from 21-06-21 to 25-06-21 organized by Amity University.
4. Attended 2 days Workshop on “Takniki shabdawali” from 16-08-19 to 17-08-19 organized by Commission for Scientific and Technical Terminology.
5. Attended 5 days FDP on “Emerging Research Areas in Engineering & Technology” through ICT from 04-06-18 to 08-06-18 organized by NITTTR, Chandigarh.
6. Attended 5 days FDP on “Emerging Trends in computational Intelligence” from 18-06-18 to 22-06-18 organized by AKTU.
7. Attended 5 days FDP on “Manufacturing Technology & Automation” from 27-05-19 to 31-05-19 organized by CAS, AKTU.
8. Attended 5 days FDP on “Drone view of hotspots in mechanical engineering” from 25-05-20 to 29-05-20 organized by St. Peter institute of higher education and research.
9. Attended 5 days workshop on “Mission 10x” at Kanpur Institute of Technology from 12-09-11 to 16-9-11 organized by Wipro.

Membership:

International Association of Engineers (IAENG)

(Dr. ANKIT ASTHANA)