

**Dr. Vineet Kumar**  
**Assistant Professor (MAE)**

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**Educational Qualification:**

- ❖ Ph.D (Design Engineering) from Indian Institute of Technology Roorkee, (Uttarakhand) in January 2015.
- ❖ M.Tech. (Design & Production Engineering) from G.B. Pant University of Agril. & Technology Pantnagar in January 2005.
- ❖ B.Tech. Production Engineering from G.B. Pant Univ. of Agril. & Technology Pantnagar. U.S.Nagar, (Uttarakhand) in 2000.

**Area of Interest:** Fatigue, Fracture, Finite Element Analysis and Cryo-rolling.

**Teaching Experience:** 6.5 years

**Industrial Experience:** 2.0 years

**Paper Published**

- Improved fracture toughness of cryorolled and room temperature-rolled 6082 Al alloy (2014), *Acta Metallurgica Sinica*, Vol. 27, pp. 359-367.
- XFEM, Crack Growth Examination of Cryo-Rolled (CR) 6082 Al Alloys (2014), *International Journal of Emerging Technology and Advanced Engineering*, ISSN 2250-2459, Volume 4, pp. 264-271.
- Experimental Investigation of Fatigue Behavior of CR and RTR 6082 Al-alloy (2014), *Procedia materials Science Journal*, Vol. 6, pp. 1919-1926.
- Investigation of tensile and impact-toughness behavior of cryorolled and room temperature rolled 6082 Al alloy (2014), *Materials Science and Performance*, Vol. xxx, pp. xxx. (Under review).
- Crack growth simulation of cryo-rolled and room temperature rolled 6082 Al alloys. *Journal of Computational Engineering*, Vol. xx, pp. xxx. 2014 (Under Review).

**Conferences during PhD work:**

- Tensile strength and impact toughness properties of cryorolled 6082 Al alloy 23- 24 May 2013 in National Institute of Technical Teachers' Training and Research Chandigarh.
- Improved fracture toughness behavior of cryorolled 6082 Al alloy, 23-26 October 2013 in Delhi technological university Delhi (STME 2013).
- Tensile testing and finite element simulation of cryorolled 6082 Al alloys 12-15 November 2013 in IIM Varansi U.P.
- Experimental evaluation of fatigue life of the room temperature rolled 6082 Al alloy IIT Roorkee Shaharanpur Campus U.K.
- XFEM, Crack Growth examination of Cryo-Rolled (CR) 6082 Al Alloys, Advanced developments in Engineering and Technology, 15-16 February 2014 in Lord Krishna college of Engineering Ghaziabad.
- Experimental Investigation of Fatigue Behavior of CR and RTR 6082 Al-alloy, 3rd International Conference on Materials Processing and Characterization (ICMPC 2014) Hyderabad.
- Flow stress of 6082 Al alloy at elevated temperature, (NCMST-14) 10-11 March 2014 in MMMEC Gorakhpur.