

CV of Deepak Kumar

Address: **Deepak Kumar**
Department of Mechanical Engineering
IIT (ISM) Dhanbad
Jharkhand 826004
Email: deepakme521@gmail.com / deepak.17dr000452@mech.ism.ac.in
Contact: 9905240069

Current Position:

Research scholar at Indian Institute of Technology (ISM) Dhanbad under the guidance of Dr. Vivek Bajpai and Dr. Nirmal Kumar Singh (Date of joining: 02/08/2017)

Education:

- M.Tech** Mechanical Engineering (Spl. In Manufacturing Engineering)
Indian Institute of Technology (ISM) Dhanbad
Supervisor: Dr. Alok Kumar Das
Thesis title: Synthesis and characterization of nickel nanoparticles through Micro-EDM.
Result: First class with distinction
Year of passing: 2016
- B.Tech** Mechanical Engineering
Ranchi University, Ranchi (Jharkhand)
Result: First class with distinction
Thesis title: Development of seesaw water pump to reduce the human efforts.
Year of passing: 2012

RESEARCH INTEREST

- Tool based machining/micromachining of hard and brittle materials
- Hybrid micromachining
- Micro/Nano EDM
- Nanostructured materials

TEACHING/RESEARCH EXPERIENCE

04 Years teaching and research experience including duration of PhD

PAPER /PUBLICATIONS

- Kumar, P., Singh, P. K., **Kumar, D.**, Prakash, V., Hussain, M., & Das, A. K. (2016). A novel application of micro-EDM process for the generation of nickel nanoparticles with different shapes. *Materials and Manufacturing Processes*, 1- 9. (SCI-IF-2.669).

INTERNATIONAL CONFERENCES

- Abhijeet Sethi, **Deepak Kumar**, Pankaj Kumar, and Alok Kumar Das. "The effect of ultrasonic vibration on the surface integrity of SS304 micro-holes drilled by micro EDM" *Advances in Dynamics, Vibration and Control (ICADVC) 2016*, 25-27th, February 2016, (NIT) Durgapur, India.
- **Deepak Kumar**, Shakti Kumar, Dheeraj Kumar, Nirmal Kumar Singh, "Effect of two different dielectrics on the machining performance and their parametric optimization by response surface methodology" *International Conference on Advances in Materials and Manufacturing Engineering (ICAMME-2019)*, 15-17th, March 2019, (KIIT Bhubaneswar), India.