Faculty Profile

Name:	**Vivekananda Kukkala**
Designation:	Assistant Professor
Teaching areas:	Manufacturing Processes, Production Techniques, Non-conventional Machining Process, Advances in Materials Sciences, Thermodynamics.
Research interests:	Ultrasonic Vibration Assisted Manufacturing Process, Extrusion Process, LASER Cutting/Welding process, Wire Cut EDM process, Optimization Techniques.
Education:	(Ph.D.), Mechanical Engineering, NIT, Rourkela, 2019. M.Tech (Production Technology) in Mechanical Engineering, NIT, Rourkela, 2012. B.Tech in Mechanical Engineering, JNTU, Hyderabad, 2010.

Total Professional Experience: **(Total 4 Years)**

1. 07/06/2016-Till date: Assistant Professor, FST, IFHE, University, Hyderabad.

Research/Selected Publications

1. K. Vivekananda, G.N. Arka, S.K. Sahoo, “Finite element analysis and process parameters optimization of ultrasonic vibration assisted turning (UVT)”, Procedia Materials science, vol. 6, pp. 1906-1914, 2014.
2. K. Vivekananda, G.N. Arka, S.K. Sahoo, “Design and Analysis of Ultrasonic Vibratory Tool (UVT) using FEM, and Experimental study on Ultrasonic Vibration-assisted Turning (UAT)”, Procedia Engineering, vol. 97, pp. 1178-1186, 2014.
3. Anshuman Kumar, K. Vivekananda and Kumar Abhishek. Experimental Investigation and Optimization of Process Parameter for Inconel 718 Using Wire Electrical Discharge Machining (WEDM), Journal of Advanced Manufacturing Systems, vol.18, No.03, pp.339-362,2019.
4. V. Kukkala, S.K. Saho, “Experimental Study In Ultrasonic Vibration-assisted Turning (UVT) and comparison with conventional turning”, International Journal of Advanced Materials Manufacturing & Characterization, vol. 3, Issue 1, pp. 451-454, 2013.
5. A. Kumar, H. Mishra, K. Vivekananda, K.P. Maity, “Multi-objective optimization of wire electrical discharge machining process parameters on Inconel 718”, Materials today,vol. 4,pp. 2137–2146, 2017.