

**Name of the Faculty : Dr. Vikas Gohil**  
**Position : Asst. Prof in Mechanical Engineering**

### **International/ National Journals (SCI)**

1. Vikas Gohil, Y M Puri, "Turning by Electrical Discharge Machining: A review" Proc. IMechE, Part B: Journal of Engineering Manufacture, 2017 Vol. 231 (2), pp. 195-208.
2. Vikas Gohil, Y M Puri, "Statistical Analysis of Material Removal Rate and Surface Roughness in Electrical Discharge Turning of Titanium Alloy (Ti-6Al-4V)". Proc. IMechE, Part B: Journal of Engineering Manufacture, DOI: 10.1177/0954405416673104.
3. Vikas Gohil, Y M Puri, "Experimental Investigation of Surface Roughness in Electrical Discharge Turning Of Ti-6al-4v Alloy". The Transactions of FAMENA.
4. Vikas Gohil, Y M Puri, "Multi-objective Optimization of Material Removal Rate and Surface Roughness in Electrical Discharge Turning of Titanium Alloy (Ti-6Al-4V)", Indian Journal of Engineering & materials Sciences, 2017 Vol. 24 (6), pp. 429-436.

### **International Conferences**

1. Vikas Gohil, Y M Puri, "Optimization of electrical discharge turning process using Taguchi-Grey relational approach", accepted for publication in The **19<sup>th</sup> CIRP Conference** on Electro Physical and Electro Chemical Machining (19<sup>th</sup> ISEM) 23-27 April 2018 in Bilbao, **Spain** (SCOPUS Index)
2. Vikas Gohil, Y M Puri, "A study on the effect of tool electrode thickness on MRR, and TWR in electrical discharge turning process", in The International Conference on Recent Advances in Materials & Manufacturing Technologies (IMMT 2017) on 28-29th November 2017 in **BITS Pilani, Dubai Campus, UAE** (SCOPUS Index)
3. Y M Puri, Vikas Gohil, " Experimental Study of Material Removal Rate in Electrical Discharge Turning of Titanium Alloy (Ti-6al-4v)", in The International conference on Mechanical and Aeronautical Engineering (ICMAE) 28-30, 2016 **Hong Kong** (SCOPUS Index)
4. Vikas Gohil, Y M Puri, "Experimental Investigation of Surface Roughness in Electrical Discharge Turning Process", The 19th International **ESAFORM Conference** on Material Forming, April 27-29th 2016 Nantes, **France** (SCOPUS Index)
5. Vikas Gohil, Y M Puri, "Optimization Of EDM Parameters On Machining En 19 Alloy Steel Using Taguchi Method And Grey Relational", International Conference On Advances In Production And Industrial Engineering INCAPIE 20-21, February 2015, **NIT Trichy**, India.
6. Vikas Gohil, Y M Puri, "Multi Response Optimization In Electric Discharge Machining Using Grey Relational Analysis", International Conference On Advances In Materials And Product Design AMPD 10-11, January 2015. **SVNIT Surat**, India.
7. Vikas Gohil, Y M Puri, "Recent developments and applications in electro discharge machining: A brief review", Proceedings of the National Conference on Recent Advancements in Manufacturing RAM 2014 pp. 120-125, **SVNIT Surat**, India.