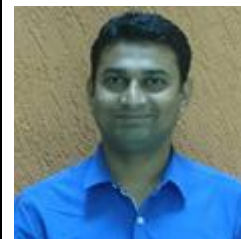


Faculty Name: Dr. Gaurav Dinkar Sonawane



Designation : Associate Professor

Mail ID: Gaurav.Sonawane@sitrc.org

BIO

Dr. Gaurav Dinkar Sonawane is an Associate Professor in the Mechanical Engineering Department of SITRC, Nasik, India. He got his Masters and PhD. in Mechanical Engineering from Dr. B. A. T. University, Raigad. His research interest is in Material Science and Manufacturing. This includes research on PVD coatings with advanced deposition techniques during dry machining. His research has been disseminated in several internationally reputed SCi journals and international conferences. His peripheral interests lie in activities that include Sports, Travel & Music.

Qualification:

1. BE (Mechanical Engineering)
2. M. Tech. (Mechanical (Manufacturing) Engineering)
3. PhD (Mechanical (Manufacturing) Engineering)

Paper Publications details:

1. International Journal: **09 (03 SCi, 01 Scopus)**
2. International Conference: **03**
3. Patent : **03**

Area Research Work:

Dr. Gaurav Sonawane has carried out some outstanding research projects. His prime work is on machinability study of DSS 2205. A Research work carried out on dry turning of DSS2205 using coated tools supported by CemeCon, Germany and Balzer, India and Switzerland. It is a study of the effect of Physical Vapor Deposition (PVD) coatings deposited by advanced deposition techniques including HiPIMS (CemeCon) and S3p (Balzer) on Tool Wear, Tool Life, Cutting Force, Cutting Temperature and Surface Roughness during Duplex Stainless Steel (DSS) 2205 dry turning. The research work is carried out with 2 stages. First stage includes metallographic study of tool materials and coatings used and in later part the machining performance was tested to correlate with the properties of tool and coating material.

Experience:

1. Teaching experience : 14
2. Research experience : 05

Subjects:

1. Engineering Metallurgy
2. Material Science
3. Metrology and Quality Control
4. Advanced Manufacturing Processes
5. Heat Transfer
6. Product Design and Development
7. Automobile Engineering.