

## Faculty Profile

Name : MANSI  
Designation : Assistant Professor  
Qualifications : Ph.D (Pursuing),  
M.Tech (NITTTR,Chd)  
(Hons),  
B. Tech (GGSIPU)  
Phone : 7678488354  
Email : mansi@msit.in  
Area of Interest/Specialization : Manufacturing Technology,  
Additive Manufacturing,  
Condition Monitoring.  
Experience : 1.5 years



1. Assistant Professor in Maharaja Surajmal Institute of Technology (MSIT), affiliated to Guru Gobind Singh Indraprastha University, Delhi
2. Assistant Professor in University School of Automation and Robotics, Guru Gobind Singh Indraprastha University, Delhi from December 2021 to March 2022

### Key Publications

1. Mansi, Saini, K, Vanraj *et al.* MODWT and VMD Based Intelligent Gearbox Early Stage Fault Detection Approach. *J Fail. Anal. and Preven.* **21**, 1821-1837 (2021). (ESCI)
2. Mansi, Sukhdeep S Dhami, Vanraj MODWT, PCA and Decision Tree based Fault Diagnosis of Gear. *Journal of University of Shanghai for Science and Technology.* V.23, ISSN: 1007-6735. (Scopus)

### Papers presented in Conferences

1. MODWT based novel Health Indicator for Incipient gear fault diagnosis. National Conference on Advancements in Manufacturing Technology NCAMT (NITTTR Chd, March 2021) (Scopus)

### Book Chapter/ Books published

1. Mansi, Saini K, Vanraj, Dhami SS. MODWT-based Novel Health Indicator for Incipient Gear Fault Diagnosis. In *Advances in Manufacturing Technology 2022* (pp. 189-200). CRC Press. (Scopus)
2. Mansi, Kumar, H., Singholi, A.K.S., Moona, G. (2022). Additive Manufacturing: A Brief Introduction. In: Aswal, D.K., Yadav, S., Takatsuji, T., Rachakonda, P., Kumar, H. (eds) *Handbook of Metrology and Applications*. Springer, Singapore.
3. Mansi, Kumar, H., Singholi, A.K.S. (2023). Additive Manufacturing Metrology. In: Aswal, D.K., Yadav, S., Takatsuji, T., Rachakonda, P., Kumar, H. (eds) *Handbook of Metrology and Applications*. Springer, Singapore.

## **Workshop Attended**

1. Attended a Management Development Program titled “Strategies for Success and Happiness: The Deconditioned Self” at MSIT, Delhi.
2. Attended Faculty Development Programme (FDP) on Modern Trends in Manufacturing and Thermal Sciences (MTMTS-2022) at NIT, Delhi, (April 5 – 10, 2022)

## **Awards and Recognition**

1. Certified and secured 100% in National level online Quiz on “Automation and Robotics”,2020