



Dr. M. Ramakrishnan

Professor

Hindustan Institute of Technology and Science

pt.mkrishnan@hindustanuniv.ac.in

Total Experience (in years): 32

Research Area: **Engineering Design, FEA, Composite Materials & Product Design, Ultra-High Pressure Composite Cylinder for CNG & H₂, FRP/GRP Piping Design**

Recent Publications:

1. Jesmen, S.P., Jeyapoovan, T., Ramakrishnan, M., and Rajasekar, S.C., "Design and analysis of air suspension system of bhara benz 914 & 917", *International Journal of Engineering and Advanced Technology*, Volume 8, Issue 4, pp. 68-73, 2019.
2. Akshay Todakar, Nakandhrakumar R.S., M. Ramakrishnan, and V.Meenakshisundaram "Vibration signature based monitoring of FSW process and verification by FEA", *Proceedings of International Conference on Mechanical Engineering Design (ICMechD-2019)*, SSN College of Engineering, Chennai, 2019.
3. Krishnakumari, Savanna, Ramakrishnan, Sai Manikanta Ponnuri, and Reddy Srinadh, "Vibration Condition Monitoring of Spur Gear using Feature Extraction of EMD and Hilbert - Huang Transform", *Proceedings of International Conference on Intelligent Manufacturing and Energy Sustainability (ICMES-2019)*, Malla Reddy College of Engineering & Technology, Secundrabad, 2019.
4. Raviteja Natti, S. Darius Gnanaraj and M. Ramakrishnan, "Design Enhancement and Finite Element Analysis of a Prosthetic Hand with Composite Material", *Proceedings of International Conference on Frontiers in Engineering, applied Sciences and Technology (FEAST'17)*, NIT, Tiruchirapalli, 2017.