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| TEACHING EXPERIENCE | <p>GRADUATE TEACHING ASSISTANT // Aug '20 – Dec '20 College of Engineering, Texas A&M University</p> <ul style="list-style-type: none"> • Head Teaching assistant for Engineering Mechanics, a sophomore level course with 450 students • Ensure smooth running of recitation classes, undertaking weekly help sessions for students, forming and grading class projects and examinations, and delegate duties to the graders and other TAs <p>GRADUATE TEACHING ASSISTANT // Jan '20 – May '20 College of Engineering, Texas A&M University</p> <ul style="list-style-type: none"> • Teaching assistant for Engineering Mechanics with 100 sophomore students enrolled • Gaining experience in instructing students, finding and conveying innovative solution techniques along with forming, and grading assignments and examinations <p>TEACHING ASSISTANT // Jul '14 – Apr '15 Mechanical Engineering Department, IIT Bombay</p> <ul style="list-style-type: none"> • Teaching Assistant for Mechanical Workshop Practice Lab and Engineering Graphics and Drawing, two freshmen courses with 400 students enrolled • Helped in training students on various projects, performed instructor and grader duties |
| AWARDS AND RECOGNITIONS | <ul style="list-style-type: none"> • 2020 mechanical engineering graduate summer research grant // May '20 • Passed the Ph.D. Qualifying Examination // Jan '20 • Mill turn techno “Rookie” award, Dassault Systèmes // Aug '16 • Delmia “Best newcomer” award, Dassault Systèmes // Jul '16 • Merit-cum means scholarship, IIT Bombay // Jul '10 – May '14 • CBSE merit scholarship for professional studies-AIEEE // Jul '10 – May '14 |
| PUBLICATIONS | <ul style="list-style-type: none"> • Invited feature article: Liang, H., Chen, Y., Jha, S., Raut, A., & Zhang, W. (2020). “Performance Characteristics of Lubricants in Electrical and Hybrid Vehicles: A Review of Current and Future Needs.” <i>Frontiers in Mechanical Engineering</i>: 6, 82. • Chen, Y., Jha, S., Raut, A., Parkinson, D. Y., Zhang, B., Elwany, A., & Liang, H. (2020). “Tomography of 3D-Printed Lattice Structured Aluminum-Silicon Alloy and Its Deformation.” <i>3D Printing and Additive Manufacturing</i>. • Jithin, S., Raut, A., Bhandarkar, U. V., & Joshi, S. S. (2020). "Finite Element Model for Topography Prediction of Electrical Discharge Textured Surfaces Considering Multi-Discharge Phenomenon." <i>International Journal of Mechanical Sciences</i>: 105604 • Jithin, S., Raut, A., Bhandarkar, U. V., & Joshi, S. S. (2018). "Fe modeling for single spark in edm considering plasma flushing efficiency." <i>Procedia Manufacturing</i> 26: 617-628 |
| ACADEMIC COURSES | Corrosion Engineering, Surface Science, Ultra-Precision Machining, Advanced Manufacturing Processes, Design for Manufacturing, Computer Integrated Manufacturing, Rapid Product Development, Intelligent Manufacturing Systems |