



Department of Freshman Engineering

Faculty Profile

Name : Dr. K.Govardhana Reddy
Designation : Assistant Professor (Mech)
Qualification : M.Tech., Ph.D.
Total Experience : 10 years
JNTUH ID : 67150407-140936
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Publications:

1. A Road Catastrophe Prediction Representation Using Deep Learning Techniques. IJESR/Apr-Jun. 2024/ Vol-14/Issue-2/1700-1711.
2. Drugs Preposterous Pharma co vigilance Classification Using Artificial Intelligence And Machine Learning Techniques Industrial Engineering Journal ISSN: 0970-2555 Volume: 53, Issue 6, June: 2024.
3. Development of a Pellet Rotation System **for Automated Visual Inspection**. DOI: https://doi.org/10.1007/978-981-99-6774-2_21 (Springer).
4. Performance and Emission Analysis on Four-Stroke Diesel Engine by the Use of Canola Oil With Different Additive Particles DOI link: https://doi.org/10.1007/978-981-19-69454_10 (LNME Springer).
5. Performance and Emission Analysis on Four Stroke Diesel Engine by the use of Linseed Oil with Additive Particles. Vol. 7 No. 1 January, 2022; ISSN: 0974-5823. (LNME Springer) (DOI:[10.1007/978-981-19-6945-4_10](https://doi.org/10.1007/978-981-19-6945-4_10)).

5. The Influence of Different Nanoparticles Incorporated Fuel Blend on Diesel Engine Performance and Emission Characteristics. Vol. 6 No. 3 December, 2021; ISSN: 0974-5823.(Scopus indexed Journal)
6. The Effect of Linseed Diesel Blends and Nano additives on Diesel Engine Performance and Emission Characteristics. Vol. 6 No. 3 May, 2022; ISSN: 0974-5823. (Scopus indexed Journal)
7. Experimental investigation of performance characteristics on four stroke single cylinder water cooled Diesel engine by using linseed oil as biofuel-IJSRME, VOLUME4, ISSUE1.
8. Experimental Fabrication of Economical SegWay.IJATET 2018 Special issue, at ICIME 2018.
9. Experimental investigation of effect on Exhaust gas recirculation (EGR) on reduction of diesel engine Emission and its analysis at various cooling loads. IJATET 2018 Special issue, at ICIME 2018.
10. Design, analysis and Fabrication of heat pipe. IJRAME, VOLUME3, ISSUE9, 2015.
11. Simulation of unmanned underwater vehicle.IJSRME, VOLUME29, 2016.

Faculty development programs attended:

1. NPTEL: **Introduction to operating systems** 8 weeks course successfully completed in Sep 2024.
2. NPTEL: **Cloud Computing** 12 weeks course successfully completed in April 2024 with Elite Grade
3. NPTEL: **Internet of things** 12 weeks course successfully completed in Oct 2023 with Elite Grade.
4. NPTEL: **Manufacturing process technology** 12 weeks course successfully completed in Apr 2019.
5. Participated Two weeks UGC Sponsored refresher course on “**Artificial Intelligence**” in JNTUH From 10/07/2023 to 24/07/2023.
6. Participated one week FDP on “**Challenges in Artificial Intelligence**” in NIT Warangal From 24/04/2023 to 28/04/2023.

7. Participated one week FDP on “Material Processing” in VIT-AP From 29/03/2023 to 01/04/2023.
8. Participated one week FDP on “Design and Thermal applications” in NIT-Jamshedpur From 29/05/2023 to 02/06/2023.
9. Participated one week FDP on “Composite Materials” in Karpagam University From 08/05/2023 to 013/05/2023.
10. Participated one week FDP on “Global Conversations in Mechanical Engineering” in MITS, Madanapalli from 19/02/2024 to 23/02/2024.
11. Participated one week FDP on “Python, SQL & Power BI” in BSIET, Kolhapur, from 12/02/2024 to 17/02/2024.
12. Participated one week FDP on “Green Manufacturing” in NITTR, from 29/01/2024 to 02/02/2024.
13. Participated one week FDP on “Digital Twinning of materials” in NITTR, from 05/02/2024 to 09/02/2024.
14. Role of 3D Printing in Digital Manufacturing”, organized by Centre for Research in Digital Manufacturing (CRDM), Dept. of Mechanical Engineering, School of Engineering, Anurag University on 03rd to 07th July 2023.
15. Attended an AICTE Sponsored FDP on Fatigue and fracture mechanics in FEM at Madanapalle institute of technology from march 3rd to march 15, 2014.
16. Attended an AICTE Sponsored FDP on Rapid Casting Techniques at GURUNANAK INSTITUTE OF TECHNOLOGY from November 27th to December 9, 2017.

- 17.** Attended a AICTE-ISTE Sponsored FDP on Refrigeration and Automobile air conditioning at MVSR ENGINEERING COLLEGE From july 23rd to 28th july,2018.
- 18.** Attended a Faculty Development Program on Modeling and Simulations using Finite Element Methods at Indian Institute of Technology, Roorkee from 7th to 11th January 2014.