



DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE Affiliated to JNTU Kakinada)

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FACULTY PROFILE

Name of the faculty

Mr. Putti Venkata Siva Teja

Designation

Assistant Professor

Email & Phone No

pvisteja1990@gmail.com
9912484142

Department

Mechanical Engineering



Educational Background

1. Pursuing Ph.D., From Annamalai University, TN
2. M.E From Sathyabama University, Chennai
3. B.Tech From GITAM University, Visakhapatnam

Research Areas

Composite and Alloy Materials

Experience

07 Years

Date of Joining

17-05-2016

Sl. No	Institute	Designation	Period
3	DhaneKula Institute of Engineering & Technology	Assistant Professor	2016-Till Date
2	Gudlavalleru Engineering College	Assistant Professor	2015-2016
1	GVPR Engineers Limited	Graduate Engineer Trainee	2012-2013

Book Chapters

- Published Book Chapter titled “Biohydrogen Production from Biomass” in Bioenergy Research: Revisiting Latest Development by Springer with ISBN: 978-981-33-4614-7
- Published Book Chapter titled “Drilling of glass fiber reinforced plastics (GFRPs): An experimental investigation and finite element study” in Woodhead Publishing Series in Composites Science and Engineering Hole-Making and Drilling Technology for Composites Advantages, Limitations and Potential. ISBN: 978-0-08-102397-6

List of Publications (National and International Journals)

- Published a paper on “**Design & Analysis of an Artificial Ankle Joint Under Various Loading Conditions**” in International Research Journal of Engineering and Technology Volume: 08 Issue: 04 | Apr 2021, ISSN: 2395-0056.
- Published a paper on “**Empirical Modeling of Roughness Parameters in Drilling Composites- A Response Surface Approach**” in materials today proceedings Volume 16, Part 2, 2019, Pages 1117-1123. <https://doi.org/10.1016/j.matpr.2019.05.203>.
- Published a paper in Journal of Applied Mechanics and Materials on “**Multiple Response Optimization of Drilling a Particle Board Using Grey Relational Analysis**” at International Mechanical Engineering Congress conducted by NIT, Tiruchirappalli, which is published in Applied Mechanics and Materials Vols.592-594 (2014) pp 530-533.
- Published a paper on “**ANFIS modeling of delamination during drilling of Medium Density Fiber (MDF) board**” at 12th Global Congress on Manufacturing and Management conducted by VIT, Vellore. Procedia Engineering 97 (2014) 258 – 266.
- Published a paper on “**A Fuzzy Logic Model To Evaluate Thrust Force In The Drilling Of Medium Density Fibre Board**” at All India Manufacturing Technology, Design and Research Conference conducted by IIT Guwahati.
- Published a paper on “**A Review on Applications of Image Processing in Inspection of Cutting Tool Surfaces**” at First International Conference on Advances in Materials and Manufacturing Engineering conducted by Sri Sai Ram Engineering College.
- Published a paper on “**Finite Element Analysis in Drilling GFRP Composites**” at Indian Journal of Science and Technology Vol 8(15), DOI: 10.17485/ijst/2015/v8i15/59588.
- Published a paper on “**Analysis of Effect of Internal Structures on Tensile Strength of the FDM Parts**” in International Journal of Pure and Applied Mathematics. Volume 115 No. 6 2017, 123-131 ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version)

Utility Patents

- Title of the invention “**Novel Osteoconductive material composition and coating thereof.**” Australian Official Journal Of Patents 29 October 2020 (ISSN 0819-1794) Patent number: 2020102595
- Title of the invention: “**Material and Method of Coating Conductive Oxides For Solid Oxide Cells Application**” International Classification: H01M0008124000, C23C0004110000, C23C0004134000, H01M0008022800, C23C0004020000 Publication Date : 21/02/2020
- Title of the invention: “**Composite Layered Protective Coat for Solid Oxide Fuel Cell Applications**” International classification :H01M8/00 Publication Date : 09/08/2019
- Title of the invention: “**Deposition of Solar Reflective Coat on the Outer Wall of Plastic Container for Enhanced Solar Water Disinfection Applications**” International classification :H02S20/00 Publication Date : 10/05/2019

Design Patents

- Title of the invention: “**Spring Activated Pressure Tank for Water Purifier- Circular**” Journal No. 05/2021 Dated 29/01/2021
- Title of the invention: “**Mechanical Counter for pressure Cooker**” Journal No. 04/2021 Dated 22/01/2021
- Title of the invention: “**Aerosolid Tyre for Motorcycle**” Journal No. 45/2020 Dated : 06/11/2020
- Title of the invention: “**Airless Tyre for Motorcycle**” Journal No. 13/2021 Dated 26/03/2021

National/ International Conferences

- Presented a paper on “**Effects of Heat Treatment on Mechanical Properties of Ti-6Al-4V alloy**” at International Conference on Materials, Manufacturing and Machining conducted by Bannari Amman Institute of Technology, Erode.
- Presented a paper on “**Applications and Features of Ti6Al4V Alloy**” at 8th International Conference Conducted by Sri Ganesh School of Business Management, Salem.
- Presented a paper on “**ANFIS modeling of delamination during drilling of Medium Density Fiber (MDF) board**” at 12th Global Congress on Manufacturing and Management conducted by VIT, Vellore.
- Presented a paper on “**A Review on Applications of Image Processing in Inspection of Cutting Tool Surfaces**” at First International Conference on Advances in Materials and Manufacturing Engineering conducted by Sri Sai Ram Engineering College.

Organized Workshops

- Co-Convener of Students Development Programme On “**Solid Works**” organized by ASME, MEA and IE(I) student chapters during 14th – 19th March, 2016 in Gudlavalleru Engineering College.
- Organizing committee member for faculty development programme on “**Computational Fluid Dynamics**” organized by Department of Mechanical Engineering on 2nd – 7th January 2018 in Dhanekula Institute of Engineering and technology.
- Organizing committee member for faculty development programme on “**Mechatronics & Automation**” organized by Department of Mechanical Engineering on 26th – 28th August 2019 in Dhanekula Institute of Engineering and technology.

Professional Societies Memberships: L MISTE, ISEST, IAENG, IFERP, UAMAE

Achievements/ Awards etc.,

- Got Best Researcher award for academic year 2019 by International Journal for Research Under Literal Access which is accredited by World Research Council.
- Gold Medal in Masters of Engineering.

Putti Venkata Siva Teja