

Profile



Name of the Faculty : Dr. D.R. Srinivasan

Department : mechanical Engineering

Designation : Assistant Professor

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Academic Experience : At present working as Assistant Professor, JNTUACE, Anantapuramu

Worked as Deputy Controller of Examinations, JNTUACE Anantapur
for two and half years

Worked as Officer in Charge of Hostels for JNTUACE, Kalikiri for one and half years

Worked as HOD i/c at JNTUACE, Kalikiri for one and half years

Worked as PMSSS Coordinator at JNTUACE, Kalikiri for one year.

Worked as NSS Coordinator at JNTUACE, Kalikiri for three and half
years.

Worked as Member, Board of Studies (UG), JNTUCE (Autonomous),
Pulivendula.

Worked as Member, Board of Studies (UG), JNTUCE (Autonomous),
Anantapuramu.

Officer –in-Charge of Academic Section at JNTUCE (Autonomous),
Pulivendula for two and half years.

Worked as HOD i/c at JNTUCE, Pulivendula for one and half years.

Worked as Officer in Charge of Transport, JNTUACEP for two years.

Observer, JNTUA University examinations, EAMCET & ECET,
State Government Recruitment Examinations.

Chief examiner, examiner & subject expert for many university examinations like Vidyaneekathan Engg. College, Vignan University, JNTUH, JNTUK & JNTUA.

Member of many university affiliation/ inspection committees.

Library In charge at JNTUCE, Anantapur.

As Assistant Superintendent for POLYCET, NEET, UPSC and other Government Recruitment Examinations.

Educational Qualifications: B.Tech 1994

M.Tech 2003

Ph.D 2014

Work Experience : Industry – Manufacturing -10 years

Teaching – 7 years 5 months as Adhoc Assistant Professor

(Sept. 2003-Feb 2011)

-- 12 years 10 months Assistant Professor (senior Scale)

Area of Specialization : Thermal Engineering, CAD and Manufacturing

Membership in Professional Bodies:

S.No	Title of the Award/Fellowship Received	Year of Award	International / National / State / University level	Name of the Agency or Body granting the award/Fellowship
1	100822960 Member	2016	International	ASME
2	M-150298-5 Member	2015	National	Institution of Engineers(India)
3	240972, Member	July 2019	International	IAENG INTERNATIONAL ASSOCIATION OF ENGINEERS
4	Member LM/2404/2020	2020	National	SOLAR ENERGY SOCIETY OF INDIA (SESI)
5	I2OR National Award	Sept. 2021	National	I2OR India

Ph. D. Guided	: Nil
Ph. D. Guiding	: 03
No. of FDP programmes Organised (one Week)	: 03 (one UGC Sponsored)
No. of FDP programmes Attended (one Week)	: 15
No. of Patents Published	: International -1 Self Locking Wheels for Automotive Tools Trolley Design application number: 6294369 Filing date: 04 July 2023 (UK Patent) Grant Date: 03.08.2023 National -2 1. Multi Axis Dedicated Machine For Machining Silicon The Patent Office Journal No. 50/2021 Date of Publication: 10/12/2021 2. Semi-Automatic Pneumatic Powered Rod Bending Machine Using Solenoid Valve The Patent Office Journal No. 50/2021 Date of Publication: 23.04.2021
Books Published	: International Publishers -3 1. Thermal Engineering, GCS Publishers, India , ISBN: 978-93-94304-88-8 2. Fundamentals of Engineering Thermodynamics (Submitted for Publication) 3. Fabrication of Solar Powered Reciprocating Water Pump Using IOT, LAMBERT Academic Publishing (International) (Submitted for Publication) 4. Surface Roughness Prediction of AL Alloy using ANN in CNC Machining, ISBN No. 978-620-3-58274-1, March-2021

S.No .	Month and Year of Publication	Title of the Paper	Name of the Journal	UGC listed/SCI/SCIE/Scopus /Thomson-Reuters indexed, etc.
1.	Dec. 2009	Effect of Fuel Injection Strategies on NO Emission in a DI Diesel Engine with Central Squish Lip Piston Bowl.	The Technology World ISSN 2180-1614	Peer Reviewed Journal
2.	Dec. 2010	The Simulation of the Effect of Fuel Spray Entrance Direction Vector on Temperature and Turbulent Kinetic Energy in the Gas Turbine Combustion Chamber	International Journal of Fluids Engineering ISSN 0974-3138	Peer Reviewed Journal
3.	Nov. 2013	Influence of Liquid Fuel Injection Velocities on Combustion in a taper can gas turbine combustion chamber	International Journal of Engineering Science and Innovative Technology ISSN: 2319-5967	Peer Reviewed Journal
4.	Oct-Dec. 2013	Penetration of Liquid Fuel Droplets for Different Fuel Injection Velocities in The Taper Can Gas Turbine Combustion Chamber	International Journal of Applied Engineering and Technology ISSN: 2277-212X	Peer Reviewed Journal
5.	July 2014	Effect of Inlet Air Temperature on Liquid Fuel Combustion in Taper Can Gas Turbine Combustion Chamber	Applied Mechanics and Materials e-ISSN No. 1662-7482	Peer Reviewed Journal
6.	July 2015	Multi Objective Optimization of Cutting Parameter in EDM Using Grey Taguchi Method	International Journal of Science & Research ISSN 2319-7064	Peer Reviewed Journal
7.	May 2021	Influence of inlet air temperature and its effects on combustion using liquid fuel combustion in a taper gas turbine combustor	Turkish Journal of Computer and Mathematics Education e-ISSN No. 1309-4653	Scopus
8.	Feb. 2022	IOT Based Energy Efficient System For Street Lights	Dogo Rangsang Research Journal ISSN : 2347-7180	Peer Reviewed Journal
9.	Mar. 2022	Experimental Investigation On Mechanical Characteritics And Fabrication Of Recycled PetPlastics For Irrigation	International Journal of Recent Scientific Research (IJMER) ISSN : 2277-7881	Peer Reviewed Journal
10.	April 2022	Movement Sensed Automatic Door Opening System for	International Journal for Modern Trends in Science and Technology	Peer Reviewed Journal

		Buses on Emergency Doors	(IJMTST) ISSN : 2455-3778	
11.	April 2022	Fabrication Of Solar Power Reciprocating Water Pump	International Journal for Modern Trends in Science and Technology (IJMTST) ISSN : 2455-3778	Peer Reviewed Journal
12.	Nov. 2022	Automobile Exhaust Energy Utilisation For Simultaneous Cooling and Heating With Peltier Modules	High Technology Letters ISSN NO : 1006-6748	Peer Reviewed Journal
13.	Aug.2022	Static And Thermal Analysis Of A Piston With Different Thermal Barrier Coatings	International Journal of Scientific Engineering and Research (IJSER) ISSN : 2347-3878	Peer Reviewed Journal
14.	March 2023	Analysis And Machining Of Disc Brake Plate On Three Axis CNC Machine	Dogo Rangsang Research Journal ISSN : 2347-7180	Peer Reviewed Journal
15.	March 2023	Weather Sensible Jacket	Dogo Rangsang Research Journal ISSN : 2347-7180	Peer Reviewed Journal
16.	March 2023	Designing and Performance Analysis of a Concentrated Solar Power System in Cold Arid High DNI Area	International Journal of Intelligent Systems and Applications in Engineering ISSN No. 2147-6799	Scopus Journal
17.	April 2023	Distillation Of Water Using Renewable Energy Sources	Juni Khyat ISSN : 2278-4632	Peer Reviewed Journal
18.	April 2023	Investigations on the Mechanical Properties Of Tungsten Carbide Reinforced Aluminium And Fly Ash Metal Matrix Composites by Stir Casting.	Juni Khyat ISSN : 2278-4632	Peer Reviewed Journal
19.	April 2023	Influence Of Process Parameters On Mechanical Properties Of 3D Printed Components	Juni Khyat ISSN : 2278-4632	Peer Reviewed Journal
20.	May 2023	Automatic Irrigation System With Suitable Seasons Based on Crops by using Soil Moisture	Juni Khyat ISSN : 2278-4632	Peer Reviewed Journal
21.	Sept. 2023	Optimal placement of time-varying distributed generators by using crow search and black widow - Hybrid optimization	Measurement: Sensors ISSN No.: 2665-9174	Scopus/SCI Journal

22.	Dec. 2023	Biosynthesis of ZrO ₂ from phyllanthus Niruri Extracts and its PVA Composite: Mechanical, Wear and Dielectric Properties	Biomass Conversion & Biorefinery ISSN No. 2190-6815 Under I Review	SCI Journal
23.	Jan 2024	A systematic Analysis of the role of Additive Manufacturing in Supply Chain Management	The International Journal of Advanced Manufacturing Technology ISSN No. 0268-3768 Under I Review	SCI Journal
24.	May 2024	Three-dimensional MHD mixed Convention upper Convective Flow of Maxwell fluid throughout the past in thermophoresis and Brownian motion with the Effects of Diffusion thermo and Thermal Diffusion utilizing nonlinear radiative heat flux	CFD Letters ISSN: 2180-1363 Vol.No. 16 No. 5, May 2024	Scopus/SCI Journal

International Conferences

S.No.	Title or Topic of Invited Lecture or Presentation	Month and Year of Presentation	Name of the conference/seminar	International (Abroad) / International (within country National / State / University level
1	Nitriding Treatment for Improvement of Eroded Surfaces	24-26 March 2023	International Conference on Materials, Manufacturing and Modelling, VIT, Vellore	International
2	Evaluation of Welding Procedures to Optimize the Corrosion Performance of AISI 304L Pipes	24-26 March 2023	International Conference on Materials, Manufacturing and Modelling, VIT, Vellore	International
3	Influence of Fuel Volatility for Different Inlet Air Temperatures in Taper Can Gas Turbine Combustion Chamber	7-8 March 2014	International Conference on Recent Advances in Mechanical Engineering and Interdisciplinary Developments [ICRAMID - 2014] ISBN 978-1-4799-3158-3 528	International
4	Effect on Optimization of Cutting Parameters in EDM using RSM Method		<i>Indian Technology Congress</i> <i>29th-30th July 2015</i>	International

5	Effect of Fuel Injection Angle on Combustion and Emissions Characteristics in Taper Can Gas Turbine Combustion Chamber	Nov. 2015	International Mechanical Engineering Congress(2015 IMECE), Houston, USA November 2015 (Sponsored by UGC)	International
National Conferences				
1	Simulation of the Effect of Fuel Injection Velocities in Can Type Gas Turbine Combustion Chamber	9th- 10th, October - 2010	National Conference on Innovations in Mechanical Engineering, ISBN: 978-93-82163-00-8	National
2	Effect of liquid Fuel Injection Velocities on Combustion in Can Type Gas Turbine Combustion Chamber	24th -25th May 2013,	National Conference on Trends in Mechanical Engineering (NC e-TIME'15) at JNTUACEA	National
3	Experimental & Numerical Investigation of MRR & SRR on CNC Machine for various P20 Tool Steel Materials			National
4	Impact of Inlet Air Temperature on Liquid Fuel Combustion in a Taper Can Gas Turbine Combustion Chamber	6 th -8 th Feb. 2015	NAFEMS India Regional Conference – 2015	National
5	Strength Assessment of Cobalt Chromium L-605 and Platinum 10 Iridium Stents by Finite Element Analysis		National Conference on Trends in Mechanical Engineering (NC e-TIME'16) at JNTUACEA	National
Invited Lectures				
1	Energy Storage Systems - SCADA	March 2023	IEI, JNTUA College of Engineering, Pulivendula	State