

List of Journals:

- “Investigation on tribological characteristics of ball burnished Mg Ze41A alloy by ANOVA and ANFIS techniques”, *Materials Today: Proceedings*, Vol. 98, No.1 , pp 86-90, 2024
- “Improved Weight Functions for Stress Intensity Factors of Semi Elliptical Crack in Steam Turbine Rotor System”, *Applied Engineering Letters* , Vol. 4, No.1 , *ISSN 2466-4847*, pp 24- 32, April 2019
- “Universal Weight Function Approach to Determine Stress Intensity Factors at Blade Mounting Locations in Steam Turbine Rotor System”, *International Review of Mechanical Engineering (I.R.E.M.E.)*, Vol. 12, Issue 6 , *ISSN 1970 - 8734*, pp 548-555, June 2018
- “Vibration Analysis of Simple Rotor with Transverse Crack”, *International Journal of Latest Technology in Engineering, Management & Applied Science*, Volume VII, Issue VI, pp 93-100, June 2018
- “Weight Function Approach for Semi Elliptical Crack at Blade Mounting Locations in Steam Turbine Rotor System”, *Periodica Polytechnica Mechanical Engineering*, 62(3), pp. 203-208, March 2018
- “Experimental and Finite Element Model Analysis of an un-cracked and cracked Cantilever beam”, *International Journal of Advanced Research in Science, Engineering and Technology*, Vol. 3, Issue 1, *ISSN: 2350-0328*, pp 1266-1274, January 2016
- “Finite Element Analysis of An Edge Cracked Plate Subjected to Mixed Mode Loading (I/II) and Combined Tension-Bending – A Comparative Study”, *International Journal of Control Theory and Applications*,42(9), pp. 15-20, 2016

List of Papers Published In Conferences/Workshops:

- “Charaterization of Al 6061 alloy reinforcement with Al₂O₃ ,SiC , TiO₂ & Fly ash using Stir Casting ” in international conference on Recent Advances in Materials , Manufacturing & Energy Systesm at VR Siddhardha Engineering College, Vijayawada on 3-4 January 2019.
- “Fault Diagnosis of a Combustion Ventilation Air Blower Unit Using Condition Monitoring” in national conference on Innovations in Engineering & Technology (NCIET 2013) at Gudlavalleru Engineering College, Seshadri Rao Knowledge Village, Gudlavalleru on 27th-28th December, 2013.
- “Condition Monitoring and Fault Diagnosis of a Combustion and Ventilation Air Blower Unit” in national conference on Innovations and Emerging Trends in Mechanical Engineering at Dept. of Mechanical Engineering & Technology, Bangalore on 11th May, 2012
- “Analysis of Cracked Cantilever Beam Using ANSYS” in national conference on Innovations and Emerging Trends in Mechanical Engineering at Dept. of Mechanical Engineering & Technology, Bangalore on 11th May, 2012

List Of Patents Published:

- ‘Hydroformed Axle Assembly with Weldless Brake Flange’ published on 16-09-2022
- ‘Design and Fabrication of Bluetooth-Controlled Robotic Arm for Automated Food Handling’ published on 03-01-2025

List Of Workshops Organized:

- Coordinator for one Week Online Faculty Development Programme on “Research Trends In Mechanical Engineering” organized at Gudlavalleru Engineering College , Gudlavalleru during 15-20th June 2020.
- Coordinator for Two week ISTE workshop conducted by IIT Bombay at Gudlavalleru Engineering College on “ Engineering Mechanics” during 26th Nov to 06th Dec 2013
- Coordinator for AICTE sponsored Two day Seminar on “Applications of Finite Element Methods in Engineering” organized at Gudlavalleru Engineering College , Gudlavalleru during 8-9th July 2011.
- Coordinator for State Level Students’ Technical symposium ‘MECHZEST 09’ organized by Mechanical Engineering Department at LB Reddy College of Engineering in March 2009.
- Member of organizing committee for 2nd national level students technical symposium ‘LAKSHYA 06’ at LB Reddy College of Engineering in October 2006 .

List of Workshops /Conferences /Seminars Attended:

- Two Week online faculty development program on “Machine Learning Applications in Mechanical Engineering” organized by Electronics & ICT Academy, NITW Warangal and Seshadri Rao Gudlavalleru Engineering College during 3-14 February 2025.
- One Week online faculty development program on “Machine Learning and its prospects in Manufacturing & Industry 4.0” organized by AICTE Training And Learning (ATAL) Academy and Seshadri Rao Gudlavalleru Engineering College during 10-15 February 2025.
- One week online workshop on “Smart Diagnosis : AI and Machine Learning for Vibration Analysis in Machinery and Structures” organized by Gayatri Vidya Parishad College of Engineering during 11-15 Nov 2024.
- One week online faculty development program on “Current trends in mechanical engineering – Case Studies from Industries& Academia to promote Innovation , Design Thinking and Startups” organized by Sri Vishnu Engineering College for Women , Bhimavaram during 20-25 May 2024.
- Three Day online faculty development program on “Essentials for the patent drafting” organized by SRK Institute of Technology , Vijayawada during 08-10 May2024.
- One Week online faculty development program on “Innovations in Mechanical Engineering” organized by Vasi Reddy Venkatadri Institute of Technology , Guntur during 26 -30 Dec 2022.
- One week online faculty development program on “Artificial Intelligence / Machine Learning for Mechanical Engineering Problems” organized by Sri Vishnu Engineering College for Women , Bhimavaram during 21-26 March 2022.
- Five Day online faculty development program on “Recent Trendes in Thermal Engineering ” organized by Seshadri Rao Gudlavalleru Engineering College , Gudlavalleru during 06-10th September 2021
- Five Day online faculty development program on “Internet of Things ” organized by AICTE Training And Learning (ATAL) Academy and Amity School of Engineering & Technology, Amity University, Noida during 12-16th October 2020

- Five Day online faculty development program on “Artificial Intelligence ” organized by AICTE Training And Learning (ATAL) Academy and MNIT, Allahababd during 01-05th October 2020.
- one week online faculty development program on “Emerging Trends in Digital Analytics ” organized by Guru Nanak Institutions Technical Campus during 24th August – 29th August 2020.
- Three day national level webnair on “Intellectual Property Rights & Patents – A View ” organized by IQAC – Gudlavalleru Engineering College , Gudlavalleru during 10-12th August 2020.
- One week online certification course on “Digital Teaching Techniques” organized by ICT Academy during 29th June – 04th July 2020.
- Three day online FDP program on “Finite Element Method” organized by Sri Venkateswara College of Engineering and Technology, Chittor during 29th June – 01st July 2020.
- One week online FDP program on “Research Challenges in Mechanical Engineering” organized by Sri Venkateswara College of Engineering and Technology, Chittor during 22th June – 27th June 2020.
- One week online FDP on “Research Trends in Mechanical Engineering” Gudlavalleru Engineering College , Gudlavalleru during 15-20 June2020.
- One month online Faculty Development program on “Data Science” organized by APSSDC in association with ExcelR Solutions during 01st June – 30th June 2020.
- One day webnair on “Impact of COVID in Engineering Education & Way Forward ” organized by ISTE Chapter – Gudlavalleru Engineering College , Gudlavalleru during 09th June 2020.
- One week online FDP program on “Research Opportunities and Challenges in Manufacturing Sector” organized by Shri Vithal Education & Research Institute College of Engineering, Maharastra during 01st June – 06th June 2020.
- Three day online faculty development program on “R Programming Language” organized by Smt **Kamala** & Sri Venkappa M Agadi **College** of Engineering and Technology, Gadag, Karnataka during 28th May – 30th May 2020.
- Five day online FDP program on “Artificial Intelligence” organized by Gayatri Vidya Parishad College for Degree and PG Courses, Vishakapatnam during 22-26th May 2020.
- Three day Faculty development program on “3D eXperience – Systems Engineering ,Delmia , Simulia ” organized by the APSSDC in association with Dassault systems at Dassault systemes – 3D PLM office ,Pune during 23rd – 25th Jan 2020 .
- Two Day faculty development programme on "Advances in Manufacturing" organized by Gudlavalleru Engineering College, Gudlavalleru during 16 – 17th November, 2018
- One day workshop on “Characterization of Metal Matrix Composites” organized by the Department of Mechanical Engineering, Gudlavalleru Engineering College, Gudlavalleru and The Institution of Engineers (India) on 11th August 2018.
- AICTE – ISTE Sponsored One week Refresher course on “Computational Fluid Dynamics” organized by the Department of Mechanical Engineering, Gudlavalleru Engineering College, Gudlavalleru during 18-23rd June 2018.

- Two day Faculty training program on “MAT Lab , Simu Link and Related Tool Boxes” organized by the Department of Mechanical Engineering, Gudlavalleru Engineering College, Gudlavalleru during 8-9th February 2018.
- Refresher course on Mechanics of Fracture conducted at Indian Institute of Technology Madras , Chennai during 19-23rd December 2016
- One week faculty training program on “MATLAB Applications in Mechanical Engineering”, organized by the Department of Mechanical Engineering, Gudlavalleru Engineering College, Gudlavalleru during 7th to 11th September, 2015.
- One week workshop on “Training Program on ANSYS”, organized by the Departments of Mechanical and Civil Engineering, Gudlavalleru Engineering College, Gudlavalleru during 22nd to 27th June, 2015.
- Three day workshop on “Advances in Computer Simulation of Solidification Processes” organized by National Institute of Technology , Warangal during 18 - 20th December, 2014.
- Two day workshop on “Recent Trends in Manufacturing Processes”, organized by Department of Mechanical Engineering, Gudlavalleru Engineering College, Gudlavalleru during 27th – 28th June, 2014
- Two week workshop on “Fluid Mechanics” organized in association with ISTE & IIT Kharagpur during 20.05.2014 to 30.05.2014
- CEP course on Coordinators’ Workshop on Engineering Mechanics conducted by IIT Bombay at Mumbai during 16-20th September 2013
- One day workshop on “Thermodynamics Solution and Practice using MATLAB” organized Gudlavalleru Engineering College, on 18th February 2013.
- One day workshop on “DFX – Product Design Excellence” organized by Gudlavalleru Engineering College , Gudlavalleru on 17th September 2012
- Two day workshop on “ Best practices in Production” organized by Gudlavalleru Engineering College , Gudlavalleru during 20-21st July 2012
- Two day national workshop on “ Advanced Optimization through Intelligent Techniques : A Research Perspective” Conducted by VIT University during 1-2nd March 2012
- Three day faculty development programme on “EngineeringDrawing” organized by Gudlavalleru Engineering College , Gudlavalleru during 22-24th November 2011
- Two day National Seminar on “Finite Element Formulations for Nano Structures” organized by VR Sidhartha Engineering College, Vijayawada during 19-20th August 2011
- National Seminar on “Applications of Finite Element Methods in Engineering” organized by Gudlavalleru Engineering College , Gudlavalleru during 8-9th July 2011.
- One day Workshop on "Current Trends in Biofuels" organized by Gudlavalleru Engineering College , Gudlavalleru on 23rd October 2010.
- One day seminar on Mechanical Design Solutions of CAD/CAM/CAE conducted by Rolta India Ltd. Hyderabad in association with Institute for Electronics Governance at G.Pulla Reddy Engineering College, Kurnool on 12th February 2008
- One day seminar on CAE Centric approach to product design organized by G.V.P.College of Engineering , Vishakapatnam on 25th August 2008.
- Two day workshop on “Robotics & Automation” organized by Gudlavalleru Engineering College , Gudlavalleru during 7-8th February 2007.

- Training programme on Teaching Methodology conducted by National Institute of Technical Teacher Training & Research , Chennai at Lakireddy Bali Reddy College of Engineering , Mylavaram during 4-9th December 2006.
- Short term training program on Finite Element Solutions for Machine Dynamic and Heat Transfer Problems conducted at Lakireddy Bali Reddy College of Engineering , Mylavaram during 26-30th June 2006.
- Two day workshop on Trends in CNC Machining organized by JNTU College of Engineering , Anantapur during 19-20th August 2005.

Subjects Handled:

UG :

- Engineering Graphics , Engineering Mechanics , Kinematics of Machines, Dynamics of Machines, Mechanics of Solids, Machine Drawing, Mechanical Vibrations, Finite Element Method , Design of Machine Members.

PG :

- Analysis and Synthesis of Mechanisms , Advanced Finite Element Analysis.

Grants Fetched:

- Received grant of Rs.1.0 lakh from AICTE , New Delhi for organizing two day national seminar on Applications of Finite Element Methods in Engineering” at Gudlavalleru Engineering College , Gudlavalleru.

Membership In Professional Bodies:

- Life Member of The Indian Society for Technical Education (LM 50995)
- Member of The Institution of India (India) (M-1637074)