

T. SIVA KRISHNA

Department : Mechanical Engineering
Designation : Assistant Professor
Experience : 16years
College : Gudlavalleru Engineering Collge, Gudlavalleru.
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RESIDENTIAL ADDRESS: Flat no:205 Indira Enclave, Ayodhya nagar, Near Raghavendra Theatre. Vijayawada-520003.

ACADEMIC QUALIFICATIONS:

B.Tech from QISCET, Ongole , in Mechanical Engineering in 2007.

M.Tech from NIT Calicut, Kerala in 2009 in **Thermal Sciences** specialization.

ACADEMIC REWARDS / ACHIEVEMENTS:

- Got GATE Rank of 1005 in 2007.
- Got GATE rank of 347 in 2018 in GATE Engineering sciences.

PROFESSIONAL EXPERIENCE:

Designation	Institution	Period
Asst.Professor	GEC Gudlavalleru	2009 June to 2010April
Proposal Engineer	TSPL(HYD) Pvt.LTD	2010 May to 2011Dec.
Asst.Professor	QISCET, Ongole	2011Dec to 2013Dec.
Asst.Professor	GEC Gudlavalleru	2014JAN to till date

PROJECTS GUIDED:

PhD	Post Graduation	Under Graduation
Nil	Nil	10

SPECIALIZATION:

Thermal science

RESEARCH PAPERS :

1. T. Siva Krishna, “Effects of cadmium doping on thermo-physical properties of ZnO nanoparticles and nanofluids for heat transfer applications” proceedings of the institution of Mechanical engineers PART N- Journal of Nanomaterials Nano Engineering And Nano Systems, <https://doi.org/10.1177/23977914241304647>.
2. SBK Reddy, GV Jagadeesh, TS Krishna [Effect of Fiber Orientation and Ply Thickness on Mechanical Behavior of Laminated Composites](#) Recent Advances in Materials Technologies:
3. BVS Raghu Vamsi, R Jithendra Kumar, MRC Sastry, TS Krishna, MK Tej [Experimental investigation on the performance of vortex tube](#) Advanced Materials Research 1148, 115-121
4. S. Bhaskar,A. Ramya, T. Siva Krishna, “Refrigeration by Using Non-Magnetic Materials Like Rubber”. International Journal of Scientific Development and Research (IJS DR) July 2016 IJS DR | Volume 1, Issue 7.
5. Repalle Jithendra Kumar, BVS Raghu Vamsi, T Siva Krishna, D Tarun, M Kamal Tej, [Evaluation of Coefficient of Thermal Expansion of Zirconium by Using Dilatometer & ANSYS](#), advanced material research 2018.
6. T. Siva Krishna #1, B V S Raghu Vamsi2*, M. Krishna Prasanna\$3 ,”Design and Optimization of Internal Combustion Engine Based Co-Generation System Using Integrated Thermal Management Controller” , SSRG International Journal of Mechanical Engineering (SSRG-IJME) – Special Issue May – 2017.
7. M. Krishna Prasanna#1, B V S Raghu Vamsi2*, T. Siva Krishna3, “Experimental investigation of heat transfer in plain and tapered cylindrical fins” SSRG International Journal of Mechanical Engineering (SSRG-IJME) – Special Issue May – 2017
8. G. Naga mallikarjun rao, T. Siva Krishna, S. B. K. Reddy, G.V. Jagadeesh “Evaluating the Durability of Flax-Sisal Hybrid Epoxy Composites under Mechanical and Moisture Loading”, [Journal of Advancements in Material Engineering](#)
9. Siva Krishna Turlapati, 2 Prasad LSV 3Raghu Vamsi BVS, “Second Law Analysis of Latent heat storage system for Solar Power Plant”. Conference IEEEES conducted in SRM Chennai in 2019.

LIST OF WORKSHOPS ORGANIZED

- ❖ Organized a 4 day work shop on AI driven robotics for detecting and defining object features in Jan 2025.

- ❖ Organized 4 day hands on training program on geometric modelling, dimensioning and tolerances by using CATIA in oct 2024
- ❖ Organized one day guest lecture on HVAC design and applications in Sep 2024.
- ❖ Organized one day workshop on “Advances in Thermal Engineering”, in 2012.
- ❖ Organized one day Guest Lecture on “Outcome based Education”, in 2017.
- ❖ Organized Two day Guest Lecture on “overview on Operations, Troubles and Trouble shooting of Boilers and Steam turbines”, in 2018.

LIST OF WORKSHOPS /CONFERENCES /SEMINARS ATTENDED:

- ❖ Participated in ATAL FDP organized by SRGEC, “Machine Learning and its prospects in Manufacturing & Industry 4.0 from 10.2.2025 to 15.2.2025.
- ❖ Participated in ATAL Sponsored FDP by LBREC on, “Emerging Green Hydrogen energy Technologies” 16.12.2024 to 21.12.2024.
- ❖ Participated in Two week faculty development program, “ Advances in Mechanical Engineering”, organized by PVPSIT from 2.12.2024 to 13.12.2024.
- ❖ Participated in one week online FDP program on current trends in mechanical engineering -case studies from industry & academia to promote Innovation, design thinking and start-ups. Organized by ri Vishnu college for woman during 20.5.2024 to 25.5.2024.
- ❖ Participated in One week Workshop on "Advances in Computational Fluid Dynamics: Methods and Applications using MATLAB and ANSYS-Fluent" in NIT Warangal in May 2019.
- ❖ Attended a workshop in “Advances in Mechanical Engineering”, in 2014 dec in LBREC.
- ❖ Attended a Five day workshop in “Mathematical Methods for scientists and Engineers”, in 2015 May organized by MANIT Bhopal.
- ❖ Attended a Five Day Short Term Course on “Analytical and Experimental Techniques in Thermal Engineering”. Organized by NIT Rourkela.

- ❖ Participated in two day faculty development program on "**MATLAB AND ITS APPLICATIONS**" on 8th to 9th Feb 2018, at Gudlavalleru Engineering college, Gudlavalleru.
- ❖ Participated in a One week Workshop in “Computational Fluid Dynamics” in 2018 May Organized by Gudlavalleru Engineering College, Gudlavalleru.
- ❖ participated in a One day workshop in “Metal Matrix Composites”, in 2018 Aug in GEC Gudlavalleru.
- ❖ Participated in two day Faculty development Program on "**TRAINING ON ProgeCAD**" on 06th and 7th DEC 2017 at Gudlavalleru Engineering college, Gudlavalleru.
- ❖ Attended a workshop in “Advances in Mechanical Engineering”, in 2014 dec in LBREC.

CERTIFICATIONS:

1. Elite with Gold in the NPTEL course “Laws of Thermodynamics”
2. Elite with silver in the NPTEL course “Concepts of Thermodynamics”.
3. NPTEL Topper (GOLD) in Conduction and convection Heat transfer with 97% organized by IIT Kharagpur
4. NPTEL Top 1% (GOLD) in Engineering Thermodynamics with 93% organized by IIT Kharagpur.

MEMBERSHIP IN PROFESSIONAL BODIES: M.I.E

T. Siva Krishna

(Assistant Professor ME)