

## **Sri. NARASIMHA SURI TINNALURI**

Department : Mechanical Engineering  
College : Gudlavalleru Engineering College  
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### **RESIDENTIAL ADDRESS:**

❖ House No: 11/89 -3, 11th ward, Old Indian Gas road, Ruth cottage, GUDIVADA- 521301

### **ACADEMIC QUALIFICATIONS:**

❖ M.Tech : Thermal Engineering  
❖ B.Tech : Mechanical Engineering

**ACADEMIC REWARDS / ACHIEVEMENTS:** Nil

### **PROFESSIONAL EXPERIENCE:**

<b>Designation</b>	<b>Institution</b>	<b>Period</b>
Assistant Professor	Gudlavalleru Engineering College	From Dec,2013
Assistant Professor	Tirumala Engineering College	From Dec,2011 to Nov, 2013
Assistant Professor	PVP Siddhartha Engg College	Jun, 2011 to Dec,2011
Assistant Professor	Jayamukhi Institute of Tech &Science	Sep, 2010 to May,2011

### **PROJECTS GUIDED:**

<b>PhD</b>	<b>Post Graduation</b>	<b>Under Graduation</b>
Nil	Nil	2

**SPECIALIZATION:** Thermal Engineering

### **RESEARCH PAPERS / BOOKS**

**BOOKS PUBLISHED IN PUBLICATIONS:** Nil

## PAPERS PUBLISHED IN JOURNALS:

<b>Journals:</b>	<b>National</b>	<b>:</b>	<b>0</b>
	<b>International</b>	<b>:</b>	<b>04</b>
<b>Conferences:</b>	<b>National</b>	<b>:</b>	<b>04</b>
	<b>International</b>	<b>:</b>	<b>07</b>

### Journals:

1. A published journal paper titled on “ **A Collocated Grid Based Finite Volume Approach for the Visualization of Heat Transport in 2D Complex geometries**”, Procedia Engineering, 127, pp. 79-86, 2015.
2. A published journal paper titled on “**Heatline Visualization for Thermal Transport in Complex Solid Domains with Discrete Heat Sources at the Bottom Wall**”, International Journal of Heat and Technology, 37 (1), pp. 100-108, 2019.
3. A published journal paper titled on “**Numerical Investigation of Hydrodynamics for a Lid Driven Non-Darcy Anisotropic Porous Cavity**”, Special Topics & Reviews in Porous Media: An International Journal, 10 (4), pp. 339-355, 2019.
4. A published journal paper titled on “**Heatline Visualization of Buoyancy Induced Flows for Non-Darcy Anisotropic Porous Media**”, Special Topics & Reviews in Porous Media: An International Journal. (Under review).

### Book chapter:

Published book chapter titled on “**Visualization of Thermal Transport in Complex Geometries with Discrete Heat Sources at Bottom and Left Walls**”, Mechanical Engineering for Sustainable Development State-of-the-Art Research, published in Apple Academic Press (AAP), pp. 537 – 549.

### International Conferences:

1. Presented and participated paper titled “ **A Collocated Grid Based Finite Volume Approach for the Visualization of Heat Transport in 2D Complex geometries**”, International Conference on Computational Heat and Mass Transfer (ICCHMT-2015), National Institute of

Technology Warangal (NITW), India, November 30<sup>th</sup> – Dec 2<sup>nd</sup> , 2015, pp, 47.

2. Presented and participated paper titled on “ **Visualization of Energy Transport in 2-D Complex Solid Geometries**”, IEEE International Conference on Energy Efficient Technologies for Sustainability (ICEETS'16), St. Xavier's Catholic College of Engineering, Nagercoil, Tamilnadu, India, Apr. 7 –8, 2016, Published in IEEE Conference Publications, pp. 922 – 926.

3. Presented and participated paper titled on “**Simulation Studies on Two Dimensional Electronic Board with Multiple Non identical Heat Sources**”, International Mechanical Engineering Congress – 2014 (IMEC - 2014), National Institute of Technology, Thiruchirapalli, India, 13<sup>th</sup> – 15<sup>th</sup> June, 2014, pp.

4. Presented and participated paper titled on “**Visualization of Thermal Transport in discretely Heated 2-D Complex Solid Geometries**”, Sixth International Congress on Computational Mechanics and Simulation (ICCMS2016) Proceedings, Indian Institute of Technology Bombay (IITB), Mumbai, India, 27<sup>th</sup> June – 1<sup>st</sup> July, 2016, pp. 605-608.

5. Presented and participated paper titled on “**Heatline Approach for Visualization of Heat Transport in 2D Complex Geometries with Discrete Heat Sources**”, 6<sup>th</sup> International and 43<sup>rd</sup> National Conference on Fluid Mechanics and Fluid Power (FMFP 2016), Motilal Nehru National Institute of Technology, Allahabad (MNNITA), India, December 15<sup>th</sup> -17<sup>th</sup> , 2016, pp. 95.

6. Presented and participated paper titled on “**Visualization of Thermal Transport in 2-D Complex Solid Geometries With Discretely Heated Bottom Wall (CJ7015)**”, International Conference on Advanced Technology Innovation (ICATI 2017), Samui, Thailand, June 25<sup>th</sup> – 28<sup>th</sup>, 2017.

7. Presented and participated paper titled “**Visualization of Thermal Transport in Complex Geometries With Discrete Heat Sources at Bottom and Left Walls**”, 1<sup>st</sup> International and 18<sup>th</sup> ISME Conference (ISME - 2017), National Institute of Technology Warangal (NITW), India, February 23<sup>rd</sup> – 25<sup>th</sup>, 2017, pp. 112.

## National Conferences

1. Presented and participated paper titled “**A Novel Algorithm for Bejan’s Heatline Visualization in Complex Geometries**”, National Symposium of Mechanical Engineering Research Scholars (NSMERS 2016), National Institute of Technology Warangal (NITW), India, 7<sup>th</sup> Oct 2016.
2. Presented and participated paper titled “**Influence of Shear Driven Velocity and Porous Matrix Orientation on Flow Behavior**”, National Conference on Emerging Trends in Mechanical Engineering (ETME 2019), National Institute of Technology Warangal (NITW), January 9-10, 2019, pp. 88.
3. Presented and participated paper titled on “**Multi Mode Heat Transfer Studies on 2D Electronic Board with Multiple Identical Heat Sources**”, National conference organized by vasavi college of engineering, Hyderabad, during 7-8<sup>th</sup> Nov, 2013, pp.
4. Presented and participated paper titled on “**Multi Mode Heat Transfer Studies on Vertical 2D Electronic Board with Multiple Heat Sources**”, IV National conference on trends in mechanical Engineering organized by Kakatiya Institute of Technology & Science (KITS), Warangal, on 30<sup>th</sup> Dec, 2010, pp.

## LIST OF WORKSHOPS /CONFERENCES /SEMINARS ATTENDED:

- ❖ Participated one day workshop on “**Exploring Classroom Processes**”, organized by the English Language Teaching Centre (ELTC), Gudlavalleru Engineering College, Gudlavalleru, held on 1<sup>st</sup> August, 2019.
- ❖ Participated five day continuing education program on “**Innovative Methods for Teaching Mechanical Engineering (IMTME 2018)**”, organized by Department of Mechanical Engineering, National Institute of Technology (NIT), Warangal, during 22<sup>nd</sup> – 26<sup>th</sup> April, 2018.
- ❖ Participated one week faculty development program on “**Effective Methods of Teaching the course on – Internal Combustion Engines and Alternative Power Sources for Automobiles**”, organized by Department of Mechanical Engineering in association with Teaching Learning Centre (TLC), National Institute of Technology (NIT), Warangal, during 19<sup>th</sup> – 24<sup>th</sup> June, 2017.

- ❖ Participated five day GIAN course on “**Thermal Management of Electronics**”, organized by Department of Mechanical Engineering, National Institute of Technology (NIT), Warangal, during 30<sup>th</sup> Oct to 3<sup>rd</sup> Nov, 2017.
- ❖ Participated ten day GIAN course on “**Advanced Materials for Sustainable Energy and Storage**”, organized by Department of Chemistry, National Institute of Technology (NIT), Warangal, during 23<sup>rd</sup> May - 3<sup>rd</sup> June, 2016.
- ❖ Participated one week GIAN course on “**Turbulence Modelling for Engineering Application**”, organized by Department of Applied Mechanics, Indian Institute of Technology (IIT), Madras, from 17<sup>th</sup> to 23<sup>rd</sup> May, 2016.
- ❖ Participated one week GIAN course on “**3D Printing & Additive Manufacturing**”, organized by Department of Mechanical Engineering, National Institute of Technology (NIT), Warangal, during 20<sup>th</sup> – 24<sup>th</sup> June, 2016.
- ❖ Participated six day training programm on “**Pedagogical Skills for Teacher – Aspirants in Science and Engineering Education**”, organized by Teaching Learning Centre (TLC), National Institute of Technology (NIT), Warangal, during 20<sup>th</sup> – 25<sup>th</sup> October, 2016.
- ❖ Participated 7<sup>th</sup> IEEE International conference on “**Technology For Education (T4E 2015)**”, organized by National Institute of Technology (NIT), Warangal, during 10<sup>th</sup> – 12 Dec, 2015.
- ❖ Participated two day workshop on “**Recent Trends in Manufacturing Processes**”, organized by Department of mechanical engineering, Gudlavalleru Engineering College, Gudlavalleru, on 27<sup>th</sup> & 28<sup>th</sup> June, 2014.
- ❖ Participated short term course on “**Research Topics in Fluid Mechanics**”, organized by Department of Applied Mechanics, Indian Institute of Technology (IIT), Madras, from 19<sup>th</sup> to 24<sup>th</sup> Nov, 2012.
- ❖ Participated three day workshop on “**Recent Advances in Fiber Reinforced Composite Materials**”, organized by Department of Mechanical Engineering, V.R. Siddhartha Engineering College, Vijayawada, during 26<sup>th</sup> to 28<sup>th</sup> July, 2007.
- ❖ Participated five day workshop on “**Technical Communication Skills: Drafting and Presenting Research Papers**”, organized by the Departments of Humanities and Social Sciences, National Institute of Technology (NIT), Warangal during 1<sup>st</sup> to 5<sup>th</sup> April, 2019.
- ❖ Participated one day national workshop on “**Role of IPR in Innovation Management for Academic – Industry Collaboration**” organized by National Research Development Corporation, New Delhi & National Institute of Technology (NIT) Warangal, held on 17<sup>th</sup> November, 2018.

- ❖ Participated two day national workshop on “**Entrepreneurship and Leadership Skills**” organized by Liaison office, SC – ST Communities, National Institute of Technology (NIT) Warangal, during 18<sup>th</sup> to 19<sup>th</sup> March, 2019.
- ❖ Participated five day national workshop on “**Research Methodology & Scholarly Writing Skills (RMSWS - 2019)**” organized by SC – ST Cell, National Institute of Technology (NIT) Warangal, during 21<sup>st</sup> to 25<sup>th</sup> January, 2019.
- ❖ Participated “**Techno – Champ 2010 Participation Award**” on 4<sup>th</sup> June, 2010
- ❖ Participated two week ISTE workshop on “**Heat Transfer**” conducted by Indian Institute of Technology (IIT), Bombay, from 29<sup>th</sup> Nov to 10<sup>th</sup> Dec, 2011.
- ❖ Participated two week ISTE workshop on “**Thermodynamics in Mechanical Engineering**” conducted by Indian Institute of Technology (IIT), Bombay, from 14<sup>th</sup> to 24<sup>th</sup> June, 2011.
- ❖ Participated one day national workshop on “**Advanced Computational Applications Using ANSYS FLUENT**” conducted by Department of Mathematics, National Institute of Technology Warangal (NITW) in association with Innovent Engineering Solutions PVT. Ltd., Bangalore, on 7<sup>th</sup> January, 2011.
- ❖ Participated two day workshop on “**Advances in Thermal Engineering (ATE-2014)**” organized by Department of Mechanical Engineering, Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad, During 28<sup>th</sup> & 29<sup>th</sup> Nov, 2014.
- ❖ Participated two week ISTE workshop on “**Fluid Mechanics**” conducted by Indian Institute of Technology (IIT), Kharagpur, from 20<sup>th</sup> to 30<sup>th</sup> May, 2014.
- ❖ Participated one week training program on “**Computational Fluid Dynamics (CFD) with OpenFOAM**” conducted by Department of Mechanical Engineering, Visvesvaraya National Institute of Technology (VNIT), Nagpur, from 14<sup>th</sup> to 20<sup>th</sup> Dec, 2015.