

Dr. Narasimha Suri Tinnaluri

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ACADEMIC QUALIFICATIONS:

- ❖ Ph. D - Heat Transfer
- ❖ M. Tech - Thermal Engineering
- ❖ B. Tech - Mechanical Engineering

PROFESSIONAL EXPERIENCE:

Designation	Institution	Period
Assistant Professor	Seshadri Rao Gudlavalleru Engineering College	From Dec,2013
Assistant Professor	Tirumala Engineering College	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:

PhD	Post Graduation	Under Graduation
Nil	Nil	12

Patents : 02

1. Utility Patents is published with “**Development of Automatic Waste Segregation System for Effective Waste Management**” with application number 202541012150 dated: 21-02-2025 by the Patent Office, Government of India.
2. Design Patent is granted with title “**Self-Lubrication Spur Gear**” with design number 428200-001 dated: 15-10-2024 by the Patent Office, Government of India.

PAPERS PUBLISHED IN JOURNALS:

Journals:	National	:	0
	International	:	07
Conferences:	National	:	04
	International	:	08

INTERNATIONAL JOURNALS:

1. Narasimha Suri Tinnaluri, Lokesh Kalapala, Jaya Krishna Devanuri “**Heatline Visualization of Buoyancy Induced Flows for Non-Darcy Anisotropic Porous Media**”,

Special Topics & Reviews in Porous Media: An International Journal. Vol. 11, No.4, pp. 359-379, 2020. DOI: 10.1615/SpecialTopicsRevPorousMedia.2020030946 (ESCI)

2. **Narasimha Suri Tinnaluri**, Jaya Krishna Devanuri “**Numerical Investigation of Hydrodynamics for a Lid Driven Non-Darcy Anisotropic Porous Cavity**”, Special Topics & Reviews in Porous Media: An International Journal, Vol. 10, No. 4, pp. 339-355, 2019 DOI: 10.1615/SpecialTopicsRevPorousMedia.2019029011(ESCI)

3. **Narasimha Suri Tinnaluri**, Jaya Krishna Devanuri “**Heatline Visualization for Thermal Transport in Complex Solid Domains with Discrete Heat Sources at the Bottom Wall**”, International Journal of Heat and Technology, Vol. 37, No.1, pp. 100-108, 2019. DOI: 10.18280/ijht.370112 (ESCI)

4. **Narasimha Suri Tinnaluri**, Jaya Krishna Devanuri “**Visualization of Energy Transport in 2-D Complex Solid Geometries**”, IEEE Conference Publications, pp. 922 – 926, 2016. DOI: [10.1109/ICEETS.2016.7583880](https://doi.org/10.1109/ICEETS.2016.7583880) (Scopus)

5. **Narasimha Suri Tinnaluri**, Jaya Krishna Devanuri “**A Collocated Grid Based Finite Volume Approach for the Visualization of Heat Transport in 2D Complex geometries**”, Procedia Engineering, Vol. 127, pp. 79-86, 2015. <https://doi.org/10.1016/j.proeng.2015.11.429> (Scopus)

6. **Narasimha Suri Tinnaluri**, Nageswara Reddy Perreddy, MRC Sastry, Pinjala Tejo Murthi, “**Simulation Studies on Two-Dimensional Electronic Board with Multiple non identical Heat Sources**” Applied Mechanics and Materials, Vol. 592, pp.1776-1783, 2014. DOI:[10.4028/www.scientific.net/AMM.592-594.1776](https://doi.org/10.4028/www.scientific.net/AMM.592-594.1776) (Scopus)

7. Gururaja C Rao, **Narasimha T Suri** “**Effect of surface radiation on Conjugate Convection from an electronic board with multiple embedded discrete heat sources**”, International Journal of Applied Engineering Research, Vol. 1, No. 3, pp. 561-573, 2010. (Scopus)

BOOK CHAPTER:

Narasimha Suri Tinnaluri, Jaya Krishna Devanuri, “**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, 2019.

INTERNATIONAL CONFERENCES:

1. **Narasimha Suri Tinnaluri**, MRC Sastry, Jaya Krishna Devanuri, “**Heat Transport Visualization in 2-D Domains via Isotherms and Heatlines**”, International Conference on Technological Convergence in Engineering, Energy and Sustainability (ICTCEES-2020), Vimal Jyothi Engineering College (VJEC), Kerala, India, July 18 – 19, 2020, pp. 79.

2. **Narasimha Suri Tinnaluri, Jaya Krishna Devanuri, “Visualization of Thermal Transport in Complex Geometries With Discrete Heat Sources at Bottom and Left Walls”,** 1st International and 18th ISME Conference (ISME - 2017), National Institute of Technology Warangal (NITW), India, February 23rd – 25th, 2017, pp. 112.
3. **Narasimha Suri Tinnaluri, Jaya Krishna Devanuri, “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 25th – 28th, 2017.
4. **Narasimha Suri Tinnaluri, Jaya Krishna Devanuri, “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, pp. 922 – 926.
5. **Narasimha Suri Tinnaluri, Jaya Krishna Devanuri, “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, 27th June – 1st July, 2016, pp. 605-608.
6. **Narasimha Suri Tinnaluri, Jaya Krishna Devanuri, “Heatline Approach for Visualization of Heat Transport in 2D Complex Geometries with Discrete Heat Sources”,** 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power (FMFP 2016), Motilal Nehru National Institute of Technology, Allahabad (MNNITA), India, December 15th -17th , 2016, pp. 95.
7. **Narasimha Suri Tinnaluri, Jaya Krishna Devanuri, “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 30th – Dec 2nd, 2015, pp. 47.
8. **Narasimha Suri Tinnaluri, Jaya Krishna Devanuri, “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, 13th – 15th June, 2014.

NATIONAL CONFERENCES:

1. **Narasimha Suri Tinnaluri, Jaya Krishna Devanuri, “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, 7th Oct 2016.
2. **Narasimha Suri Tinnaluri, Jaya Krishna Devanuri, “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. **Narasimha Suri Tinnaluri**, Jaya Krishna Devanuri, “**Multi Mode Heat Transfer Studies on 2D Electronic Board with Multiple Identical Heat Sources**”, National conference organized by vasavi college of engineering, Hyderabad, during 7-8th Nov, 2013.

4. **Narasimha Suri Tinnaluri**, Jaya Krishna Devanuri, “**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 30th Dec, 2010.

LIST OF WORKSHOPS /CONFERENCES /SEMINARS ORGANIZED:

1. **Narasimha Suri Tinnaluri** acted as a **coordinator** for one day Student development program on “**Industrial Application of HVAC**” organized by Department of Mechanical Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru on **8th November, 2024**.
2. **Narasimha Suri Tinnaluri** acted as a **coordinator** for six day Student development program on “**Simulation on Multi Physics**” organized by Department of Mechanical Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru during **3rd - 9th May, 2023**.
3. **Narasimha Suri Tinnaluri** acted as a **coordinator** for one day Student development program on “**Thermodynamic Cycles of Heat Recovery Power Plants**” organized by Department of Mechanical Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru on **13th June, 2023**.
4. **Narasimha Suri Tinnaluri** acted as a **coordinator** for six day Student development program on “**Hands on Training in ANSYS Software**” organized by Department of Mechanical Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru during **14th - 19th Nov, 2022**
5. **Narasimha Suri Tinnaluri** acted as a **Co Convenor** for two day Virtual “**International Conference on Research Contributions in Mechanical Engineering (ICRCME – 2022)**” organized by Department of Mechanical Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru during **25th – 26th Feb, 2022**.
6. **Narasimha Suri Tinnaluri** acted as a **coordinator** for three day online faculty development program on “**Recent Trends in Electric Vehicles – Phase 1**” organized by Department of Mechanical Engineering, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru during **17th – 19th March, 2021**.

LIST OF WORKSHOPS /CONFERENCES /SEMINARS ATTENDED:

- ❖ Attended AICTE Training and Learning (ATAL) Academy Faculty Development Program on “**Machine Learning and its prospects in Manufacturing & Industry 4.0**” at Seshadri Rao Gudlavalleru Engineering College from 10/02/2025 to 15/02/2025.
- ❖ Attended AICTE Training and Learning (ATAL) Academy Faculty Development Program on “**Emerging Green hydrogen energy technologies for societal sustainability and climate change mitigation**” at Lakireddy Balireddy College of Engineering from 16/12/2024 to 21/12/2024.

- ❖ Participated two week online faculty development program on “**Advances in Mechanical Engineering**”, organized by the Department of Mechanical Engineering, Prasad V Potluri Siddhartha Institute of Technology, Vijayawada, during 2nd – 13th December, 2024.
- ❖ Participated two week online faculty development program on “**Industry 4.0/5.0**”, organized by the Department of Mechanical Engineering, Prasad V Potluri Siddhartha Institute of Technology, Vijayawada, during 15th – 27th April, 2024.
- ❖ Completed 12 week NPTEL-AICTE FDP course on “**Problem solving through programming in C**” during July-October 2023 organized by NPTEL Swayam.
- ❖ Participated one week faculty development program on “**Advancements in Mechanical Engineering**”, organized by the Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, during 19th – 24th June, 2023.
- ❖ Attended AICTE Training and Learning (ATAL) Academy Faculty Development Program on “**Design and Optimization of EV Charging Technology in Smart Grid Platform**” at Puducherry Technological University from 13/09/2021 to 17/09/2021.
- ❖ Attended AICTE Training and Learning (ATAL) Academy Faculty Development Program on “**Computational Fluid Dynamics – A Potential Engineering Design Tool**” at Centurion University of Technology and Management from 26/07/2021 to 30/07/2021.
- ❖ Attended AICTE Training and Learning (ATAL) Academy Faculty Development Program on “**Finite Element Method (with applications to solid mechanics, heat transfer and fluid mechanics)**” at M.B.M Engineering College, Faculty of Engineering and Architecture, Jai Narain Vyas University, Jodhpur from 17/08/2021 to 21/08/2021.
- ❖ Attended AICTE Training and Learning (ATAL) Academy Faculty Development Program on “**Sustainability Engineering**” at Canara Engineering College from 22/02/2021 to 26/02/2021.
- ❖ Attended AICTE Training and Learning (ATAL) Academy Faculty Development Program on “**Green Technology & Sustainability Engineering**” at Dr BR Ambedkar National Institute of Technology Jalandhar from 19/10/2020 to 23/10/2020.
- ❖ Attended AICTE Training and Learning (ATAL) Academy Faculty Development Program on “**Cyber-physical production Systems**” at National Institute of Technology Andhra Pradesh from 21/09/2020 to 25/09/2020.
- ❖ Participated one week faculty development program on “**Research Trends in Mechanical Engineering**”, organized by Department of Mechanical Engineering, Gudlavalleru Engineering College, Gudlavalleru, during 15th – 20th June, 2020.
- ❖ Participated two day faculty development program on “**VIRTUAL TEACHING - Learning MOODLE the Efficient way**”, organized by the Faculty of Humanities and Science in association with The Institution of Engineers (India), Tiruvallur Local Centre, Dr.M.G.R Educational and Research Institute, Adayalampattu Phase -II Campus, during 29th – 30th May, 2020.
- ❖ Participated four days online faculty development program on “**Research, Funding Projects & IPR**”, jointly organized by IQAC, R & D Cell & Dept. of Electronics & Telecommunication under the banner of IETE and Institution's Innovation Council (IIC) , K. C. College of Engineering and Management Studies and Research, Thane (E), during 7th – 10th May, 2020.

- ❖ Participated one day workshop on “**Exploring Classroom Processes**”, organized by the English Language Teaching Centre (ELTC), Gudlavalleru Engineering College, Gudlavalleru, held on 1st 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 22nd – 26th April, 2018.
- ❖ 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 17th November, 2018.

CERTIFICATIONS:

S.No	Name of the Course	Duration	Score (%)	Remarks
1	programming in Python	September–December, 2024	93%	--
2	Problem solving through programming in C	July - October, 2023	60	Elite
3	Power Plant Engineering	July–September, 2021	60	Elite
4	Engineering Drawing and Computer Graphics	September–December, 2020	66	Elite

(Dr. T. Narasimha Suri)