

## NARESH YARRAMSETTY



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### Present Address:

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### Personal data:

DOB: 17-06-1988

Sex : Male

Status : Married

Nationality : Indian

Languages known:

Telugu, English

### Objective

Seeking a challenging position in an academic institution, where I can employ and enrich my skills, thereby contributing to the progress of the organization and thus grow personally.

### Education

- ❖ PhD in Thermal Engineering, from Department of Mechanical Engineering, IIT Madras, with CGPA: 9.29/10
- ❖ M.Tech in Thermal System Design (2013), from Department of Mechanical Engineering, NIT Surat, with CGPA: 9.53/10
- ❖ B.Tech in Mechanical Engineering (2009) from Nagarjuna University, with 77.67%
- ❖ Intermediate (2005) from Board of Intermediate Education, Andhra Pradesh, with 86.7%
- ❖ X<sup>th</sup> (2003) from Board of Secondary Education, Andhra Pradesh, with 56.67%.

### Professional Experience

**SVNIT Surat** (From 27-09-2019 to Present)

Working as assistant professor in department of mechanical engineering, SVNIT Surat, Gujarat, India

**MIC College of Technology** (From 04-06-2018 to 15-09-2019)

- Worked as associate professor in department of mechanical engineering, MIC College of Technology, Vijayawada, Andhra Pradesh, India.

**Pre-Doctoral Fellow at IIT Madras** (From 05-01-2018 to 03-06-2018)

**Vignan University** (June 2013 to Dec 2013)

- Worked as an assistant professor in department of mechanical engineering, Vignan University, Guntur, Andhra Pradesh, India.

### Research interest

- Experimental heat transfer
- Heat pipes
- Cryogenics
- Numerical heat transfer
- Solar energy

### Teaching interest

- Heat Transfer
- Cryogenics
- Design of heat exchangers
- Fluid Mechanics
- Thermodynamics
- R & AC
- CFD

### Positions of responsibility

- ❖ Volunteer for workshop on Advanced and Integrated energy systems and energy conservation held at Vignan University, Organized by mechanical department, July 2013.
- ❖ Volunteer in the Technical committee for the “Engineers Conclave 2016”, held at IIT Madras, September 2016.
- ❖ Volunteer in the Technical committee for the “6<sup>th</sup> Asian Symposium on Computational Heat Transfer and Fluid Flow (ASCHT-2017)”, held at IIT Madras, December 2017.

### Research Publications

**International Journals: (5)**

- ✓ Naresh Y, Balaji C, "Experimental investigations of heat transfer from an internally finned two phase closed thermosyphon", Applied Thermal Engineering (Elsevier), 2017, Volume 112, pp 1658–1666.
- ✓ Naresh Y, Balaji C, "Numerical investigations small diameter two phase closed thermosyphon", Journal of physics, conference series, 745 (2016).
- ✓ Naresh Y, Shrivignesh K, Balaji C, "Experimental investigations of thermal performance of self rewetting fluids in internally finned wickless heat pipes" Experimental Thermal and Fluid Science (Elsevier), 2018, Volume 92, pp 436-446.
- ✓ Naresh Y, Balaji C, "Thermal performance of an internally finned two phase closed thermosyphon with refrigerant R134A: A combined experimental and numerical study", International Journal of Thermal Sciences, 2018, Volume 126, pp 281-293.
- ✓ Jibin, Naresh Y, Balaji C, "Numerical modeling of a wicked heat pipe using lumped parameter network incorporating the Marangoni effect" (Heat Transfer Engineering: Accepted).

**Presentations in conferences: (5)**

- ✓ Naresh Y, Balaji C, "CFD and Lumped analysis of small diameter two phase closed thermosyphon, 7<sup>th</sup> European Thermal Sciences Conference", Krakow, Poland, June 2016.
- ✓ Naresh Y, Balaji C, "Experimental investigations of an internally finned two phase closed wickless heat pipe charged with methanol, ethanol, binary fluids", 24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer Conference, BITS Pilani, Hyderabad campus, December 2017.
- ✓ Naresh Y, Shrivignesh K, Balaji C, "Experimental investigations of heat transfer from L-shape heat pipe for electronic cooling", 24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer Conference, BITS Pilani, Hyderabad campus, December 2017.
- ✓ Naresh Y, "Effect of internal fins on thermal performance of wickless thermosyphon", Research conclave, Organized by NIT Warangal, March 2017.
- ✓ Naresh Y, Balaji C, "Effect of filling ratio on thermal performance of an internally finned two phase closed thermosyphon, Indo-French workshop on phase change Thermal systems, Organized by IIT Kanpur, Khajuraho, November 29- December 01, 2016, India.

**Internships/Workshops:**

- ✓ International workshop on Advanced and Integrated energy systems and energy conservation held at Vignan University on 29 and 30<sup>th</sup> July, 2013.

**Projects**

- ◆ **PhD Thesis** (2014-18): Experimental and Numerical investigations of an internally finned two phase closed thermosyphon/wickless heat pipes, under the guidance of Prof. C. Balaji, IIT Madras.
- ◆ **M.Tech Thesis** (2012-13): Development of Thermo-Acoustically driven pulse tube cryocooler operating around 300HZ, under the guidance of Prof. HB Naik and Prof. KP Desai, NIT Surat.
- ◆ **B.Tech Thesis** (2008-09): Frequency analysis of a cracked cantilever beam, under the guidance of Prof. D Srinivasa Rao.