



**SREENIVASA KUMAR REDDY.BHEEMACHERLA**

Assistant Professor Adhoc

Department Mechanical Engineering

JNTUA College of Engineering Pulivendula-516390

Y.S.R Kadapa Dist. Andhra Pradesh, 516390.

Contact no: 9490445669; 7013141671

Date of Birth: 30/01/1977

E-mail : sreenivasreddy8@gmail.com

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***Career Objective:***

I want to refine my skills as a Faculty in Mechanical Engineering by continuously exposing myself to the new technology for mutual benefit of self and the organization.

***Experience: 11 Years (M.Tech), 5 years (B.Tech)***

Having 16 years of experience as a faculty member in the Mechanical Engineering Department from the following engineering colleges.

- Worked as an Ad Hoc Lecturer in **J.N.T.U.A COLLEGE OF ENGINEERING, PULIVENDULA**, for *consecutive five academic years* from July 2012 to till date.
- Worked as a Lecturer in **SIDDARTHA INSTITUTE OF ENGINEERING & TECHNOLOGY, HYDERABAD**, for two academic years from 2008-2010.
- Worked as a Lecturer in **JOGINAPALLY BHASKAR RAO ENGINEERING COLLEGE, HYDERABAD**, for three academic years from 2005-2008.

***Academic Qualifications:***

- Pursuing Ph.D (Nano Refrigerants) from J.N.T.U.A Ananthapurmu
- M.Tech in Mechanical Engineering (Refrigeration and Air-Conditioning) from J.N.T.U.A College of Engineering Ananthapuramu 2010 – 2014 (88%)
- B.Tech in Mechanical Engineering from J.N.T.U College of Engineering Ananthapuramu 2000 - 2004 (71%)
- Diploma in Mechanical Engineering -Y.S.R.R Loyola Polytechnic, Pulivendula 1994-1997 (85%)

***Computer Proficiencies:***

- Operating systems : Windows NT/2000/XP.
- Tools and Packages : MS-office

### ***Journals:***

- Published in International Journal of Applied Engineering Research, title “Performance of Mobile Air Conditioning Using Refrigerants R134a and R1234yf by their properties” ISSN 0973-4562 Volume 12, 2017.
- Eco-Friendly Refrigerants as Alternatives for Refrigerant R134a - a Review - IJSER IISN: 4523-1287-5486 Vol. 8 pp122-132, May 2016.
- Published International Journal (Applied Mechanics and Materials), title “Air Cooling in Automobiles by using Vortex Tube Refrigeration System.” IISN: 1662-7482 Vol.s 592-594 pp 1408-1412, May 2014.
- Published International Journal (IJEST), title “Air Cooling in Automobiles by using Vortex Tube Refrigeration System.” ISSN: 0975-5462 Vol. 5 No.02 pp 341-348, February 2013.

### ***Conferences:***

- Attended one day National level conference on Trends in Mechanical Engineering (TIME’2015) at J.N.T.U.A Ananthapuramu on 23<sup>rd</sup> September 2015.
- **Title: Air Cooling in Automobiles by using Vortex Tube Refrigeration System**
  - Participated & presented a paper in International Conference held at NIT Trichy, Tamil Nadu June 13<sup>th</sup> to 15<sup>th</sup> 2014.
  - Participated& presented a paper in International Conference held at Royal Institute of Technology Hyderabad, Andhra Pradesh - February 2013.
  - Participated & presented a paper in National Conference held at Andhra University Visakhapatnam, Andhra Pradesh - April 2013.

### ***Workshops:***

- Attended five days work shop on Internal Combustion Engines: Theory, Modeling and Diagnostics at IIT Hyderabad on March 20<sup>th</sup> to 24<sup>th</sup> 2017
- Attended five days work shop on Basics and Developments in Refrigeration and Air Conditioning at SVNIT Surat on February 27<sup>th</sup> to 3<sup>rd</sup> March 2017
- Attended six days work shop on ‘Energy Conservation and Storage’ at IIT Hyderabad on May 6<sup>th</sup> to 14<sup>th</sup> 2016
- Attended three days’ workshop on English for Writing Ph.D Thesis and Journal Papers held at NIT Trichy on 20<sup>th</sup> -22<sup>nd</sup> January 2016
- Attended three days’ workshop on Thermal Analysis of Materials using DSC, DTA, TG& Dilatometer held at IIT Hyderabad on 12-14 August 2015.
- Attended two days’ work shop on Research Methodology at BITS Pilani, Hyderabad on April 11-12 2014.

### ***Faculty Development Programs:***

- Participated in one week online faculty development program on “Hybrid Electric Vehicles” by the Dept. of Mech.Engg of GMRIIT, Rajam and VRSEC, Vijayawada during 21<sup>st</sup> to 25<sup>th</sup> November 2022.
- Participated in one week online faculty development program on “ Advances in Renewable Energy & Electric Vehicles” organized by the Dept. of E.E.E. Seshadri Rao Gudlavalleru College Gudlavalleru during 20<sup>th</sup> to 24<sup>th</sup> February 2023.
- Participated in one week online faculty development program on “ Applications of Artificial Intelligence & Machine Learning in Mechanical Engineering” organized by the Dept. of Mech.Engg. Seshadri Rao Gudlavalleru College Gudlavalleru during 6<sup>th</sup> to 10<sup>th</sup> March 2023.
- Participated at MEEEd India 2023 by The American Society of Mechanical Engineers at PES University Bengaluru April 1<sup>st</sup> & 2<sup>nd</sup> 2023.

**Memberships:**

- Member of The Institute of Engineers (India) – Member code : M-1777313

**Teaching Profile:****Subjects Taught:**

- Refrigeration & Air-Conditioning
  - Heat & Mass Transfer
  - Thermodynamics
  - Thermal Engineering I & II
  - Instrumentation & Control Systems
  - Engineering Materials/Material Science
  - Engineering Drawing/Graphics
  - Machine Drawing
  - Customer Relationship Management
  - Theory of Machines
  - Fluid Mechanics and Hydraulic Machinery
  - Machine Design I & II
  - Solid Mechanics
  - Automobile Engineering
- **Labs Handled:** Heat Transfer lab, Thermal Engineering lab, Dynamics and Machine Tools lab and Engineering work shop.

**Responsibilities:**

- Give important information to the students from various standard engineering books.
- Giving unit wise assignments.
- Conducting class room seminars.
- Guide to students for their career after their graduation

**Area of Interest**

- Heat Transfer
- Two Phase Heat Transfer
- Nano fluids
- Refrigeration & Air Conditioning
- Computational Fluid Dynamics

**Personal Details:**

Name in full : Sreenivasa Kumar Reddy .Bheemacherla

Marital Status : Married

Father's Name : Pedda Raghava Reddy.Bheemacherla

Contact Address : Room No: 105 B-type quarters JNTUACE Pulivendula

Languages (read/write/speak) : Telugu, English, Hindi and Tamil.

Mail-ID : sreenivasreddy8@gmail.com

Mobile No's : 9490445669; 7013141671

**DECLARATION:**

I hereby declare that the information given above is true to the best of my knowledge and belief.

Date:

Place:

**(SREENIVASA KUMAR REDDY. BHEEMACHERLA)**