

Name:L Sandeep Raj  
Designation: Assistant Professor  
Department: Mechanical Engineering  
Mail I'd:[lsr.sandeepraj@gmail.com](mailto:lsr.sandeepraj@gmail.com)



Experience (in years):            Teaching:    5            Research:                            Others(if any, specify):

**1. Educational / Technical qualifications:**

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	B.Tech	2012	Mechanical Engineering
2	M.Tech	2015	Thermal Engineering
3	PhD(Pursuing)	2022	Thermal Engineering

**2. Teaching and Learning:**

- 2.1. Teaching Interests: Inductive style
- 2.2. Novel Teaching & Learning Techniques adopted: WIT & WIL
- 2.3. Involvement in curriculum updating / Design:

**3. Co-curricular and Extra-Curricular Activities**

- 3.1. Interests and Hobbies: Teaching
- 3.2. CCA/ECA Organized:
- 3.3. CCA/ECA participated:
- 3.4. Counseling and Mentoring Activity: Mentoring 15 Students of IB.Tech
- 3.5. Committees involved in:

Department level:

Institute Level:

**4. Conference / Workshop / Seminar / Guest Lectures :**

- 4.1 Conducted:
- 4.2 Attended: Workshop on FEM,
  - Workshop on Manufacturing,
  - Workshop on Refrigeration,
  - Workshop on Air Conditioning,
  - Workshop on Instructional Design and Delivery Methods
  - Workshop on DSC,TGA
  - Workshop on MATLAB
  - Workshop on Thermal Energy Storage

**5. Academic Contribution and Research & Consultancy:**

5.1. Invited Lectures:

5.2. Articles/Chapters published in Books:

5.3. Books published as single author or as editor:

5.4. Projects Guided :

a) UG : Design of Air Conditioning for KS Auditorium at VNRVJIET,  
Heat Transfer Analysis of Phase Change Materials

b) PG : Development of Mathematical Model for Centrifugal Casting

5.5. Research Interests : Thermal Engineering, Phase Change Materials

5.6. Ph.D students :

a) Enrolled :

b) Submitted:

c) Awarded:

5.7. Papers published in reviewed journals :

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Lanka, Sandeep Raj, Durga Prasad Bandaru, and Sreenivasulu Sane. "Experimental study of density effect and natural convection in a latent heat storage unit with paraffin wax and air." <i>Energy Storage</i> : e226.	<i>Energy Storage</i> (WILEY)	<a href="https://doi.org/10.1002/est2.226">https://doi.org/10.1002/est2.226</a>	INSPEC	International
2					

5.8. Papers presented at National / International Journals :

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	ISBN/ISSN No
1	Experimental Study on Mechanical Properties of AA7075, Al <sub>2</sub> O <sub>3</sub> and Graphite Metal Matrix Composite	International E-Conference on Materials Processing & Characterization-2020	International	ISBN: 978-81-946476-9-0
2				

5.9. Sponsored research Projects:

<b>S.No</b>	<b>Title</b>	<b>Agency</b>	<b>Period</b>	<b>Grant amount</b>	<b>Ongoing / Completed</b>

5.10 Consultancy Projects:

<b>S.No</b>	<b>Title</b>	<b>Agency</b>	<b>Period</b>	<b>Sanctioned Amount</b>	<b>Ongoing / Completed</b>

6. Awards / Honors received:

7. Motto: