

**Name :** DANGETI SARATH CHANDRA  
**Designation:** Assistant Professor  
**Department of Mechanical Engineering**



Experience (in years):12                      Teaching: 12                      Research: 5y                      Others:

**1. Educational / Technical qualifications:**

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	UG	2008	Mechanical Engineering
2	PG	2010	Material Science and Technology
3	P.hD	Pursuing	Heat transfer (Mechanical)

**2. Teaching and Learning:**

2.1 Teaching Interests: Metallurgy and Material Science, Metrology, Heat and mass transfer and fluid mechanics

2.2 Novel Teaching & Learning Techniques adopted: wit and wil , lab protocol, learning by doing, ppt, videos

2.3 Involvement in curriculum updating / Design:

- Department level UG-Program co-ordinate

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

3.1. Interests and Hobbies:

- To improve myself to teach the students in better manner by learning new method of teaching
- To promote work efficiency and good attitude towards work, in organization.
- Establishing and conducting experimentation which is useful to the society

3.2. CCA/ECA Organized:

3.3. CCA/ECA participated:

- Internship for UG students
- Industrial miniproject for UG students

3.4. Counseling and Mentoring Activity:

- Mentoring B.Tech. Students.
  - Conducted class review meetings with student representatives.
  - Counselling mentally depressed students in the department (given for Two girl students )
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3.5. Committees involved in:

Department level: Progression committee, UG-NBA

Institute Level: Discipline committee member ,AICTE SC/ST -COORDINATOR

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

4.1 Conducted:02

4.2 Attended:20

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 : 08 b) PG :04

5.5. Research Interests :Heat transfer, composite 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/ISS N No.	Impact Factor/ Citation Index	National/ International
1	Feasibility of Case Hardening on extrusion die used for producing Zircaloy Seamless Tubes and its surface coatings	IJAEST 255-259	2230- 7818	0.5	International
2	Case study on advanced manufacturing and quality control of compressor blades	IJETAE 444-448	2250- 2459	1	International
3.	Fabrication And Mechanical Characterisation of Glass And Carbon Fibre Reinforced Composite's Used For Marine Applications	IJET 223-232		1	International
4.	Experimental Investigations on Shell and Helical Coil Heat Exchanger to Enhance Heat Transfer Rate Using Cu-Ni -Water Hybrid Nanofluids	Journal of Green Engineering	2245- 4586	0.5	International

5.	Impact of different volume concentrations and flow rates on thermal performance of counter flow cylindrical shell and helical coil heat –Exchanger using Cu/water nanofluid	International journal of thermal engineering and research	2395 - 0250	0.8	International
6.	Experimental analysis of heat transfer coefficient in counter flow shell and helical coil tube heat exchanger with hybrid nanofluids to enhance heat transfer rate using in food processing industries	<i>Turkish Journal of Computer and Mathematics Education</i>	1309-4653	1	International

5.8. Papers presented at National / International Journals :

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1				
2				
3.				

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

**6. Awards / Honors received:**

**7.Motto:** Learn –progress-learn-progress it is the beauty of life