

# Dr. Nagamalleswara Rao Kammela



**Designation** : Associate Professor  
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**Contact at** : ME105, Department of Mechanical Engineering,  
Siddhartha Academy of Higher Education  
(Deemed to be University), Kanuru, Vijayawada,  
Andhra Pradesh 520007.

## Education

### Ph. D (Mechanical Engineering)

2014, Indian Institute of Technology Kharagpur

### M.Tech (Thermal Engineering)

2005, Jawaharlal Nehru Technological University, Hyderabad

### B.Tech (Mechanical Engineering)

2001, Jawaharlal Nehru Technological University, Hyderabad

## Experience

Period	Designation	Institution / Organization	Key Responsibilities
2018-Till Date	Associate Professor	Siddhartha Academy of Higher Education (Deemed to be University)	Curriculum design, Ph.D./PG guidance, research publications, academic leadership, NBA/NAAC coordination.
2013- 2018	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	Curriculum design, Ph.D./PG guidance, research publications, academic leadership, NBA/NAAC coordination.

## Research Interests

**Broad Area of Research :**

DMFC Fuel Cell, Thermal Battery Heat Transfer Analysis, Defrosting, Thermodynamic Analysis of Systems, Heat Transfer, Sorption Refrigeration Systems, Energy Storage Materials.

## Honors and Awards

- MHRD, Government of India awarded a Research Fellowship grant from 2009 to 2013.

## Courses Taught

- Thermodynamics
- Heat Transfer
- Refrigeration and Air Conditioning
- Jet and Rocket Propulsions
- Hydraulics and Pneumatics
- Automobile Engineering
- Design Thinking
- Advanced Heat Transfer
- Design of Heat Transfer Equipment
- Measurements in Thermal Engineering

## Research Profile

### Publications

The recent publications and research contributions can be viewed from the following URLs

<b>Google Scholar</b>	<a href="https://scholar.google.com/citations?user=GeLV3x8AAAAJ&amp;hl=en">https://scholar.google.com/citations?user=GeLV3x8AAAAJ&amp;hl=en</a>
<b>Scopus</b>	<a href="https://www.scopus.com/authid/detail.uri?authorId=57193717129">https://www.scopus.com/authid/detail.uri?authorId=57193717129</a>
<b>ORCID</b>	<a href="https://orcid.org/0000-0002-9735-7190?lang=en">https://orcid.org/0000-0002-9735-7190?lang=en</a>
<b>Publons</b>	<a href="https://publons.com/researcher/2142798/nagamalleswara-rao-kammela/">https://publons.com/researcher/2142798/nagamalleswara-rao-kammela/</a>
<b>Research Gate</b>	<a href="https://www.researchgate.net/profile/Nagamalleswara_Kammela">https://www.researchgate.net/profile/Nagamalleswara_Kammela</a>
<b>LinkedIn</b>	<a href="https://www.linkedin.com/in/nagamalleswararao-kammela-43b14755/">https://www.linkedin.com/in/nagamalleswararao-kammela-43b14755/</a>

### Recognized Research Supervisor

S.No.	Department	University
01.	Mechanical Engineering	National Institute of Technology, Warangal
02.	Mechanical Engineering	Jawaharlal Nehru Technological University, Kakinada
03.	Mechanical Engineering	Siddhartha Academy of Higher Education
04.	Mechanical Engineering	Andhra University

### Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.	Funded	The effect of temperature on the thermo-physical properties of composite materials using Molecular Dynamics Simulation (MDS) and experimental	Completed	DRDL	9,77,000	11 Months

## Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	EDC Coordinator	SAHE	2016- till Date	Entrepreneurship Development Programs

## Patents

S.No	Title	Status	Application No.	Year
1.	Design And Fabrication of Overdrive Enhancer	Published	202141001219 A	2021

## Ph.D

Awarded	01
Guiding	03

## Invited Talks

No. of Invited Talks	06
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## Professional Development Activities - Participations

<b>Faculty Development and Training Programmes (at least 5 Days)</b>	8
<b>International / National Level Seminars</b>	04
<b>International / National Level Conferences</b>	06
<b>Workshops</b>	10
<b>Webinars</b>	6

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