

Dr Kandula Ramanaiiah



Designation : Associate Professor
E-Mail ID : ramanaiah@vrsiddhartha.ac.in
Contact at : Department of Mechanical Engineering,
 Velagapudi Ramakrishna Siddhartha School of Engineering
 Siddhartha Academy of Higher Education, (Deemed to be
 University)
 Kanuru, Vijayawada, Andhra Pradesh 520007.

Education

Ph. D (Mechanical Engineering)

2021, Jawaharlal Nehru Technological University, Ananthapuramu

M.Tech (Heat Power)

2004, Jawaharlal Nehru Technological University, Ananthapuramu

B.Tech (Mechanical Engineering)

1995, Sri Venkateswara University, Tirupathi.

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2025-Present	Associate Professor	Siddhartha Academy of Higher Education, Vijayawada	Internal Exam In charge, Ph.D./PG/UG guidance, research publications, Consultancy, NBA/NAAC coordination. In charge COE
2010-2025	Sr Asst. Professor	Siddhartha Academy of Higher Education, Vijayawada	Internal Exam In charge, Ph.D./PG/UG guidance, research publications, Consultancy, NBA/NAAC coordination. In charge COE
2007-2010	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College Vijayawada,	Internal Exam In charge, Ph.D./PG/UG guidance, research publications, Consultancy, NBA/NAAC coordination.
2000-2007	Assistant Professor	KL College of Engineering, Guntur	Teaching, Internal Exam In charge
1996-1999	Asst. Engineer	AGI, Glass Factory, Hyderabad	Maintenance of the plant

Research Interests

Broad Area of Research:

Biodegradable Composites, Thermal characterization of composites

Honors and Awards

- Received highest citations award from ' , International Journal of Polymer Analysis and Characterization, Taylor & Francis Publishers.
- Received 'Reviewer Outstanding contributor award' two times from Elsevier publishers
- Received travel grant of Rs1,05,000/-from UGC to present a research paper in international conference in 2015.
- Received international Inspirational Teacher Award 2025 from International Institute of Organized Research (I2OR), A Registered MSME with Ministry of MSME, Government of India.
- Editorial board member for four journals.

Courses Taught

S.No	Course Name	Level (UG/PG)
1	Heat transfer, Composites, Fluid Mechanics	UG
2	IC Engines & Gas Turbines, Energy Resource utilisation	UG
3	Engineering Mechanics-I & II, Basic Thermodynamics	UG
4	Advanced Thermodynamics, Cryogenic Engineering	PG
5	Jet & Rocket Propulsion	UG

Research Profile

Publications

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

Google Scholar	https://scholar.google.com/citations?user=Z0k_oZAAAAAJ&hl=en
Scopus	https://www.scopus.com/authid/detail.uri?authorId=54894343700
ORCID	https://orcid.org/0000-0002-9706-4208
Publons	https://www.webofscience.com/wos/author/record/D-9670-2012
Research Gate	https://www.researchgate.net/profile/Ramanaiah-Kandula
LinkedIn	

Recognized Research Supervisor

S.No.	Department	University
01.	Mechanical Engineering	Siddhartha Academy of Higher Education

Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.	Funded	COE in Composites	Completed	DST	40,00,000	5 Years
02.	Funded	Nano composites	Completed	UGC (MRP)	11,76,000	4 years
03.	Seed Grant	Biodegradable Composites	On-Going	SAHE	1,41,000	2 Years

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	Internal Exam Coordinator	SAHE	2008-Present	Conduct Internal Examinations
2	NBA Criteria VII Coordinator	SAHE	2018-Present	Coordinate documentation, evidence collection, and reporting to demonstrate continuous improvement and alignment with NBA accreditation requirements.
3	NAAC Criteria III Coordinator	SAHE	2016-Present	Documenting all activities related to Research, Innovations, and Extension, including research publications, projects, patents, consultancy, and collaborations

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Neuromorphic Engineering	Nueromorphic LLC USA	12 Weeks	2025

Consultancy / Industry Projects

Completed	11
On-going	01

Patents

S.No	Title	Status	Application No.	Year
1.	Development of banana Fiber/PLA green composite thermal insulation panels for cold storage	Published	202341064077	2024
2	3D printing wood - PLA Composite for HVAC application	Published	202341064083	2024
3	Logitrack: GPS-enhanced tracking control	Published	20254100059	2025
4	A method for preparing biodegradable agro waste fiber reinforced composite material for Electric vehicle,	Filed	202541083871	2025
5	En eco-friendly thermally insulated biomass safety helmet	Filed	202541072709	2025

Ph.D

Awarded	-
Guiding	02

Invited Talks

No. of Invited Talks	08
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Professional Service / Reviewer

- Polymer Testing, Elsevier
- Case Studies in Construction Materials- Elsevier-
- Applied Science and Engineering Progress
- Journal of Testing and Evaluation
- Materials & Design, Elsevier

- Materials Today: Proceedings, Elsevier
- Waste Management- Elsevier
- International Journal of Thermo fluids
- Cleaner Waste Systems, Elsevier
- Materials Research Express
- Results in Engineering, Elsevier
- Next Research, Elsevier
- Acta Mechanica , Springer
- International Journal of the Physical Sciences
- Applied Chemical Engineering
- Arabian Journal of Chemistry-Elsevier
- Biomass conversion and refinery -Springer
- Advances in materials and processing technologies
- Multidiscipline Modeling in Materials and Structures
- Textile Research Journal-Sage
- International journal of Reinforced plastics and composites
- Advances in Manufacturing-Springer
- Thermal Science and Engineering Progress, Elsevier
- International Journal of Nano Dimension
- Next Materials, Elsevier
- Heat Transfer
- Thermochemica Acta, Elsevier
- Case Studies in Thermal Engineering, Elsevier
- Sigma Journal of Engineering and Natural Sciences
- Results in Materials
- Journal of Natural Fibers
- Applied Chemical Engineering.
- International Journal of Thermofluids, Elsevier
- Journal of Thermal Engineering
- Physica Scripta

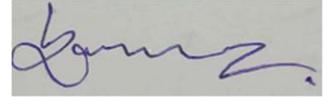
Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	22
AICTE ATAL FDP Organised Sanctioned Amount Rs 3,50,000	01
International / National Level Seminars	12 / 06
International / National Level Conferences	56 / 05
Workshops	28
Instructor Led / Self-Paced Courses	9
Webinars	21

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	LM48699	Indian Society for Technical Education (ISTE)

02.12.2025



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