

Dr. G. Jamuna Rani



Designation : Assistant Professor
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Contact at : ME108, Department of Mechanical Engineering,
 V R 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, Kakinada

M.Tech (Thermal Engineering)

2005, Jawaharlal Nehru Technological University, Hyderabad

B.Tech (Mechanical Engineering)

2002, Andhra University, Vizag

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2023-till date	Assistant Professor	V R Siddhartha School of Engineering, Siddhartha Academy of Higher Education Deemed to be University.	PG /UG guidance, research publications, Patents
2013-2023	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	PG /UG guidance, research publications, Patents
2011-2013	Assistant Professor	KLEF deemed to be University	PG /UG guidance, research publications
2007-2011	Assistant Professor	SSN Engineering College	UG Guidance

Research Interests

Broad Area of Research :

Alternate Fuels, IC engines, Thermal Engineering, Solar energy

Courses Taught

S.No	Course Name	Level (UG/PG)
1	Applied Thermodynamics	UG
2	Fluid Mechanics and Hydraulic Machines	UG
3	Heat Transfer	UG
4	Refrigeration and Air-conditioning	UG
5	Solar Energy Utilization	UG
6	Non-Conventional Sources Energy	UG
7	Turbo machines	UG
8	Advanced IC engines	PG
9	Engineering Graphics	UG
10	IC Engines and Gas Turbines	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=75GN6xgAAAAJ&hl=en
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57201730728
ORCID	https://orcid.org/0000-0002-0186-6135
Publons	https://publons.com/researcher/3045264/jamuna-rani-ganipineni/
Research Gate	https://www.researchgate.net/profile/Jamunarani_Ganipineni/publications
LinkedIn	https://www.linkedin.com/in/jamuna-rani-96b3171b0/

Administrative Roles

S.N o.	Role	Institution	Duration	Responsibilities
1	Assistant Controller	VRSEC	2022-23	Autonomous Section Management

Certifications/MOOC Courses Completed

S.No	Title	Platform	Duration	Year
1	Python Programming	NPTEL	12 Weeks	2025
2	Introduction to Internet of Things	NPTEL	12 Weeks	2024
3	The Joy of computing using Python	NPTEL	12 Weeks	2022
4	Experimental Methods in Fluids Mechanics	NPTEL	12 Weeks	2022
5	Fluid Mechanics	NPTEL	8 Weeks	2018

Patents

S.No	Title	Status	Application No.	Year
1	Portable solar powered reverse osmosis system	Published	202541061949	2025
2	Portable Tabletop Groundnut Shell Removal Machine	Published	202541071170	2025
3	IoT based Manhole Detection and Monitoring System	Published	202541077988	2025
4	Multiple Nut Remover	Published	352426-001	2023

Professional Service / Reviewer

Reviewer in

- Materials Today: Proceedings, Elsevier
- Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Taylor&Francis
- SAE Technical Papers, SAE
- International Journal of Modelling and Simulation, Taylor&Francis
- Journal of Thermal Engineering, YILDIZ TECHNICAL UNIVERSITY
- CFD letters
- Results Engineering

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	21
International / National Level Seminars	10 / 03

International / National Level Conferences	7 / 0
Workshops	18
Instructor Led / Self-Paced Courses	5
Webinars	15

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	LM 110180	Indian Society for Technical Education (ISTE)
2.	377904	International Association of Engineers (IAENG)
3.	7230410127	Society of Automobile engineers (SAE)

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