

Dr. M. SUMALATHA



Designation : Senior Assistant Professor
E-Mail ID : sumalathame@vrsiddhartha.ac.in
Contact at : ME101, 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)

2020, Andhra University, Vishakhapatnam

M.Tech (CAD CAM)

2009, Acharya Nagarjuna University, Guntur

B.Tech (Mechanical Engineering)

2004, Nagarjuna University, Guntur

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2025- Till date	Senior Assistant Professor	Siddhartha Academy of Higher Education (Deemed to be University)	
2009-2025	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	<ul style="list-style-type: none"> • NAAC – Dept. Criteria Coordinator • NBA – Dept. Criteria Coordinator • NIRF Department Coordinator • Department Newsletter Editor • Class Counselor • Course Coordinator
2007-2009	Teaching Assistant	Velagapudi Ramakrishna Siddhartha Engineering College	

Research Interests

Broad Area of Research:

Additive Manufacturing, Advanced Materials and Processes, Welding Technology

Honors and Awards

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Courses Taught

S.No	Course Name	Level (UG/PG)
1.	Engineering Mechanics	UG
2.	Engineering Graphics	UG
3.	Mechanics of Materials	UG
4.	Advanced Mechanics of Materials	UG
5.	Additive Manufacturing	UG & PG
6.	Robotics	UG
7.	Computer Aided Design	UG
8.	Computer Graphics	PG
9.	Engineering Mechanics	UG
10.	Engineering Graphics	UG

Research Profile

Publications

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

Google Scholar	https://scholar.google.com/citations?hl=en&user=SCzjcjgAAAAJ
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57716840700
ORCID	https://orcid.org/0000-0002-3303-3920
dblp	--
Publons	--
Research Gate	--
LinkedIn	https://www.linkedin.com/in/dr-m-sumalatha-assistant-professor-me-department-506a54227/

Recognized Research Supervisor

S.No.	Department	University
01.	--	--
02.	--	--

Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.	Funded	Analysis And Optimisation Of Mechanical Hardware Of INS Mounted On A Bracket In Space Vehicle	Completed	Research centre Imarat(RCI), Hyderabad	5,30,000	6 months

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	--	--		

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Artificial Intelligence and Machine Learning in Materials Engineering	NPTEL	12 Weeks	Jul-Oct 2024
2.	Introduction To Industry 4.0 And Industrial Internet Of Things	NPTEL	12 Weeks	Jan-Apr 2024

3.	The Joy of Computing using Python	NPTEL	12 Weeks	Jul-Oct 2022
4.	Fundamentals of Additive Manufacturing Technologies	NPTEL	12 Weeks	Jul-Oct 2021

Consultancy / Industry Projects

Completed	01
On-going	--
Applied	--

Patents

S.No	Title	Status	Application No.	Year
1.	Object Detection in Extreme Dark Conditions	Published	20244105021 9	23/05/2025
2.	Semi-Automated Spot And Grab Harvesting Arm	Published	202341041075	05/07/2024
3.	Development and Fabrication of Filament Extruder for 3D-Printer and Material Recycling	Published	202441000089	16/02/2024
4.	3-IN-1 Water Purifier, Water Cooler & Air Cooler	Published	202341001723	27/01/2023
5.	Automatic Seat Belt Mechanism For automobiles	Published	202341009392	24/03/2023
6.	Integrated Airless Wheel for Motor cycle	Published	366794-001 (Design Patent)	26/06/2022(filed)

Ph.D

Awarded	--
Guiding	--

Invited Talks

No. of Invited Talks	--
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Professional Service / Reviewer

- Reviewer in Journal of Materials Engineering and Performance An ASM Publication, **Q2 Journal -Abstracted and indexed in SCOPUS, SCIE.**
- Reviewer in SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES E-ISSN: 1304-7205, **Abstracted and indexed in SCOPUS, ESCI.**

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	14
International / National Level Seminars	5
International / National Level Conferences	8
Workshops	7
Instructor Led / Self-Paced Courses	--
Webinars	12

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	LM111212	Indian Society for Technical Education (ISTE)

(Dr. M. SUMALATHA)
