

Dr.A.Sandhya



Designation : Assistant Professor
E-Mail ID : akuri.sandhya@vrsiddhartha.ac.in
Contact at : Department of Mathematics,
 Velagapudi Ramakrishna Siddhartha School of Engineering,
 Kanuru, Vijayawada, Andhra Pradesh 520007.

Education

Ph. D (Mathematics)

2022, Jawaharlal Nehru Technological University, Kakinada

M.Sc (Mathematics)

2008, P.B Siddhartha arts & sciences, Vijayawada

B.Tech (M.P.C)

2006, Gandhiji Mahila Kalasala, Vijayawada

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2024-till date	Assistant Professor	Velagapudi Ramakrishna Siddhartha School of Engineering	Teaching, Course co-ordinator for DMS. Conducting remedial classes for slow learners and bridge course classes for Diploma students. research publications, Paper presentation, NBA/NAAC coordination.
2009-2024	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	
Aug 2008- Dec 2008	Lecturer	Sarada College Vijayawada	Teaching

Research Interests

Broad Area of Research :

Heat and mass transfer effects on MHD Convective flows through different chann

Honors and Awards

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Courses Taught

S.No	Course Name	Level (UG/PG)
1	Linear Algebra, Series and Calculus	UG
2	Differential Equations and Numerical Methods	UG
3	Linear Algebra and Differential Calculus	UG
4	Mathematics for Data Science	UG
5	Matrices and Differential Calculus	UG
6	Laplace Transforms and Integral Calculu	UG
7	Complex analysis and Numerical methods	UG
8	Discrete Mathematics	UG
9	Probability and Statistics for Engineers	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=Qk3vPHYAAAAJ
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57211806673
ORCID	https://orcid.org/0000-0002-2108-0949
Publons	https://www.webofscience.com/wos/author/record/ACO-1796-2022
Research Gate	https://www.researchgate.net/profile/A_Sandhya2

Recognized Research Supervisor

S.No.	Department	University
1.	Mathematics	Siddhartha Academy of Higher Education Deemed to be University

Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.	Funded	Computational Intelligence of Fractional Calculus	Completed	UGC-SERO	₹2,60,000	2 Years

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	Student welfare Coordinator	VRSEC	2015-till date	Develop policies and initiatives that enhance students welfare.
2	R&D Coordinator	VRSEC	2022-Feb2025	Ensure proper documentation of research activities
3	UHV Coordinator	VRSEC	2020- till date	Update databases with UHV system parameters
4	MMTTP NEP Coordinator	VRSEC	2020- till date	Align departmental academic and research activities with the principles of NEP

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Vector Calculus for Engineers	Coursera	2Weeks	2020
2.	Matrix Methods	Coursera	2Weeks	2020
3.	Differential Equations for Engineers	Coursera	2Weeks	2020
4.	Matrix Algebra for Engineers	Coursera	2Weeks	2020

5.	MATLAB Onramp	Mathworks training services	1 day	2020
6.	Research methodology	JNTUK	15 days	2014
7.	intellectual property rights	JNTUK	15 days	2014

Consultancy / Industry Projects

Completed	00
On-going	00
Applied	00

Patents

S.No	Title	Status	Application No.	Year
1.	A System for detecting dissipation effects in convective heat and mass transfer through nano-fluids.	Published	202341021231	2023
2.	Apparatus for predictive analysis of magnetohydrodynamic (mhd) behavior through combined numerical and analytical approaches.	Published	202441061915	2024

Ph.D

Awarded	00
Guiding	00

Invited Talks

No. of Invited Talks	00
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Professional Service / Reviewer

- Reviewer of Heat Transfer Journal.
- Reviewer of international journal of applied mechanics and engineering

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	03
International / National Level Seminars	10 / 05
International / National Level Conferences	09/ 04
Workshops	10
Instructor Led / Self-Paced Courses	-
Webinars	15

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	173198	International Association of Engineers (IAENG)
2.	LM1179	Andhra Pradesh Society for Mathematical Sciences (APSMS)

A. Sandhya

(Your Name & Signature with Date)
