K.HEMALATHA

Designation : Associate Professor

E-Mail ID : hemakphd@vrsiddhartha.ac.in

Contact at : S&H-II/202 , Department of Mathematics,
Velagapudi Ramakrishna Siddhartha School of Engineering,
Kanuru, Vijayawada, Andhra Pradesh 520007.

Education

Ph.D.(Fluid Dynamics)
2010, Acharya Nagarjuna University, Guntur

M.Phil (Fluid Dynamics)
2003, Alagappa University, Madras

CCDP & PGDCA
1998,CMC,Vijayawada

M.Sc (Mathematics)
1987, Andhra University, Vizag

B.Sc(Electronics)
1984, S.V.University, Tirupathi

Experience

Period	Designation	Institution / Organization
11-3-2024 to till date	Associate Professor	Velagapudi Ramakrishna Siddhartha School of Engineering
2012-2024	Associate Professor	Velagapudi Ramakrishna Siddhartha Engineering College
2004-2012	Asst. Professor	Velagapudi Ramakrishna Siddhartha Engineering College
1998-2004	Lecturer	Koneru Lakshmaiah College of Engineering
1995-1996	Lecturer	Vintha Suryanarayana Reddy&Viswakavitha Junior College
1994-1995	Lecturer	Maris Stella College
1992-1994	Lecturer	K.E.S Polytechnic for Women
1987-1992	Lecturer	Nagarjuna Educational Academy

Research Interests

Broad Area of Research :
- Fluid Dynamics
- Modelling

Honors and Awards

- Best Student Award (School)
- National Merit Scholarship(Degree)
- 5th Rank in M.Sc(University)
- Best Teacher Award (KLCE)
- Woman Researcher Award(ELSEVIER)

Courses Taught

S.No	Course Name	Level (UG/PG)
1.	Linear Algebra	UG/PG
2.	Modern Algebra	UG
3.	Differential Equations	UG
4.	Numerical Analysis and Special Functions	UG
5.	Real Analysis	UG
6.	Complex Analysis	UG
7.	Transformations(Continuous and Discrete)	UG
8.	Probability distributions and Statistics	UG
9.	Calculus	UG
10.	Optimization Techniques	UG/PG
11.	Automata theory and Formal Language	PG
12.	Mathematical Foundation for Data Science	PG
13.	Discrete Mathematics for B.Tech and M.C.A	UG/PG

Research Profile

Publications

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

Google Scholar	https://scholar.google.com/citations?user=i_4syXgAAAAJ
Scopus	https://www.scopus.com/authid/detail.uri?authorId=56411819300
ORCID	https://orcid.org/0000-0002-4460-1647
Research Gate	https://www.researchgate.net/profile/K_Hemalatha2
Publons	https://publons.com/researcher/3699345/k-hemalatha/

Recognized Research Supervisor

S.No.	Department	University
01.	Mathematics	Krishna University, Machilipatnam
02.	Mathematics	Jawaharlal Nehru Technological University, Kakinada

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Effective Engineering Teaching in Practice	NPTEL	8 Weeks	2017
2.	Educational Leadership	NPTEL	8 Weeks	2018
3.	Outcome Based Pedagogic Principles for Effective Teaching	NPTEL	4 Weeks	2018
4.	Descriptive Statistics with R Software	NPTEL	8 Weeks	2019

Patents

S.No	Title	Status	Application No.	Year
1.	System and Method to Predict Product™S Freshness status and Manage its delivery	Published	202041026062	2020

Ph.D

Awarded	03
Guiding	01

Invited Talks

No. of Invited Talks	02

Professional Service / Reviewer

- Reviewer in Computational and Applied Mathematics(COAM)

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	16
International / National Level Seminars	15/15
International / National Level Conferences	29/20
Workshops	25
Instructor Led / Self-Paced Courses	04/04
Webinars	15

Professional Bodies Membership Details

L/972	Indian Society of Theoretical and Applied Mechanics (ISTAM)
174765	International Association of Engineers

(Dr.K. HEMALATHA)