

Dr. K. HEMALATHA



Designation : Associate Professor
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Contact at : S&H-II/202 , Department of Mathematics,
 Velagapudi Ramakrishna Siddhartha Engineering College,
 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
2012- Till date	Asso. 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)
- Associate fellow of APAS

Courses Taught

- Linear Algebra
- Modern Algebra
- Differential Equations
- Numerical Analysis and Special Functions
- Real Analysis
- Complex Analysis
- Transformations (Continuous and Discrete)
- Probability distributions and Statistics
- Calculus
- Optimization Techniques
- Automata theory and Formal Language for M.Tech CSE
- Mathematical Foundation for Data Science for M.Tech IT
- Optimization Techniques for M.Tech Electrical
- Linear Algebra for M.Tech Electrical
- Discrete Mathematics for B.Tech and M.C.A

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 Awarded : 2 in 2020, 1 in 2022
02.	Mathematics	Jawaharlal Nehru Technological University, Kakinada

Patents

Granted	00
Published	01
Applied	00

Invited Talks

No. of Invited Talks	02
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Professional Service / Reviewer

- Reviewer in Computational and Applied Mathematics (COAM)

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	08
International / National Level Seminars	15/12
International / National Level Conferences	15/20
Workshops	23
Instructor Led / Self-Paced Courses	09
Webinars	07

Professional Bodies Membership Details

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

(Dr. K. HEMALATHA)
