




# K. S. SCHOOL OF ENGINEERING & MANAGEMENT

# 15, Mallasandra, Off. Kanakapura Road, Bengaluru-560109, Karnataka, INDIA.

**KSSEM**  
K. S. SCHOOL OF ENGINEERING & MANAGEMENT

<b>Faculty Name</b>	Dr. LAKSHMI B	
<b>Designation</b>	Assistant Professor	
<b>Educational Qualification</b>	M.Sc., Ph.D.	
<b>Experience in Years</b>	Teaching: 16	
<b>Areas of Interest</b>	Fluid mechanics, Boundary layer theory, Heat transfer.	
<b>E-mail</b>	lakshmi@kssem.edu.in	

## Educational Details

Examination/ Degree	College / University	Year of Passing
UG	Vidyavardhaka Sangha College /Bangalore University	2003
PG	Bangalore University	2005
PhD	Jain University	2021

## Publications

### Journal Publications:

- 1.“Steady mixed convection MHD boundary layer flow and heat transfer of Casson fluid in presence of suction and blowing” in International Journal of Mechanical Engineering and Technology (IJMET), Volume 7, Issue 5, September–October 2016, pp.18–30.
- 2, “Unsteady slip flow of Casson fluid in presence of thermal radiation and heat generation/absorption with suction/blowing effect” in International Journal of Mechanical Engineering (SSRG-IJME)-volume 4, Issue 10, october2017.
3. Effect of suction /blowing on unsteady MHD slip flow of Casson fluid over a stretching sheet with thermal radiation’ in in Journal of Science and Arts(JOSA), ISSN:1844-9581, no.2(43), pp503- 514, March2018.
- 4.“Boundary layer in flow of Casson fluid due to stretching sheet with exponentially moving free stream” in Journal of Science and Arts(JOSA), ISSN:1844-9581, no.2(43), pp161-166, March2019.
- 5.‘MHD flow of Casson fluid due to quadratic stretching of the sheet’. SSRG International Journal of Mechanical Engineering (SSRG-IJME), ISSN: 2348-8360, Volume 6, Issue 2, February2019.
- 6.“MHD Casson fluid stagnation point flow and Heat transfer over an exponentially stretching surface in presence of Uniform Heat source and sink with suction effect”. Journal of science and

Arts, vol.22, Issue.3(2022):781-790, DOI: 10.46939/J.Sci.Arts-22.3-c02.

7. 'A review on the heat transfer fluids for pulsating heat pipes'. TANZ, ISSN NO: 1869-7720, Vol19, Issue -04, 2024.

8. "Numerical Analysis of a multi-turn Pulsating heat pipe" (Accepted for publication in 'Engineering and applied science letters' journal)

9. 'Casson fluid Stagnation point flow through a porous, exponentially extending Riga plate with radiation effect and convective boundary condition' submitted to an international journal (under review)

## Awards

1. "Best Teacher Award" in the year 2010 by Auden Institute of Technology & Management Academy (ATMA) for the Academic excellence.
2. Teacher Of Excellence for 100% results in VTU Examination for Engineering Mathematics-1 in the year 2023-2024.

## Other Accomplishment

1. Attended, One-day training program on VTU Consortium E- Resources in association with VTU, Belagavi.
2. Attended One-day talk on 'Need of IPR literacy for academia and research institutions' organized by the department of ECE in association with CSIR-NAL.
3. Participated in five days' offline workshop on 'Human values education: why? and how?' organized by K.S.S.E.M.
4. Participated in six days' faculty development program on 'Orientation excellence: Empowering New faculty for success' at KSSEM.
5. Participated in the faculty Development program on 'Unveiling emerging research trends in Mathematics' organized by the department of mathematics, S RM Madhurai college of engineering and technology, Sivagangai.
6. Participated in Two-day online workshop on Emerging Trends in Applied sciences-2024 organized by Basic science and Humanities with IQAC at Moodlakatte Institute of Technology, Kundapura.
7. Participated in the NPTEL E-Awareness workshop organized by K.S. School of Engineering and Management.
8. Participated in AICTE-VAANI faculty development program on 'Smart cities and Motilities' organized by Jyothi Institute of Technology .

## Research Guidance

### 1. Ph.D. Guiding – 01

**Name of Research Scholar:** Sudhakar P, Assistant professor, Department of Mathematics, KSSEM.

**Year of Registration:** 2023-24 , **University :** Visvesvaraya Technological University (VTU)

## Contact Details

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