



# Dr. Dhruvathara B S

## Assistant Professor

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### Experience (Teaching and Industry)

1. RNSIT (2012- till date)
2. M V J College of Engineering (2011-2012)

### Qualifications

B.Sc – BMS College for Women (2009)  
M.Sc- Maharani Science College for Women (2011)  
Ph.D. – Visvesvaraya Technological University (2024)

### Specialization (Academics)

M.Sc- Mathematics

### Specialization (Research)

Fluid Mechanics

### Publications

1. EMHD flow and convective heat transfer over a prescribed surface temperature (PST) and prescribed heat flux (PHF) heating condition, Numerical Heat Transfer, Part A: Applications.
2. Convective flow and radiative heat transfer over a stretching sheet by considering Darcy forchhammer medium: AIP Conference Proceedings 2649, 030042 (2023).
3. Two-phase hydromagnetic Eyring-Powell fluid flow over a stretching sheet suspended to a dusty particle: International journal of Model and simulation.
4. Mathematical Modelling of the Effects of Drugs on the Kidney Function, International Journal of Science and Research (IJSR), (2025).
5. Published a book chapter titled "Applications of Number Theory and Optimization in Cryptography and Data Security" in the book titled, "Mathematics Beyond Frontiers: Recent Developments and Interdisciplinary Connections" (ISBN: 978-81-984818-3-2).
6. Filed and Published Patent "Mathematical Modelling System for predicting Convection Heat Transfer in Fluid Dynamics". (2025)
7. Hybrid nanofluid flow and convective heat transfer over a cylinder under the consequence of slip condition. 2025. <https://doi.org/10.1177/23977914251353294>