Basic Details:

- **Name:** Dr. Pragya
- **Designation**: Assistant Professor (OG)
- **Phone Number:** 9585735358
- **Email ID:** Pragyap@srmist.edu.in
- **Area or Subject:** Computational Fluid Dynamics
- **Affiliation:** Department of Mathematics, SRM Institute of Science and Technology, Ramapuram.

Educational Details:

- **Degree** – M. Sc., M. Phil, Ph. D.
- **Area or Subject** – Mathematics
- **University**

  Ph. D. Mathematics – 2022, Bharathiar University, Coimbatore, Tamil Nadu.

  M.Phil – 2010, Madurai Kamaraj University, Madurai, Tamilnadu.

  M.Sc. Mathematics – 2003, Banaras Hindu University, Varanasi, Uttar Pradesh.

  B.Sc. Mathematics – 2001, Banaras Hindu University, Varanasi, Uttar Pradesh

Research Interests: Computational Fluid Dynamics

Publications:

- Dr. R. Vasanthakumari and Pragya, Mixed convective Nanofluid flow over an inclined stretching plate with MHD and effects of Suction and Internal Heat Generation, Annals of Pure and Applied Mathematics, ISSN 2279-0888, Vol. 12(1)(2016), pp. 69-83.

- Dr. R. Vasanthakumari and Pragya, Boundary Layer Flow of Silver and Titanium oxide Nanofluids over Vertical Stretching Sheet, International Journal of Heat and Technology, ISSN 0392-8764, Vol. 34(3)(2016), pp. 371-376.
- Dr. R. Vasanthakumari and Pragya, Mixed convection of Silver and Titanium dioxide nanofluids along inclined stretching sheet in presence of MHD with heat generation and suction effect, Mathematical modeling of Engineering Problems, ISSN 2854-08543, Vol.5(2)(2018), pp. 123-129.
- Dr. R. Vasanthakumari and Pragya, Analysis of convectional heat transfer of Ag-MgO (water base) hybrid nanofluid over stretching sheet with MHD, International Journal of Mechanical and Production Engineering Research and Development, ISSN 2249- 8001, Vol. 8(4)(2018), pp. 559-566.
- Dr. R. Vasanthakumari and Pragya, Analysis of forced convection of Nanofluid over stretching sheet with suction effect, International Journal of Engineering and Technology, ISSN 2768-08126,Vol. 7(4)(2018), 6688-6691.1

Papers Presented in international/national conferences:

- Presented a Paper entitled "The impact of ternary nanofluid in the heat exchange of stretched sheet. " at the International Conference on Applied Mathematics and Computer Sciences(ICAMCS2022), organized by the DIT University Dehradoon.

Working Papers:

- Electrically charged Copper Nanofluid flow on stretching sheet of varying thickness with effects of radiation due to heat and changing flux due to heat

Work in Progress:

- Electrically charged Copper Nanofluid flow on stretching sheet of varying thickness with effects of radiation due to heat and changing flux due to heat.

Academic Experience:

- Worked as a Assistant Professor in Rameshwar Institute of Technology and Management, Lucknow from June 2020 to March 2023.
- Worked as a Assistant Professor in Idhaya College of Arts and Science for Women, Pondicherry from July 2010 to April 2014.
- Worked as a Assistant Professor in Rameshwar Institute of Technology and Management, Lucknow from July 2008 to April 2010.

Seminars, Webinars, Workshops and Conferences Attended

- Attended a FDP on "Discrete Mathematics conducted by VIT, Vellore during 13-17 July 2023.
- Attended a FDP on "Discrete Mathematics conducted by VIT, Vellore during 8-12 August 2022.
- Attended a conference on " Applied Mathematics and Computational Sciences" (ICAMCS) by DIT, Dehradoon during 13-17 October 2022.

Achievements and Awards:

- Qualified "Tamilnadu State Level Eligibility" (SLET) Test -2017.

- Qualified " National Level Eligibility" in Education (NET) Test -2017.

Membership: Nil

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