

# CURRICULUM VITAE

## Dr. Pratibha Mishra

LIG/25 DAYANAND VIHAR PHASE -1

INDIRA NAGAR KANPUR : 208026

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### CAREER OBJECTIVE

Secure a challenging role in an organization, which offers me opportunity to continuously learn and involve myself not as a better professional but also a better individual.

### EDUCATIONAL QUALIFICATION

- Ph.D. (Mathematics) from C.S.J.M.University, Kanpur in year 2011.
- Post-Graduation (M.Sc. Mathematics) from C.S.J.M. University, Kanpur in year 2003 with 1<sup>st</sup> Div. marks.
- Graduation (B.Sc.) from C.S.J.M. University, Kanpur in year 2001 with 1<sup>st</sup> Div. marks.
- Intermediate from U.P Board in year 1998 with 1<sup>st</sup> Div. marks.
- High school from U.P Board in year 1995 with 1<sup>st</sup> Div. marks.

### PROFESSIONAL EXPERIENCE

- **Total Teaching Experience 15 years.**
- **Lecturer (Mathematics) in HBTU, Kanpur from 2020**
- **Associate Professor (Mathematics) in Kanpur Institute of Technology from 2019-2020**
- **Lecturer (Mathematics) in HBTU, Kanpur from 2013-2018.**
- Worked as an Assistant professor(Mathematics) in Axis institute of Technology and Management, Kanpur from **Jan 2012 –Jan 2013**
- Worked as a Lecturer (Mathematics)in Krishna Institute of Technology, Kanpur from **Sep. 2010-Jan 2012**

### Research Papers Published In International Journals

1. Effect of electric load parameter on unsteady MHD convective flow of viscous immiscible liquids in a horizontal channel: Two phase model.  
(**Journal of Porous Media, University of California, Riverside, 2010, Vol. 13, pp. 439-455**)
2. Transient and non-Darcian effects on natural convection flow in a vertical channel partially filled with porous medium; Analysis with Forchheimer- Brinkman extended Darcy model.  
(**International Journal of Heat and Mass Transfer, 2011, Vol. 54, pp. 1111-1120**).

3. Unsteady free convection and mass transfer flow in stagnation – point region of a three - dimensional body; use of Homotopy Analysis method.  
(**Computational Thermal Science, 2010, Vol. 2, pp. 501-514**).
4. Effects of thermophoresis on hydro magnetic mixed convection and mass transfer flow past a vertical permeable plate with variable suction and thermal radiation.  
(**Communications in Nonlinear Sciences and Numerical Simulation, 2011, Vol. 16, pp. 2519-2534**).
5. Transient hydro magnetic radiative convection flow of a micro polar fluid past a moving semi-infinite vertical porous plate.  
(**Journal of Ultra Scientist of Physical Sciences, 2017, Vol.29(6), pp.132-141**)
6. Effect of non- uniform heat source and radiation on unsteady MHD free convection flow past an infinite heated vertical plate in porous medium.  
(**E-Journal Matematika, 2020, Vol.9(4), pp. 219-228**)

### **National & International Conferences/Seminar/Workshop/FDP:**

1. **Organizing Secretary** of four days online Short Term Training Program on “Data Analysis with Python Libraries” in the Department of Mathematics at HBTU, Kanpur on 25<sup>th</sup> -26<sup>th</sup> Oct. and 29<sup>th</sup> -30<sup>th</sup> Oct.2021.
2. **Organizing Secretary** of a three days online National Workshop “R- Programming for Statistical Analysis” in the Department of Mathematics at HBTU, Kanpur on 8<sup>th</sup> -10<sup>th</sup> Nov. 2021.
3. **Organizing Secretary** of a One day online National Workshop “Gender Sensitization &Prevention of Sexual harassment at Workplace” in the Department of Mathematics at HBTU, Kanpur on 12<sup>th</sup> Nov. 2021.
4. **Organizing Secretary** of a three days online Workshop “Python Programming for Data Sciences” in the Department of Mathematics at HBTU, Kanpur on 20<sup>th</sup> -22<sup>th</sup> Oct. 2021.
5. **Co-coordinator** of a Webinar “Modelling & Simulation” in the memory of Srinivasan Ramanujan” in the Department of Mathematics at HBTU, Kanpur on 22<sup>nd</sup> Dec. 2020.
6. **Organizing Secretary** of a Webinar “Applications of Mathematical Modelling in Sciences, Engineering & Technology” in the Department of Mathematics at HBTU, Kanpur on 9<sup>th</sup> Oct. 2021.
7. **Presented** a research paper, entitled “Effects of Non-Uniform Heat Source & Radiation on Unsteady Magneto- Hydro Dynamic Free Convection Flow” in the National Conference on Computing, Communication, Control, Informatics & Pharmaceutical Sciences held at Kanpur Institute of Technology, Kanpur during March 06-07 ,2020
8. **Attended** “National Conference on Current Advances in Science& Technology” in the Department of Applied Sciences & Humanities at Rama University, Kanpur, U.P. on 19 March 2016.
9. **Attended** “National Seminar in Mathematics on Mathematics & its Application to Industries” in the Department of Mathematics D.B.S (P.G) College, Kanpur(U.P) on 31 Jan - 01 Feb., 2009.

10. **Attended** “Workshop on Matlab Programming and its Applications” in the Department of Electrical Engineering of H.B.T.U., Kanpur during 25-26 February, 2015.
11. **Attended** “Workshop on Human Values And Professional Ethics” Organized by TEQIP III, HBTU, Kanpur, during July 27-29, 2018 at HBTU, Kanpur.
12. **Attended** Faculty Knowledge Sharing Program on “Innovation in Teaching and learning approaches” at Kanpur Institute of Technology, Kanpur on 17 August, 2019.

### **Specialization in Teaching:**

1. Programming in Python & R
2. Operations Research
3. Engineering Mathematics
4. Advanced Engineering Mathematics
5. Computational Linear Algebra
6. Business Statistics
7. Computer Oriented Numerical Methods

### **COMPUTER AWARENESS**

Having good knowledge of Computer basics.

### **PERSONAL DETAILS**

- Father’s Name : Late Bhuvnesh Bhushan Agnihotri
- Date of Birth : 01 June 1981
- Sex : Female
- Nationality : Indian
- Marital Status : Married
- Language known : Hindi & English

### **STRENGTH**

Flexibility & Positive thinking

### **DECLARATION**

I will try my best to prove myself and to come up to your expectations. I hereby declare that the above mentioned information is true to the best of my knowledge.

**DATE :**

**PLACE : KANPUR**

**(PRATIBHA MISHRA)**