

Faculty Profile

Name of Faculty	Dr. A.Pranesha Setty
Department	Mathematics
Qualification	M.Sc., Ph.D.
Designation	Associate Professor
Area of specialization	Fluid Mechanics
Date of Joining BNMIT	05.08.2006
Nature of Association (Regular/Contractual/Adjunct)	Regular
e-mail	pranesh73@yahoo.co.in pranesh73@gmail.com
No. of years of Experience	Teaching:22 years



Academic Qualifications

- **Ph.D.** (2012), Department of Mathematics, Bangalore University, Bangalore, India.
- **M.Sc.** (1997), Applied Mathematics, Department of Mathematics, Gulbarga University, India
- **B.Sc.** (1995), Veerasaiva College, Bellary (I Class).

Working Experience Details

- **Associate Professor** in the Department of Mathematics, **B .N.M. Institute of Technology**, Bangalore, from 2012 – Till date.
- **Senior Lecturer in** the Department of Mathematics, **B. N. M. Institute of Technology**, Bangalore, from 2008 to 2012.
- **Lecturer** in the Department of Mathematics, **B. N. M. Institute of Technology**, Bangalore, from 2006 to 2008.
- **Lecturer** in the Department of Mathematics, **CMR Institute of Technology**, Bangalore from 2004 to 2006.
- **Lecturer** in the Department of Mathematics, **(BMS Day & Evening) College of Engineering**, Bangalore from 2001 to 2004.
- **Lecturer** in the Department of Mathematics, **PES Degree College Hanumantha Nagara**, Bangalore from 2001 to 2004.
- **Lecturer** in the Department of Mathematics, **R J S Polytechnic Koramangala**, Bangalore from 1997 to 2001.

Subject taught

- Engineering Mathematics I, II, III & IV
- Mathematics for undergraduate (B.Sc.,)
- Linear Algebra for M Tech students
- Combinatorics for BE IV Sem students

Title of the Thesis

Ph.D: Investigation of Problems on Linear and Non Linear Convection in Porous Media

Research Supervision

Guiding Students for Doctoral Degree

Sl. No.	Name of the student	University	Title of Research Topic
1	SATISHA.M 1BG15PGJ01	VTU, Belgaum	A STUDY OF CONVECTION OF BINARY LIQUIDS IN POROUS MEDIA
2	MOHAMMED AYISHA 1BG17PGA05	VTU, Belgaum	A STUDY OF CONVECTION OF BINARY LIQUIDS

NPTEL Online certification courses

Sl. No	Title of the course	Duration of the course	Date of exam
1	Mathematical Methods and Its applications	January-April 2019 (12 weeks)	27 th April 2019

Academic Positions and other Responsibilities (Institute Level):

- **External Deputy Superintendent** for the conduct UG / MCA / MBA, VTU examinations at APS College of Engineering, Bangalore. (2018)
- **External Deputy Superintendent** for the conduct UG / MCA / MBA, VTU examinations at KSSEM Bangalore. (2016)
- **Squad Member** for the conduct UG / MCA / MBA June/ July 2008 VTU examinations.
- **Valuer and Moderator for under graduate valuations of VTU, Bengaluru University, Bengaluru UB and DSCE.**
- **Member, Indian Society of Theoretical and Applied Mechanics (ISTAM- 2007), B.N.M. Institute of Technology, Bangalore.**
- **Member, International Conference on Mathematical Modeling and Nonlinear Equations, BNMIT- Member of the organizing committee (January 20 – 22, 2010).**
- **Member, International Conference on Fluid Dynamics and its Applications, B.N.M. Institute of Technology, Bangalore.**
- **External Deputy Superintendent** for the conduct UG / MCA / MBA, VTU examinations at M V J College of Engineering, White field, Bangalore. (2005)

Professional Memberships:

1. Life Member of Indian Society for Technical Education (**ISTE**): LM -45132.
2. Life Member of Indian Society of Theoretical and Applied Mechanics (**ISTAM**): L-580

Workshops /Seminars Organized:

1. Three days International Conference on “Fluid Dynamics and its Applications” at BNM Institute of Technology, Bangalore on 12-14, July 2017.
2. Three days International Conference “Mathematical Modelling and Non Linear Equations” at BNM Institute of Technology, Bangalore on 20-22, January 2010.
3. Four days International Conference “52nd Congress of ISTAM -2007” at BNM Institute of

Technology Bangalore On 17-21, December 2007.

Research Publications:

- 1 **P. M. Balagondar .,A.Pranesha Setty** (2015) The study of double diffusive natural convection in anisotropic porous rectangular channel using a local thermal non-equilibrium model, International Journal of Mathematical Archive-6(7), 2015, pp 71-79
- 2 **P. M. Balagondar .,A.Pranesha Setty** (2014) Natural Convection in Anisotropic Rotating Porous Rectangular Channels in the Presence of Local Thermal Non-Equilibrium Model. International Journal of Mathematical Sciences, vol 13, numbers 3-4, pp 161-174.
- 3 **P.M.Balagondar .,A.Pranesha Setty** (2012) A Study Of Natural Convection In Anisotropic Porous Rectangular Channel Using A Local Thermal Non-Equilibrium Model, International journal of Applied Mechanics and Engineering(IJAME), Poland , 17/1, pp.5 – 16

Papers presented in International/National Conferences

- 1 Linear convection in fluid-saturated anisotropic rectangular porous channels with Soret-Dufour effects, in International conference on “Fluid Dynamics and Its Application” held at BNMIT, Bangalore, July 12-14, 2017.
- 2 Cross Diffusion Effects in Double Diffusive convection of fluid saturated anisotropic rectangular porous media, 61st Congress of ISTAM, (An International Conference) organized by VIT Vellore, December 17 - 20, 2016
- 3 The Study of Double Diffusive Natural Convection In Anisotropic Porous Rectangular Channel Using A Local Thermal Non-Equilibrium Model. in 59th Congress of ISTAM-2014, held at Alliance University Bangalore, December 17- 20, 2014.
- 4 A Study Of Linear Double Diffusive Convection In Fluid-Saturated Anisotropic Rectangular Porous Channels with Cross-Diffusion Effects in V National Conference on “Emerging trends in fluid mechanics” held at Christ University, Bangalore, on March 14-15, 2014.
- 5 Effect of Ramp Heating on Onset of Convection in a Fluid Saturated Porous Layer with Local Thermal Non Equilibrium Model in 56th Congress of ISTAM, held at S.V.N.I.T. Surat, December 19-21, 2011.
- 6 Natural convection in anisotropic rotating porous rectangular channels using thermal non-equilibrium model” in International conference on “Fluid Dynamics and Its Application” held at BNMIT, Bangalore, July 20-22, 2011.
- 7 A study of Natural Convection in Anisotropic Porous Rectangular Channels Using a Thermal Non-Equilibrium Model in IInd National Conference on Emerging trends in fluid mechanics and graph theory” held at Christ University, Bangalore, on March 18-19, 2011.
- 8 An Analytical Study of Coriolis force and Double Diffusive Convection in Isotropic and Anisotropic Porous Channel” in the International Conference on Mathematical Modeling & Non Linear equations held at BNMIT, Bangalore, on February 11- 12, 2011.

Faculty Development Program:

- 1 **Innovative Teaching and Effective Communication**, organized by B.N.M. Institute of Technology, Bangalore, July 18 – 20, 2012.
- 2 **Internalize Intellectual Property & Strategic Management of Intellectual Property Rights**, organized by VTU, Belgaum at BNMIT, Bangalore, March 2, 2012.

Participation in Training courses/Seminars/Workshops:

1. Six days faculty development programme on “ Applications of Mathematical Tools for Engineering Applications” at M. S. Ramaiah Institute of Technology. 30th July- 4th August 2018
2. Six days faculty development programme on “Computational Tools for Engineering Applications” at M. S. Ramaiah Institute of Technology. 16- 21, January 2018
3. Two day National Conference on Current Advances in Science and Technology at K.S. Institute of Technology, Bangalore on 10-12, May 2017
4. Two day Workshop on “Sampling theory & Stochastic Process” at Global Academy of Technology. Bangalore on 24-25, March 2017
5. Two day Workshop on “Indian Mathematicians, their works and Astronomy” at Global Academy of Technology. Bangalore on 17-18, February 2017
6. One day Workshop on “Engineering Mathematics- IV, 15MAT41 (to discuss Syllabus) at Jain College of Engineering, Belagavi. 4th February 2017
7. Six days faculty development programme on “Discrete Mathematics, Modeling & Computational Techniques in Science & Engineering” at M. S. Ramaiah Institute of Technology. 16- 21, January 2017
8. Four days International Conference “61st Congress of ISTAM -2016” at VIT University, Vellore. 11-14, December 2016
9. Three days faculty development programme on “Applied Mathematical Modeling” at M S Ramaiah Institute of Technology, on 13-15 July 2015
10. Two day Faculty Development Programme on “Towards a New Curriculum in Engineering Mathematics with Scilab & Maxima” at Jyothi Institute of Technology on December 26-27, 2014.
11. Four days International Conference “59th Congress of ISTAM -2014” at Alliance University Bangalore, on 17-20, December 2014.
12. One day “Workshop on Basic Science Syllabus for B.E Programme” at University of B.D.T. College of Engineering, Davanagere on 20th August 2014.
13. One Week National Service Scheme (NSS) camp “National Integration Camp” Organized by Visvesvaraya Technological University, Belgaum, 9-15, January 2014
14. V National Conference on “Emerging Trends in Fluid Mechanics” at Christ University, Bangalore, on March 14-15, 2014.
15. Two day National Conference on “Mathematical Modeling with Engineering Applications (MMEA-2013)” at Government Sri Krishnarajendra Silver Jubilee Technological Institute on 25-26 October, 2013.
16. Three days Faculty Development Programme on “Innovative Teaching & Effective Communication” at BNM Institute of Technology on 18-20 July 2012.
17. One day Faculty Development Program on “Internalize Intellectual & Strategic Management of Intellectual Property Rights” at BNM Institute of Technology on March 2nd 2012.
18. Three days International Conference “56th Congress of ISTAM -2007” at S.V. National Institute of Technology, Surat On 19-21, December 2011.
19. Two day National workshop on “Analytical and Numerical solutions non-linear differential equation” at Amrita school of Engineering on March 18-19, 2011.
20. Two day workshop on “Computational fluid dynamics” at Raja Rajeswari college of Engineering on October 22-23, 2010.

- 21 One day work shop on “Linear Algebra” at Atria Institute of Technology, on August 30th, 2010.
- 22 National Conference on “Emerging Trends in Fluid Mechanics and Graph Theory” at Christ University, Bangalore, on February 25-26, 2010.
- 23 Three days International Conference Mathematical Modeling and Non Linear Equations” at BNM Institute of Technology, Bangalore on 20-22 January 2010.
- 24 Four days International Conference “54th Congress of ISTAM -2007”at Netaji Subhas Institute of Technology, New Delhi, on 18-21, December 2009.
- 25 Three days “International Conference on Frontiers in Fluid Mechanics (ICFFM_2009), on August 31- September 2, 2009 Bangalore University Bangalore.
- 26 One Day Symposium on “ Ramanujan’s Mathematics (Series-II)” at Department of Mathematics, Central College Bangalore University, Bangalore, on 15th June 2009.
- 27 A Two day workshop on “Linear Algebra and its Applications” August 5-6, 2008 at PESIT, Bangalore.
- 28 One day workshop on “ Sankhya Vallari-2008” at Sri Bhagawan Mahaveer Jain College, Bangalore
- 29 Four days International Conference “53rd Congress of ISTAM -2008” at University College of Engineering, Osmania University, Hyderabad. (A.P), on December 27-30, 2008
- 30 One day Symposium on “Applied Mathematics in Engineering Technologies” at BNM Institute of Technology, on 16th December 2006.
- 31 Two week work shop on “Computational Fluid Dynamics” at B M S College of Engineering on January 9-23, 2008
- 32 Four days International Conference “52nd Congress of ISTAM -2007”at BNM Institute of Technology Bangalore On 17-21, December2007.
- 33 One day workshop on “Preparation of Model Question Paper of Engineering Mathematics III and IV Semester” at K.L.E Society’s college of Engineering and Technology, Belgaum on 8th September 2007.
- 34 One day Symposium on “Applied Mathematics in Engineering Technologies” at BNM Institute of Technology, December 16, 2006.
- 35 National seminar on“Graph Theory and Algorithms”at PESIT Bangaloreon10-12June 2006.
- 36 A Lecture on “Graph Theory” By of. B. D.Acharya at CMRIT . Bangalore. 2006
- 37 One day workshop on Graph Theory and Combinatorics ” at CMRIT Bangalore. 2005
- 38 One day workshop on “National Conference on “Computational Mathematics in Engineering Applications-2005 at R.V.College of Engineering, Bangalore, on 21-22 July 2005.
- 39 Two day International Symposium on “Advanced Fluid Mechanics” at UGC-CAS in Fluid Mechanics Department of mathematics Bangalore University, Bangalore, 21-22 June 2004
- 40 One day workshop on “Fourier Transform and its Applications” at VidyaVardhaka Sangha and Bangalore University, Bangalore on 12th December 2003.

Personal Details:

- **Date of Birth:** 02 - 06 –1973, **Gender:** Male.
- **Family Details:** Spouse: Smt Sandhya A.
Daughters: A. Sreenidhi & A. Sannidhi
- Passport Number: R8550263 (valid till 15th January 2028)

11th January 2019

Dr. A. Pranesha Setty