



Dr. T .N.VISHALAKSHI

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### PERSONAL PROFILE:

Date of Birth : 20-02-1971  
Father's Name : T. Nagarajappa  
Mother's Name : Annapoorna  
Nationality : Indian

### EDUCATION:

Ph.D (Mathematics), Bangalore University, Bangalore,(2004).  
M.Sc. (Mathematics), Mangalore University, Mangalore (1993).  
B.Sc. (Physics, Computer science, Mathematics), St. Aloysius College, Mangalore, (1991).

### PROFESSIONAL HISTORY:

Lecturer : From 27-oct-1995 TO 16-march 2006  
Assistant Professor : From 17-march-2006 TO 16-march 2009  
Associate Professor : From 17-march-2009 TO 16-march 2019  
Professor : From 01-January -2019

**TITLE OF Ph.D THESIS:** "Finite amplitude instability of time dependent flows under the influence of external constraints"

### PUBLICATIONS:

1. P.K.Srimani And Vishalakshi.T. N " Mathematical model for time dependent flows in a densely packed porous layer" Published in International journal of Applied Mathematics and Statistical Sciences(IJAMSS)" ISSN(PRINT):2319-3972;ISSN(online):2319-3980;Vol-3,Issue-5,Sep-2014.
2. Chandra Shekara G. and Vishalakshi.T. N "Pseudo-Spectral Collocation Solution of Nonlinear Time Dependent System of Partial Differential Equations" published in Research journal for science and technology (IJST) Volume No.9 Issue No: 3 ; Year : 2017 ISSN Print : 0975-4393 ISSN Online : 2349-2988.
3. Vishalakshi.T. N and Chandra Shekara G. "Non-linear time-dependent convection of flow through sparsely packed porous layer with gravity modulation " published in Journal of Emerging Technologies and Innovative Research (JETIR),Volume No.6; Issue No. : 1; Year : January 2019; ISSN : 2349-5162.

### CONFERENCE / WORKSHOP ATTENDED:

1. ISTE – CEP winter school on " Objected Oriented Programming" held at BMSCE, Bangalore January 07 – 21, 2002.
2. ISTE-CEP short-term course on "Data Base Technology", held at BMSCE, March 04-17, 2002.
3. ISTE-CEP short term course on "Digital Controller design and Applications" held at BMSCE, June 15-28, 2002.

4. ISTE-CEP winter school on “Biotechnology for Engineers”, held at BMSCE, Jan 06-20, 2003.
5. Participated in the Two day symposium on applied Engineering mathematics organized at Sri Siddhartha Institute of Technology Tumkur 19<sup>th</sup> and 20<sup>th</sup> May 2006 .
6. ISTE-CEP winter school on “Biotechnology for Engineers”, held at BMSCE, Jan 06- 20, 2003.
7. ISTE-STTP short term course on “Software testing” held at BMSCE, Aug 19-Sept 1<sup>st</sup>.,2006.
8. “Symposium on applied mathematics in Engineering technologies” organized at BNMIT Bangalore on 16<sup>th</sup> December 2006.
9. Two days workshop on “Interpersonal skills ,Assertive skills and Positive Attitude for success” on 28<sup>th</sup> and 29<sup>th</sup> June 2007 held at BMSCE.
10. One week faculty development program on “Software tools and practices for engineers and scientists” from June 10<sup>th</sup> 2011 to 17<sup>th</sup> June 2011 held at BMSCE.
11. Three days workshop on “Linear Algebra” on 16<sup>th</sup> ,17<sup>th</sup> and 18<sup>th</sup> January 2012 held at MSRIT Bangalore.
12. STTP on Project Management from 20-8-2012 to 25-8-2012 at BMSCE
13. One week faculty development program on “Biostatistics –Hands on with SPSS and R Tool” from July 8<sup>th</sup> 2013 to 12<sup>th</sup> July 2013 held at BMSCE.
14. One week faculty development program on “Biostatistics and Bio-modeling using Software tools” from July 22<sup>nd</sup> 2013 to 26<sup>th</sup> July 2013 held at BMSCE.
15. One week faculty development program on “Latex and Excel for research –Hands on sessions” from August 2<sup>nd</sup> 2013 to 7<sup>th</sup> August 2013 held at BMSCE.
16. One week faculty development program on “Intelligent Machines and systems” from January 20<sup>th</sup> 2014 to 24<sup>th</sup> January 2014 held at BMSCE.
17. Two weeks faculty development program on “Computational fluid\_dynamics” from June 23<sup>rd</sup> 2014 to 5<sup>th</sup> July 2014 held at BMSCE.
18. One week faculty development program on “Linear Algebra” from June 16<sup>th</sup> 2014 to 20<sup>th</sup> June 2014 held at BMSCE.
19. Two - week ISTE workshop on “ Fluid Mechanics” conducted by IIT Kharagpur from May 20<sup>th</sup> 2014 to 30<sup>th</sup> May 2014 held at BMSCE.
20. TEQIP-II sponsored Two Weeks Faculty Development Program on “Graph Theory - Algorithms & Applications” from 26.12.2016 to 07.01.2017 held at BMSCE.
21. TEQIP-II sponsored One Week Faculty Development Program on “Advanced Numerical Techniques For Engineers and Researchers from 23.01.2017 to 28.01.2017 at BMSCE .
22. AICTE approved FDP Under the aegis of Pandit Madan Mohan Malviya National Mission for Teachers and Teaching (PMMMNTT) on "Foundation Program in ICT for Education" and the second phase of this FDP on “Pedagogy for online and Blended teaching- Learning processes”, MHRD, GOI. 03/08/2017 to 07/09/2017 and 14/09/2017 To 12/10/2017 at BMSCE.
23. MHRD Sponsored GAIN Course on “Pseudo-Spectral Methods and their Applications in Solving System of Differential Equations 15/01/2018 25/01/2018 BMSCE
24. TEQIP-III sponsored Two Week Faculty Development Program on IOT and its Applications 24/06/2019 to 05/07/2019
25. TEQIP-III sponsored Two days National Symposium on Recent Developments in Infectious Diseases 23/08/2019 24/08/2019 BMSCE,

## CONDUCTION OF WORKSHOPS:

1. Involved in the Organizing committee for Two week workshop on “COMPUTATIONAL FLUID DYNAMICS” held at BMSCE, during January 09-23,2008.
2. CO-Convended one week TEQIP-II Sponsored Faculty Development program on “Biostatistics – Statistical Analysis through Software Tools” from February 11<sup>th</sup> 2013 to 16<sup>th</sup> February 2013 held at BMSCE

## **PAPER PRESENTATION IN NATIONAL CONFERENCES:**

1. Participated and presented a research paper on “ Finite Amplitude Instability of time dependant flow in a porous media” at the 15<sup>th</sup> Annual Conference of the Ramanujam Mathematical Society, held at Chennai, June –5, 2000.
2. Participated and presented a research paper on “ An efficient mathematical model for time dependent flows in a densely packed porous layer ” at National women’s science congress’ held at Bijapur 07-11-2008 to 09-11- 2008.

## **MEMBERSHIP & FELLOWSHIP OF PROFESSIONAL BODIES:**

- (i) BOS, Department of Mathematics, BMSCE, Bangalore-560 019.
- (ii) BOE, Department of Mathematics, BMSCE, Bangalore-560 019.
- (iii) DAC member of the department.
- (iv) ISTE – Life Member.

## **PH.D. SUPERVISOR :**

Name of the student	USN	Status	University
CHANDU .S	1BM16PGJ04	Completing course work	VTU
ARAVIND. H. R	ISP12PGNN01	Completed Comprehensive Pre-Ph.D. Viva –Voce	VTU