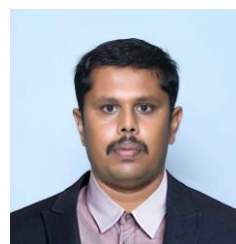


Resume of Dr. Nagabhushana P

Dr. Nagabhushana P

Assistant Professor
Department of Applied Science and Humanities,
RV Institute of Technology and Management (RVITM),
Bengaluru - 560 076.
e-mail: nagabhushanamk.rvitm@rvei.edu.in
Mobile: +91 9341842248



EDUCATION

Doctor of Philosophy 2013 - 2019

VTU, Belagavi, Karnataka, India

- *Completion: February 2019* – Status of the Comments: **Recommended**
- *Thesis: Investigations on Flow and Heat Transfer in Porous Media*
- *CGPA: NA*

Master of Science in Mathematics 2008 - 2010

Bengaluru University, Karnataka, India

- *Completion: June 2010*
- *CGPA: 8.15/ 10*

Bachelor of Science in PCM 2005 - 2008

Bengaluru University, Karnataka, India

- *Percentage: 75.25 %*

EXPERIENCE DETAILS

- Around 16 **years** of teaching and research experience in reputed Engineering Colleges in Bengaluru, Karnataka State.

Sl.No	Institution Name	Designation	Period of service
1.	RVITM, Bengaluru	Asst. Professor	2020 September to till date
2.	PESU-BSC, Bangalore	Asst. Professor	2017 July to 2020 August
3.	AMC Engineering College, Bannerghatta Road, Bangalore.	Asst. Professor	2013 July to 2017 June
4.	Dayananda Sagar Academy of Technology & Management (TC), Bangalore.	Asst. Professor	2012 July to 2013 July
5.	AMC Engineering College, Bannerghatta Road, Bangalore.	Lecturer	2010 Aug to 2012 July

Resume of Dr. Nagabhushana P

SUPERVISOR DETAILS

I have been acting as recognized supervisor in VTU, Belagavi since 2020

Reference Number : **012021RSMA000153**

List of Research Scholar Details:

- Co-supervisor of a research student Mr. Niranjana L. (USN: 1AM20PMA01), Ph. D scholar of VTU, (Status: Course work completed).

COMPUTER SKILLS:

- MatLab, Python, SciLab, Maxima, Mathematica, MS- Office.

LIST OF JOURNALS:

1. A. Kiran Prakash, M. Mruthunjaya, R. Suresh Kumar, Nagabhushana Pulla, Amit Tiwari, T. A. Sudarshan, Selvakumar Krishnan, Haridas Nayak, Shanthala Kollur, and C. Durga Prasad, **“Process Optimization of Laser Cladding and Thermal Barrier Coatings to Combat High Temperature Corrosion for Inconel Alloy- A Review”**, Surface Review and Letters, 2025. DOI: <https://doi.org/10.1142/S0218625X25501677>.
2. S. Ramprasad, B. Mallikarjuna, Nagabhushana Pulla, **“Boundary Layer Convective Flow in a Divergent Channel with Melting Heat Transfer and Mass Suction/Injection: An Analysis Using ANN and Numerical Methods”**, Heat Transfer, April 2025, doi.org/10.1002/htj.23363.
3. S. Ramprasad, Nagabhushana Pulla, Y. S. Kalyan Chakravarthy, **“Finite element analysis for electro-osmotic Eyring-Powell fluid flow past a stretching sheet with an exponential heat source - an ANN approach”**, International Journal of Thermofluid Science and Technology (2023), Volume 10, Issue 3, Paper No. 100301. DOI: 10.36963/IJTST.2023100301.
4. V Leela, B Shilpa, Pulla Nagabhushana, R Gangadhara Reddy, **“Impact of radiation and induced magnetic field on MHD mixed convective flow in vertical microchannel: A thermal non – Equilibrium approach”**, AIP Conference Proceedings 2649, 030029 (2023). DOI: 10.1063/5.0114206.

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5. Pavithra H M, Deepa K Nair and Nagabhushana Pulla, **“Effect of electrothermal convection in a rotating layer of viscoelastic (walters b) fluid saturated porous medium heat from below”**, journal of Mines, Metals & Fuels vol.71, 2023.
6. Pulla Nagabhushana, S Ramprasad, Durga Prasad C, Hitesh Vasudev, Chander Prakash **“Numerical investigation on heat transfer of a nano-fluid saturated vertical composite porous channel packed between two fluid layers”** International Journal on Interactive Design and Manufacturing (IJIDeM), 2023. DOI: [10.1007/s12008-023-01379-5](https://doi.org/10.1007/s12008-023-01379-5).
7. B Shilpa, V Leela, B C Prasannakumara & Pulla Nagabhushana, **“Soret and Dufour effects on MHD double-diffusive mixed convective heat and mass transfer of couple stress fluid in a channel formed by electrically conducting and non-conducting walls”**, Waves in Random and Complex Media, 2022. DOI: 10.1080/17455030.2022.2119491.
8. HP Rani, V Leela, B Shilpa, Pulla Nagabhushana, **“Numerical Analysis of Hydromagnetic Mixed Convective flow in an Internally Heated Vertical Porous Layer using Thermal Non-Equilibrium Model”**, Heat Transfer, 18 May 2022. DOI: 10.1002/htj.22590.
9. V Leela, Pulla Nagabhushana, B Shilpa, R Gangadhara Reddy, **“Numerical investigation on effects of induced magnetic field and viscous dissipation on MHD mixed convection in a vertical micro porous channel using Brinkmann – Forchheimer extended Darcy model”** to International Journal of Ambient Energy, 2022. DOI:10.1080/01430750.2022.2059006.
10. H P Rani, V Leela, Pulla Nagabhushana, R Gangadhara Reddy, **“Heat Transfer characteristics of Mixed Convective Magnetohydrodynamic Counter-Current Two-Phase Flow in Rotating Inclined Micro-Porous Channel with Slip Velocity and Asymmetric Thermal Boundary Conditions Using LTNE Model”**, Journal of Thermal Science and Engineering Applications, 14(6), 061004(10 pages), 2022. DOI:10.1115/1.4052118.
11. V Leela, K N Seetharamu, Pulla Nagabhushana, R Gangadhara Reddy, **“Effect of asymmetrical wall heat flux and wall temperature ratio on mixed convection in a**

Resume of Dr. Nagabhushana P

vertical micro-porous-channel with internal heat generation”, Propulsion and power Research,9(4), pp. 394-407, 2020.

12. K N Seetharamu, V Leela, Nagabhushana, R Gangadhara Reddy, **“Numerical investigation of heat transfer in a micro-porous-channel under variable wall heat flux and variable wall temperature boundary conditions using local thermal non-equilibrium model with internal heat generation**”, International Journal of Heat and Mass Transfer, 112, pp. 201–215, 2017.
13. Nagabhushana, V Leela, R Gangadhara Reddy, **“The effect of viscous dissipation on Forced convection in a channel occupied by a porous medium with counter flow arrangement”** International Journal of Engineering Research and Technology, ISSN: 2278-0181, Vol. 5, Issue 06, 2016.

LIST OF CONFERENCES:

1. **“Impact of radiation and induced magnetic field on MHD mixed convection flow in vertical microchannel: a thermal non – equilibrium approach”**, presented at Second International Conference on Recent Trends in Applied and Computational Mathematics (ICRTACM-2021) conducted by REVA University, Bengaluru, and also published in AIP Proceedings (2022).
2. **“Effect of Variable wall temperature ratio and viscous dissipation on forced convective heat transfer in a micro-porous channel”**, presented at National Conference on National Seminar for Research Scholar (NSRS2018) conducted by AMCEC CIVIL, Bengaluru.
3. **“The effect of viscous dissipation on forced convection in a channel occupied by a porous medium”**, presented at National Conference on Convergence of Science, Technology & Management-NCCSTM2016 conducted by DSATM, Bengaluru.
4. **“A bioheat transfer model for the effect of viscous dissipation on forced convection in a channel occupied by a porous medium”**, presented at National Conference on Recent Advances in Applied Science (RAAS2016) conducted by AMCEC, Bengaluru.

LIST OF PATENTS & COPYRIGHTS:

S. No	Name of the Country	Filled	Published	Granted	Total
7	Indian Patent	Nil	Nil	01	01
Total Count		Nil	Nil	01	01

Resume of Dr. Nagabhushana P

List of Indian Patents:

1. Indian Patent filed “**Liquid Cooled DC Fast Charging Station for Electric Vehicles**”.
Application number: 435134-001, Cbr Number: 219469, Date: 22/10/2024.

LIST OF BOOKS:

1. Dr. Veerasha G, **Dr. Nagabhushana Pulla**, Dr. Mahantesh S Matur, Dr. Shanthala S Kollur, “INDUSTRIAL ENGINEERING” by REST Publisher, India. ISBN: 978-81-978468-5-4.

LIST OF REPUTED JOURNALS REVIEWER

I have been acting as Reviewer for Peer Review Journals such as

- Science PG.
- Engineering Mathematics
- Numerical Heat Transfer, Part B: Fundamentals
- Waves in Random and Complex Media
- Journal of Thermal Analysis and Calorimetry.

Nearly 5 Peer Reviewer Journal articles have been reviewed by me and the report submitted to the Journal authority.

ORCID	:	0000-0002-9673-4644
SCOPUS Author ID	:	57558645600
Web of Science Researcher ID	:	IZD-6635-2023

Web of Science Metrics overview as on 24.02.2026

Reference Number	:	IZD-6635-2023
Web of Science Publications	:	6
Total Times Cited	:	74
h-Index	:	3
Verified reviews	:	2
Citing Articles	:	61

Resume of Dr. Nagabhushana P

Google Scholar Citation as on 24.02.2026

	All	Since 2021
Citations	186	177
h-index	6	6
i10-index	5	5

ACADEMIC ROLES AND RESPONSIBILITY:

- ❖ Working as an academic monitoring committee member from 2020 to till date.
- ❖ Working as an anti-ragging squad convener for the academic year 2025-2026.
- ❖ Worked as a coordinator for SLCM during the Academic Year 2022-24.
- ❖ Worked as a coordinator for PESU App, IQAC, Time Table Mapping and Attendance Report at PES University-EC campus.
- ❖ Worked as a Coordinator for **Criterion 8 for NBA** during the Academic Year 2017-18.
- ❖ Worked as External DCS at T. John institute of technology during VTU theory examination- January 2017.
- ❖ Worked as exam coordinator of AMCEC during VTU examinations May-July 2015 and November-December 2017.
 - QPDS.
 - Room allotment & seating arrangement.
 - Duty allotment.
 - Worked as Squad Member duty to conduct the practical/ theory UG/PG -VTU examination of December-2012 & Jan-2013.
 - Worked as Test Coordinator at AMCEC (2013 TO 2015).

SESSION CHAIR/ INVITED TALKS:

1. Session Chaired in the international conference on “**Advances in Applied Mathematics**” (**ICAAM-2024**), held during 10-11 January 2024, organized by the department of Mathematics, University college of Science, Tumkur University, Tumakuru.
2. Delivered technical talk on “**Finite Element Analysis**” at Department of Mathematics, **AMC Engineering College, Bengaluru** on 24/02/2017.

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MEMBERSHIP

1. Editorial Board member for the journal **Engineering Mathematics**, Science PG.
2. Editorial Board Member of Engineering Mathematics (ENGMATH).

AWARDS

1. *Received best achiever award from RSST for the years 2022-2023,2023-2024.*
2. *Awarded the Best Teacher of the Academic Year 2016-17, Dept. of Mathematics at AMC Engineering College.*

CERTIFICATION COURSE: NPTEL Online Course

1. “Numerical Methods: Finite Difference Approach” during Feb-Mar 2018.
2. “Mathematical Modelling: Analysis and Applications” during Jan 2023.
3. “Introduction to Machine Learning” during April 2023.
4. “Programming, Data Structures and Algorithms Using Python” during March 2024.

CONFERENCE/WORKSHOPS ORGANIZED:

- Organized “**National Mathematics Day**” on 22 December 2025 through Mathematical Computing Club (MCC) for RVITM Students.
- Organized one Technical talk on “**Integral Transforms and its Applications**” for the third semester ECE students on 29th November 2024.
- Organized one “**Technical quiz**” for the first and third semester students on 25th October 2024.
- Member of publicity committee in the **IEEE conference 2023** held at RVITM on 2023.
- **Ms. Sushma M Puranik, Dr. Nagabhushana Pulla**, organized Technical Talk On “**Applications of Mathematics in Data Science**”, for the students of 4th semester, CSE & ISE on 6th Feb 2023 at RVITM, Bengaluru. By **Mr. Raghavendra Harnoorkar**, Senior Software Engineer, CISCO Systems, Canada.
- **Dr. Sivasankar S, Dr. Nagabhushana Pulla** organized workshop on “**Artificial Intelligence and Machine Learning**”, for the students of 4th semester, CSE & ISE on 22nd June 2022 at RVITM, Bengaluru. By **Mr. Rahul Kumar**, Data Scientist, Oracle, Bengaluru.

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- Organized a Technical Talk on **“Hands-on Session on Linear Algebra with MATLAB”** by Dr. Sarada Jayan, Associate Professor, Amrita School of Engineering, Bengaluru, on 16th September 2021, RVITM, Bengaluru.
- Organized a Technical Talk on **“Mathematics for Artificial Intelligence & Machine Learning”** by Dr. N S Sreekanth, Associate Professor, Dept. of IT, Kannur University, Kerala, on 15th July 2021, RVITM, Bengaluru.
- Organized a Technical Talk on **“Discrete Event System Simulation”** by Dr. K Sangeeta, Data Science Trainer/Educator, Bengaluru, on 12th June 2021, RVITM, Bengaluru.
- Organized a Technical Talk on **“Predictive Data Analytics -a Mathematical Perspective”** by Dr. K Sangeeta, Data Science Trainer/Educator, Bengaluru, on 13th March 2021, RVITM, Bengaluru.
- Organized a workshop on **“MATLAB”** by Dr. Sandeep N, Central University of Karnataka, on 27th Feb 2021, RVITM, Bengaluru.
- Organized a technical Talk on **“Math behind pricing”** by Mrs. Pratiksha Sawant, Principal Data Scientist, antuit.ai, USA, on 25th November, 2020, RVITM, Bengaluru.
- Organized a technical Talk on **“Integral Transforms & it’s Applications”** by Dr. Arulalan Rajan, CCA, IISC, Bengaluru, on 19th November, 2020, RVITM, Bengaluru.
- Organized a National conference on **“Recent Advances in Applied Sciences (RAAS-2016)”**, on 25th April 2016 at AMC Engineering college, Bengaluru.

CONFERENCE/WORKSHOPS/FDP/SEMINARS ATTENDED:

- Participated in the SERB sponsored national level two days FDP on **“Emerging Trends in Mechanical Engineering: Bridging the gap with interdisciplinary technologies”** organized by Department of Mechanical Engineering, RVITM, Bengaluru, On 25th September to 26th September 2025.
- Participated in Faculty Development Program on **“Digital Marketing”** organized by the Dayananda Sagar University, Bengalore with ExcelR Edtech pvt. Ltd. On 22nd September to 26th September 2025.
- Participated in Faculty Development Program on **“Augmented Reality/Virtual Reality (AR/VR)”** organized by the Dr.Vithalrao Vikhe Patil College of engineering, Ahilyanagar,

Resume of Dr. Nagabhushana P

Maharashtra. C V Raman Global University, Odisha. C V Raman Polytechnic Bhubaneswar. In collaboration with ExcelR Edtech pvt. Ltd. On 25th August 2025 to 31st August 2025.

- Participated and successfully completed the 5 days FDP on “**SPARC-AI: Signal Processing, Automation, and Real-Time Communication using AI in Electronics Design**” held as part of AICTE’s AI-Week, organized by RV Institute of Technology and Management, from 10th to 14th February 2025.
- Participated and successfully completed the 5 days FDP on “**Emerging Topics in Applied Science**” from 4th to 8th February 2025 organized by Departments of Basic Science, Srinivas Institute of Technology, Valachil, Mangaluru.
- Attended Faculty development programme on “**Statistical applications and data analytics for modern research,**” organized by the department of mathematics, SRM Institute of Science and Technology, Vadapalani campus, Chennai from 17th to 22nd December 2024.
- Attended MathWorks seminar on “**MATLAB Master Class-Teaching Mathematics with MATLAB and Curriculum Support**” on 28th September 2024 Organized by MathWorks.
- Attended MathWorks seminar on “**MATLAB Master Class-Teaching DSP with MATLAB and Curriculum Support**” on 26th October 2024 Organized by MathWorks.
- Attended 5 day Faculty Development Programme on “**Outcome Based Education**” on 25 sept to 4th oct 2023 at RVITM.
- Attended 5 day Faculty Development Programme on “**Recent advances in Applied Mathematics**” organized by department of mathematics, Sri Manakula Vinayagar Engineering College, Madagadipet, Puducherry form 4th sept to 8th sept 2023.
- Attended one-week FDP on “**Recent Trends in Materials Science and Engineering (RTMSE-2022)**” organized by Dept. of Chemistry, DSATM, Bengaluru, held during 12th Sep to 16th Sep 2022.
- Attended Five-days Lecture Series on “**Applications of Transforms in Engineering**” organized by Dept. of Centre for Computational Mathematics, RVCE, Bengaluru, held during 10th Oct to 14th Oct 2022.

Resume of Dr. Nagabhushana P

- Attended one-Week FDP on **“Fourier analysis and its limitations, wavelet transform”** organized by Dept. of Centre for Computational Mathematics, RIT, Bengaluru, held during 26th Sep to 01st Oct 2022.
- Attended one day orientation program on **“Revised Mathematics Syllabus-2022”** organized by Dept. of Mathematics, BMSCE, Bengaluru, held on 24th November 2022.
- Attended AICTE – VTU Joint Teachers Training Programme On **“An Overview of Teaching Techniques in Mathematics Laboratory Using Python Programming”**, organized by VTU Human Resource Development Cell (VTU - HRDC), 21st – 25th February 2022.
- Attended a Webinar on **“A guided tour of Taylor & Francis e Books and Journals”** on 25th November 2021.
- Attended National Level Webinar on **“Deep Learning for Natural Language Processing”** organized by Centre of Excellence for Intelligent Human Computer Interaction-IHCI and Research Centre, CMR Institute of Technology, Bengaluru, held at 28th Sep 2021.
- Attended one-week FDP on **“Software tools for Mathematical Education”** organized by Dept. of Mathematics, Bannari Amman Institute of Technology and Providence College for Women, Tamil Nadu, held during 30th Aug to 05th Sep 2021.
- Attended one-week FDP on **“Mathematical Developments in Cryptography and Data Science”** organized by Dept. of Mathematics, Ramaiah Institute of Technology, Bengaluru, held during 9th to 13th Aug 2021.
- Attended NAAC Sponsored two days National Level Seminar on **“Revised Accreditation Framework for Quality Enhancement in Higher Educational Institutes”**, Organized by IQAC of Sri Sairam Engineering College, Chennai, held during 14th to 15th July 2021.
- Attended a Webinar on **“Intellectual Property Rights (IPRs) and IP management for start-up”** organized by Institution Innovation Council (MHRD Initiative) in association with VKIT-ISTE Chapter, Vivekananda Institute of Technology, Bengaluru, held on 14th July 2021.
- Attended **“Five Days e-Workshop on LaTeX”**, Organized by the department of mathematics, School of Science, GITAM, Bengaluru, held from 5th to 9th July 2021.

Resume of Dr. Nagabhushana P

- Attended two days National Webinar Series on **“Recent Developments in Mathematics-2021(NWSRDM-2021)”** organized by Dept. of Mathematics Davangere University, Davangere, held at 10th to 11th June 2021.
- Attended one-week workshop on **“Teaching and Learning Strategies of differential equations & applications in Science and Engineering”**, conducted by National institute of Technology Warangal, during 28th December, 2020- 01st of January, 2021.
- Attended one-day workshop on **“New Model Curriculum for First Year BE/B.Tech-CBCS Detailed Syllabus (2018-19) as per Outcome-Based Education (OBE) format including Course Outcomes (CO) and Bloom’s Taxonomy”** under TEQIP-1.3 for the course MATHEMATICS under BASIC SCIENCE Board held on 07/05/2018 at BIT, Bangalore organized by Visvesvaraya Technological University, Belagavi.
- Attended three days Faculty Development Program on **“Recent Advances in Basic Sciences for Engineering Applications” [FDP-Nano 2018]**, conducted by Dayananda Sagar Academy of Technology & Management, Bangalore.
- Attended two days National Conference on **“Recent Trends in Applied Science & Technology” (RTAST-2017)** conducted by Alliance College of Engineering & Design, Bengaluru
- Attended one week FDP on **“Discrete Mathematics, Modeling & Computational Techniques in Science & Engineering”** at Ramaiah institute of technology January 2017, Bangalore-54.
- Attended FDP on **“Creative Thinking on Intellectual Property Generation”** at AMCEC March 2014, Bangalore.
- Attended Three-Day Workshop on **“Research Methodologies & Latex”** organized by VTU e-Learning Centre, Mysore at VVIET Dec-2014, Mysore.
- Attended FDP [Empowered Leadership Program] Conducted by CIL (Centre for Innovation and Leadership) on 2013 at DSATM, Bangalore.
- Attended **“Induction Program for the Newly Recruited Engineering College Teachers”** Conducted by Karnataka State Higher Education Council and AMC Engineering college, Bangalore at may 2012.

Resume of Dr. Nagabhushana P

- Attended National Level Workshop on the topic “**Role of Mathematics in Engineering & Applications**” organized by department of mathematics on 18th September 2010 at SaIT, Bangalore.
- Attended One-Day Workshop on “**Emerging Fields of Applied Mathematics**” at M.E.S. college of Arts, Commerce & Science 2009, Bangalore.

PERSONAL DETAILS

Gender	:	Male
Native Place	:	Boorlapalli
Marital Status	:	Married
Spouse's Status	:	Qualified and Home Maker
Blood group	:	B Positive
Language Known	:	English, Kannada, Telugu and Hindi (up to Rastrabasha)
Nationality	:	Indian
Religion	:	Hindu

(Dr. Nagabhushana P)