

Faculty Profile

Brief Profile (Few Paragraphs)



Prof. B. Nandini is an Assistant Professor in the Department of Industrial Engineering and Management (IEM) at R.V. College of Engineering (RVCE), Bengaluru. With over 15 years of teaching experience, she has been actively involved in both academic instruction and student project guidance. She holds an M.Tech in Management and Engineering from VTU and has been pursuing her Ph.D. since 2017.

Prof. Nandini has published around 10 journal papers and 6 conference papers, with her research interests spanning adaptive tool path generation, ergonomics, sensor technology in energy management, and educational innovations like critical thinking among Gen Z learners. Her scholarly contributions have earned her multiple Best Paper Awards, reflecting her commitment to impactful research. In addition to teaching, she actively participates in institutional responsibilities and committee work under the RVCE umbrella. Her presence on academic platforms such as Google Scholar and ResearchGate highlights her ongoing engagement with research and knowledge dissemination.

Personal Information

- **Name:** Prof. B Nandini
- **Designation:** Assistant Professor
- **Department:** Department of Industrial Engineering & Management
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- **Phone:** 080:68188151

Google Scholar / ResearchGate / LinkedIn:

Google Scholar: https://scholar.google.co.in/citations?user=E_iHdH8AAAAJ&hl=en

LinkedIn: [linkedin.com/in/nandini-b-1581b15a](https://www.linkedin.com/in/nandini-b-1581b15a)

ORCID: <https://orcid.org/0000-0001-5170-2967>

Domain of Expertise

Research Focus

- **Primary Area:** Engineering Management, Digital Metrology, Ergonomics
- **Allied Areas:**
 - HR Analytics
 - Organizational Behavior and Change Management
 - User-Centered Product Design

Academic Qualifications

- **Ph.D.:** Visvesvaraya Technological University, Belgaum, (PhD) Registered in 2017
- **M.Sc./M.Tech:** M. Tech, Visvesvaraya Technological University (VTU), Belgaum in Master of Engg Management
- **B.E./B.Tech:** Visvesvaraya Technological University (VTU), Belgaum in Industrial & Production Engineering.
- **Postdoctoral Research:** NA

Professional Experience

Experience			
S.No	Institute/College/Industry	Job Title	Duration (From- To)
1.	The National Institute of Engineering, Mysore – 570008	Lecturer	26.02.2009 – 03.09.2011
2.	RV College of Engineering Bengaluru - 560059	Assistant Professor	05.09.2011 – Till date

Publications & Patents

Journal Publications

1. Rajeswara Rao KVS, Nandini B published a paper on “Influential Factors on performance of Supply Chains – A review in the context of prevailing COVID19 pandemic” at Journal of Seybold Report, Volume 15, Issue 8, pp. 1870 – 1876, 2020, ISSN NO: 1533-9211, Scopus Indexed
2. Dr, Ramaa A, Dr. Vikram N Bahadurdesai, Nandini B published a paper on “Facility Redesign using Systematic Layout Planning” at RV Journal of Science Technology Engineering Arts and Management, Vol. 1, Issue 2, pp 126-139 - (id: RVJ78)
3. Siddharth, Nandini B A Brief Overview Of Vehicle Routing Problem And Two-Phase Heuristics, [International Journal of Advanced Research \(IJAR\)](#), ISSN: 2320-5407 (online),2020
4. Satwik, NandiniB Business Operations Optimisation at healthcaresector International Journal of Research in Engineering, Science and Management Volume-3, Issue-5, May-2020 www.ijresm.com | ISSN (Online): 2581-5792
5. Oorja M P, Sucheta Harish, Vani Soudagar ,Nandini B Overview of the essence of kaizen in implementation and improving process, International Journal of Research in Engineering, Science and Management Volume-3, Issue-5, May-2020 www.ijresm.com | ISSN (Online): (2349-5162)
6. Nandini B published a paper on “An investigation into the effectiveness of worker protection programmes and policies” at International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 06 Issue: 05, May 2022, ISSN: 2582-3930, Impact factor: 7.185
7. Kavya C, Prathiksha,, Nandini B published a paper on “Review on Design and Development of Multistage Evaporative Cooling System and Local Exhaust Ventilation” at Gradiva Review Journal, Vol. 7, Issue 6, July 2021,ISSN NO : 0363 8057, pp. 477-481
8. Navya VS, Nandini B published a paper on “Quality Engineering and Assurance with Selenium and Java” at International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Vol. 10, Issue 7, July 2021, e-ISSN: 2319-8753, pp. 8851-8858

9. Pruthviraj T N, Nandini B published a paper on “UI creation using HTML5, CSS3 and Web Ergonomics” at International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Vol. 10, Issue 7, July 2021, e-ISSN: 2319-8753, pp. 8851-8858
10. Mithul k Akhilesh, Priya raj, Muni Tanoosh, Nandini B “A review on Adaptive tool path generation” Indian Institute of Industrial Engineering, vol-53 issue-6 2024.

Conference Papers

1. Krithika D, Vani Soudagar, Nandini B, Ergonomic Interventions in Passenger Bus System for Physically Challenged Commuters, International Conference on “Recent Trends in Industrial Innovation , Value Engineering and Management Science at Dayananda Sagar College of Engineering, dept. of IEM in association with INVEST, 28th – 30th March 2019. **(Best Paper Award)**
2. Rachitha L, Likith Kumar B, Nandini B, A Study on Design of Robotics Swarm Coordination System for a Work Floor, International Conference on “Recent Trends in Industrial Innovation , Value Engineering and Management Science at Dayananda Sagar College of Engineering, dept. of IEM in association with INVEST, 28th – 30th March 2019.
3. Krithika D, Vani Soudaga, Nandini B , Ergonomic Interventions in Bus for Physically Challenges Commuters, National Level Technical Paper Presentation Contest – cog NIEscience 2019 organised by dept. of Mechanical Engg, The National Institute of Engineering, 11th April 2019 **(Won First Prize)**
4. Rachitha L, Likith Kumar B, Nandini B, A Study on Design of Robotics Swarm Coordination System for a Work Floor, National Level Technical Paper Presentation Contest – cogNIEscience 2019 organised by dept. of Mechanical Engg, The National Institute of Engineering, 11th April 2019.
5. Nandini B, Prashanth published a paper on “Role of Sensors in Energy Management – key challenges and future perspective” at International Conference on Recent Innovations in Energy Management and Renewable Energy (IEMRE 2022) organized by Institute of Engineering & Management, Kolkata, India on 25th – 27th February, 2022
6. Rajeswara Rao K V S, Nandini B, Dharani A published a paper on “Catalytic role of Critical thinking in aligning Gen Z with Atmanirbhar Bharath Abhiyan” at AICTE sponsored two days national conference on “Critical thinking for Gen Z - Multidisciplinary Approach (CTGZMA -2021)” in association with Indian Society of Technical Education (ISTE), New Delhi during 28th - 29th October 2021. **Awarded Best Paper.**

Seminars/Conferences/ Workshops

- Attended FDP on Design for Sustainability organised by BMS College of Engineering during 16th – 20th July 2018
- Two days workshop on "Hazardous Material Management" organised by departments of CV, IEM, ME, CH & BT at R V College of Engineering during 23rd – 24th November 2018.
- Attended pedagogy talk on “How the teacher in you can make our country proud” at R V College of Engineering on 25th January 2019.
- Attended “Mathematica for Education & Research” by Dr. Aravind Honasoge Wolfram Research INC USA organized by R V College of Engineering, on 12th January 2019
- Attended Women’s day celebration at BOSCH on 5th March 2019
- Attended Design Thinking workshop organized by CII in Volvo Construction Equipment on 30th July 2019
- Attended AICTE sponsored six days short term training programe on ‘Creating and Sustaining an Ethical Workplace Culture’ organized by Chemistry, RVCE during 19th – 24th August 2019.
- Attended One day workshop on “Experiential Learning through Virtual Labs” conducted by dept. of CSE in association with NITK, Suratkal on 31.09.2019

- Completed online training on MATERIAL TESTING from MSME-TECHNOLOGY DEVELOPMENT CENTRE (PPDC) on 01st June to 7th June 2020
- Attended training program on “Student Life Cycle Management” at RVIC, Bangalore on 18th February 2020
- Two Days Online Workshop on Patent Drafting and Processing with Importance of Trademark and Copyright , Journal of Advanced Engineering Research & powered by hexacube India on 6th & 7th May 2020
- Attended 5 days FDP on “Developing Effective Research Skills”, Organized by PES College of Engineering ATAL, Mandya during August 9-13, 2021 - ATAL
- Successfully completed the Part 1 of the online “UHV Refresher 1” FDP organized by All India Council for Technical Education (AICTE) from 30 August, 2021 to 3 September, 2021
- Attended Two days FDP on “Establishing IoT Lab in Higher education institutions” organized by CISCO-RVCE Centre of Excellence in Internet of Things on 17th September 2021
- Attended Five days online FDP on "Relationship of EI with Occupational stress, Job Satisfaction & Organizational Commitment" organized by Sagar Institute of Research and Technology Pharmacy, Bhopal on 20th to 24th September 2021 - ATAL.
- Attended Faculty Development Program on Recent Trends in Optimization Techniques for Engineering Problems 2022, organized by Kongunadu College of Engineering and Technology Tiruchirappalli, Tamil Nadu from 7th - 9th March 2022.
- Attended 5 Days Faculty Development Program on “ICT Tools for Innovative Teaching & Learning Process” conducted by the Department of Information Science & Engineering during 28th March - 1st April, 2022 at RV Institute of Technology and Management, Bengaluru
- Attended Faculty Development Program on “Microsoft Azure Machine Learning & Artificial Intelligence” Organized by InfiSpark 15th – 17th March 2022.
- Attended a webinar on "Effect of NEP on Youth Empowerment and Sports Development" Organized by Department of Physical Education and Sports, RV College of Engineering on 4th August 2021.
- Attended a talk on “Challenge yourself for Developing Self Confidence” by Dr. M.L. Munjal, AICTE-Distinguished Chair Professor, on Tuesday, 10th August 2021.
- Attended emPower - Panel discussion aimed to promote women empowerment at ISE Seminar Hall, RVCE on 29th November 2022
- Attended 15th Edition of CII Karnataka Manufacturing Conference 2022 at Hotel Taj West End, Bengaluru on 15 December 2022
- Attended IGNITE – Orientation Programme on Entrepreneurship at IEM Seminar hall during 4th - 6th December 2023
- Attended One day seminar on “Safe practices & Secure Future” at KS School of Engineering & Management on 23rd January 2024
- Attended “Nurturing Young Minds- A counselor's role “ by Sri Sampati Prabhu at ISKCON , Bengaluru on 8th March 2025
- Attended “AI tools for Research”, by Dr. Ramakanth conducted under IQAC and RVCE at Chemical Seminar Hall on 13th March 2025

Books/Book Chapters: NA

Patents [Filed / Published / Granted]: NA

R & Grants & Consultancy Projects

Ongoing & Completed Research Projects

Sl. No.	Title	Agency	Status	Amount (Rs. in Lakhs)
1	A study of effectiveness of women welfare schemes implemented at IT/ITes sector – Karnataka	National Commission for Women Research & Studies Cell, Delhi	Completed in Aug 2014	Rs. 2,55,150/-

Ongoing & Completed Consultancy Projects

- NA

Professional Memberships

Sl. No.	Designation	Body	Organization / Institution
1	Member	ISTE	Institution
2	Member	IIE	Institution

Awards & Recognitions

Nil

Student Supervision

- Ph.D. Candidates: NA
- M.Tech/M.Sc. Students: NA
- Undergraduate Research Mentees: NA

Professional Roles

- Editorial Board: Nil

Teaching

Core Courses: **[Even 2024-2025]**

- IM364TA – Human Resource Management and Analytics
- HS261TA- Principles of Management and Economics

Advanced/Lab Courses:

- Ergonomics Lab

Professional Roles

Responsibilities

- **Academic:** Departmental Time-Table Officer, Major Project Coordinator
- **Administrative:** Lab-In-Charge, Institute Innovation Cell

External Connect

- Member of BoS