

Faculty Profile

Personal Information

- **Name:** Mrs.Namrata Brahamapraksh
- **Designation:** Assistant Professor
- **Department:** Information Science and Engineering
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Google Scholar: https://scholar.google.com/citations?hl=en&authuser=1&user=dxdJ_DIAAAJ

Domain of Expertise

- **Computer Vision**
- **AI and ML**
- **Web Technologies**

Research Focus

- **Primary Area:** Machine Learning, Big Data Analytics, Deep Learning, Artificial Intelligence, Cloud Computing, Internet of Things(IoT)

Academic Qualifications

- **Ph.D. Pursuing:** Computer Science & Engineering, VTU, Belgaum
- **M.Tech:** Computer Science & Engineering, VTU, Belgaum, 2017
- **B.E. :** Information Science and Engineering, VTU, Belgaum, 2006

Professional Experience

Experience			
S.No	Institute/College/Industry	Job Title	Duration (From- To)
1	RV Institute of Technology and Management, Bengaluru	Assistant Professor (ISE)	Mar 2025 – Present
2	T John Institute of Technology, Bengaluru	Assistant Professor (CSE)	Oct 2023 – Dec 2024
3	AMC Engineering College, Bengaluru	Assistant Professor (CSE)	Aug 2017 – Jan 2021
4	Noble School of Business, Bengaluru	Lecturer (BCA)	Jul 2011 – Aug 2013
5	Sri Venkataraju Institute of Management, Bengaluru	Lecturer (BCA)	Aug 2010 – May 2011
6	Noble School of Business, Bengaluru	Lecturer (BCA)	Sep 2008 – Jul 2010

Publications & Patents

Journal Publications

- 1) Presented a paper on “Survey on Authentication Methods and Weight Based Optimized Routing In MobileCloud Computing” in International Journal on Engineering Technology and Sciences(IJETS), Volume 3, Issue 04.

Conference Papers

- 1) Published a paper on “Geofencing-Based Mobile System for Workforce Monitoring and Field Operations: A Comprehensive Survey”, in an International Conference on Recent Advancements in Technology and Engineering(RATE 2025),at TJIT, ISBN-978-81-994623-6-6, DOI: <https://doi.org/10.59646/569>, Edition1: November 21, 2025.
- 2) Published a paper on “ A Novel Approach on Weight Based Optimized Routing in Mobile Cloud Computing and Survey on Authentication Methods” in the 4th International Conference on Advanced Computing Techniques(ICACT-2017) conducted by Department of CSE, AMC Engineering College.
- 3) Published a paper on “A Survey on Efficient Algorithms for Mining Top-K High Utility Itemsets” in the 5th International Conference on “Pervasive Computing and Networking (ICPCN-2017) conducted by Department of CSE, AMC Engineering College.

Books/Book Chapters

- 1) Published a book titled “Advanced Machine Learning Techniques, ISBN:978-81-981931-1-7, San International Scientific Publications.
- 2) Published a book titled "Artificial Intelligence for Smarter Computing", ISBN No: 978-81-992756- 0-7, Technical Press.
- 3) Published a book titled "From Data to Discovery: The Impact of Gen AI and ML", ISBN: 978-81-994623-3-5, SAN International Scientific Publications.
- 4) Published a book titled “ "AI Integration in Cloud and Edge Computing", ISBN No: 978-81-69069-99-1, Technical Press, Year of Publication: March 2026.

Patents [Filed / Published / Granted]

- 1) Patent grant titled on “AI Based Device for Road Condition Monitoring in Autonomous Vehicles”, Design No: 487533-001, at Intellectual Property Office, India on 16.01.2026.
- 2) Filed a patent titled on “AI Based Device for Decision Making in Autonomous Vehicle” , Application Number: 488868-001, at Intellectual Property Office, India on 29.01.2026.
- 3) Patent grant titled on "AI Based Device for Skin Cancer Detection", Design No: 454161-001, at Intellectual Property Office, India on 04.08.2025
- 4) Patent grant titled on “AI based Smart Pharmacological Testing Device for Evaluation of Drug Efficacy and Safety” Design No: 6437967 at Intellectual Property Office, UK on 23.04.2025.
- 5) Published a patent titled “AI Powered precision driven assessment tool for automated Clinical Image Diagnosis”, at Design No: 202541069878, at Intellectual Property Office, India on 01.08.2025.
- 6) Published a patent titled “Automated Fraud Detection in Financial Transactions Using Machine Learning Techniques ”, at Design No: 202541031295, at Intellectual Property Office, India on 25.04.2025.

Professional Memberships

- IEEE
- ISTE
- IAENG

Awards & Recognitions

- Faculty Achiever's Award on Achiever's Day at RV Institute of Technology and Management, [2026]

Teaching

Courses Handled:

- C Programming
- Data Structures and Applications
- Design & Analysis of Algorithms
- Java Programming
- Unix Programming
- Software Engineering
- Data Communication & Networks
- Artificial Intelligence
- Digital Electronics
- Cloud Computing

Labs Handled:

- C Programming Lab
- Data Structures Lab
- Design & Analysis of Algorithms Lab
- Java Programming Lab
- Devops Lab
- Unix Programming Lab

Responsibilities

Academic & Administrative Responsibilities

- College Level Co-Convener
 - Institution's Innovation Council (IIC), RVITM, Bengaluru
- Department Coordinator
 - Internal Complaints Committee (ICC), RVITM, Bengaluru
 - Continuous Internal Evaluation (CIE) Coordinator, RVITM, Bengaluru
 - Event Coordinator, RVITM, Bengaluru
 - AICTE Activity Points Program, NSS Activities & Department Magazine (for 2 semesters), RVITM, Bengaluru
- Coordinator-Industrial Visits & Co-curricular Activities, TJIT, Bengaluru
- NBA Criteria 7 In-charge, TJIT, Bengaluru
- NAAC Criteria 2 In-charge, AMC Engineering College, Bengaluru
- Committee Coordinator (Department & Institute Level),Grievance Redressal, Anti-Ragging, Sexual Harassment Committees, AMCEC, Bengaluru
- Time Table Coordinator, AMCEC, Bengaluru