

## Faculty Profile

### Personal Information

- Name: Mrs. Manjusha Kulkarni
- Designation: Assistant Professor
- Department: [Computer Science and Engineering]
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Google Scholar: <https://scholar.google.com/citations?user=36vpTyEAAAAJ&hl=en>

ResearchGate: [https://www.researchgate.net/profile/Manjusha-Kulkarni-4?ev=hdr\\_xprf](https://www.researchgate.net/profile/Manjusha-Kulkarni-4?ev=hdr_xprf)

LinkedIn: <https://www.linkedin.com/in/manjushamkulkarni>

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### Domain of Expertise

- Machine Learning
- Deep Learning
- Data Mining
- Graph Neural Networks

### Research Focus

- Primary Area: Deep Learning, Graph Neural Networks
- Allied Areas:
  - AI and ML

### Academic Qualifications

- Ph.D.: [Computer Science], [Dayananda Sagar University], [Pursuing from 2023]
- MTech.: [Computer Engineering], [VTU University], [2015]
- B.E.: [Computer Science and Engineering], [Dr. BAMU University, Maharashtra], [2006]

### Professional Experience

Experience			
SR No	Institute/College/Industr y	Job Title	Duration

1	R V Institute of Technology and management, Bengaluru	Assistant professor	9 <sup>th</sup> June 2025- Till Date
2	Dayananda Sagar University, Bengaluru	Full time Research Scholar	15 <sup>th</sup> June 2023- 30 <sup>th</sup> July 2024
3	WhiteHat Junior Pvt Ltd.	Teacher	1 <sup>st</sup> July 2020-30 <sup>th</sup> April 2023
4	T John Institute of Technology, Bengaluru	Assistant professor	1 <sup>st</sup> Feb 2026-28 <sup>th</sup> Feb 2021

## Publications & Patents

### Journal Publications

1. A Comprehensive Survey on Deep Learning-based Recommender Systems for Market Analysis, K Manjusha Manikrao, S Hiremath - International Journal of Computing and Digital Systems, Q3, Scopus Indexed,2024.

### Conference Papers

1. Graph Representation Learning for Recommender Systems, KM Manikrao, S Hiremath, SH Manjula - 2025 IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS).
2. "Comprehensive Overview on Security Solutions for Mobile Devices", International Journal of Research in Engineering and Technology, Vol. 5, May 2016.
3. "Assessment of Approaches Used for Securing Mobile Devices", International Journal of Engineering Research and Technology, Vol. 4, Issue 22, April 2018.
4. ATM Deployment using Rank Based Genetic Algorithm Kulkarni Manjusha M. and Dr. Pavitra G S,2015, Journal International Journal of Engineering Research & Technology (IJERT) Volume 3 Issue 17 Pages 5.

### Books/Book Chapters

1. Book chapter titled "Message Passing Techniques" in book "Graph Neural networks: Concepts and Applications, 1<sup>st</sup> Edition ISBN-13:978-1394422739, ISBN-10: 1394422733.

### Patents **[Filed / Published]**

1. Patent titled" System for providing product recommendation using graph convolution network and method Thereof" published on 9/8/2024

### Professional Memberships

- **GSTE**

### Awards & Recognitions

Second Rank in M.Tech (Computer Engineering) in Visvesvaraya Technological University (VTU)

### Professional Roles

- Editorial Board: JEET Reviewer
- Placement Coordinator

### Teaching

Core Courses:

- Machine Learning
- Python Programming
- DBMS
- Data Structures and Applications
- Introduction to AI and Its Applications
- Information and Network Security
- Computer Network Security
- Computer Networks
- Microprocessors and Microcontrollers
- Analog and Digital Design