

DR. CHANDRIKA J**Professor, Department of Computer Science & Engineering**

B.E., M.Tech., Ph.D.

Hassan, Karnataka, India

Email: [chandrikaramesh@gmail.com]

IRINS: [<https://vidwan.inflibnet.ac.in/profile/613681>]

AICTE Faculty ID : [1-482761703]

PROFESSIONAL PROFILE

Accomplished academician, researcher and administrator with more than 30 years of teaching experience in Computer Science & Engineering. Proven leadership as Head of the Departments of Computer Science & Engineering and Information Science & Engineering, and as Dean (Academics). Successfully led multiple NBA accreditation cycles, established research and laboratory infrastructure through funded projects, guided doctoral scholars and contributed extensively to curriculum development, research and academic governance.

Areas of Expertise

- Outcome Based Education (OBE)
 - NBA & NAAC Accreditation
 - Academic Administration
 - Big Data Analytics
 - Machine Learning & Data Mining
 - Software Engineering
 - Research Supervision
 - Curriculum Design & Development
 - Faculty Development & Mentoring
-

EDUCATION**Degree Specialization****Institution**

Ph.D. Computer Science & Engineering VTU, Belagavi (2014)

M.Tech. Computer Science & Engineering VTU (1996)

B.E. Computer Science & Engineering University of Mysore (1991)

PROFESSIONAL EXPERIENCE

Malnad College of Engineering, Hassan

Professor, Department of Computer Science & Engineering

February 2015 – Present

Professor & Head, Department of Computer Science & Engineering

May 2024 – June 2026

Dean (Academics)

May 2023 – October 2024

Professor & Head, Department of Information Science & Engineering

October 2021 – May 2024

Professor & Head, Department of Computer Science & Engineering

September 2016 – March 2020

Associate Professor

April 2006 – February 2015

Assistant Professor

April 2000 – March 2006

Lecturer

1991 – 1995, 1997 – 2000

Major Administrative Contributions

- Successfully completed three cycles of NBA Accreditation.
- Led academic reforms and curriculum revisions.
- Served as Dean (Academics) overseeing institutional academic processes.
- BOS/BOE Member and Industrial Advisory Board Member.
- Member Secretary for Proctor System.
- Organized national and international conferences, workshops, and FDPs.

RESEARCH & SCHOLARLY CONTRIBUTIONS

Research Interests

- Big Data Analytics
- Machine Learning
- Data Mining
- Software Engineering

- Wireless Sensor Networks
- Healthcare Analytics

Ph.D. Research Supervision

Ph.D. Awarded

1. Neelambike S (2020)
2. Sunitha R (2022)
3. Vinutha M R (2023)
4. Thirthe Gowda (2023)

Ongoing Research Scholar

- Shruthi A.S. – Early Detection of Asthma Disease Using Machine Learning Techniques

FUNDED PROJECTS & GRANTS

Project	Funding Agency	Amount
Generative AI for Technical Education & Research (ATAL FDP)	AICTE ATAL	₹3.5 Lakhs
Data Analytics Laboratory (MODROBS)	AICTE	₹5 Lakhs
FDP on Data Science & Data Analytics	AICTE	₹3.72 Lakhs
IoT-Based Emission Test Monitoring System	KSCST	Funded
Solid Waste Management Project	KSCST	Funded
AI Enabled Potato Disease Detection	KSCST	Funded
Total External Funding Mobilized: More than ₹12 Lakhs		

INTELLECTUAL PROPERTY

Patent

Recommendation Models for Big Data Analysis using Multi-Criteria and Hybrid Collaborative Filtering

- Application No: 202041048855
- Filed: 09 November 2020
- Published: 13 November 2020

PUBLICATIONS

Research Output Summary

- 35+ International Journal Publications
- 30+ International Conference Publications
- 5+ National Conference Publications
- 2 Book Chapters (Springer)
- 1 Edited International Book
- Multiple Scopus Indexed Publications
- Research publications in Springer, SN Computer Science, IJACSA, BEEI, IIETA, IJDCF and other reputed journals.

Selected High Impact Publications

1. EPCA—Enhanced Principal Component Analysis for Medical Data Dimensionality Reduction, SN Computer Science, 2023.
2. Fuzzy and Neural Network Based Pattern Mining and Classification Model for Medical Data Analysis, IJACSA, 2023.
3. Cluster Based Segmentation for Tobacco Plant Detection & Classification, BEEI, 2023.
4. Malevolent Node Detection Based on Network Parameter Mining in Wireless Sensor Networks, IJDCF, 2021.
5. Prediction of Liver Disease Using Regression Tree, iJOE, 2021.
6. State of the Art Algorithms for Frequent Item Mining in Data Streams, IJCSC.

BOOKS & BOOK CHAPTERS

Edited Book

Cyber Security in Business Analytics

CRC Press / Taylor & Francis, 2025

Book Chapters

1. Applying Ensemble Techniques for Prediction of Alcoholic Liver Cirrhosis – Springer LNNS.
2. EAP Based Certificateless Authentication Technique to Access Cloud Services in OpenStack – Springer CCIS.

PROFESSIONAL LEADERSHIP & ACADEMIC SERVICE

Conference Leadership

- Program Convenor – IEEE ICDSIS 2025
- Organizing Chair – IEEE ICDSIS 2024
- Session Chair – Multiple International Conferences

Reviewer / Technical Program Committee

- Indonesian Journal of Electrical Engineering and Computer Science
- IEEE International Conferences
- ERCICA
- ICAIT
- ICICC and other international conferences

University Contributions

- BOS/BOE Member
- Doctoral Committee Member
- VTU LIC Inspection Committee Member
- Academic Audit and Accreditation Activities

RESOURCE PERSON & EXPERT TALKS

Delivered expert lectures on:

- Data Science and Computational Techniques
- Outcome Based Education
- Data Streams and Big Data
- Data Mining Applications in Healthcare
- Algorithm Analysis and Design
- IoT and Emerging Technologies
- Machine Learning Applications

PROFESSIONAL DEVELOPMENT

Participated in numerous FDPs, STTPs, Workshops, and Training Programs organized by:

- AICTE
- NIT Warangal
- IIT Bombay
- NITTTR Kolkata
- APSSDC
- TEQIP
- Various National Institutes and Universities

Key domains:

Machine Learning, Blockchain, AI, Data Science, Human Values, Research Methodology, ICT in Education, and Outcome Based Education.

HONOURS & ACHIEVEMENTS

- Successfully Led Three NBA Accreditation Cycles.
 - Recipient of Best Project Guide Award.
 - Established AICTE-funded Data Analytics Laboratory.
 - Guided Four Ph.D. Scholars to Completion.
 - Organized International IEEE Conferences.
 - Secured Multiple Research Grants and Sponsored Projects.
 - Served as Dean (Academics) and Head of Multiple Departments.
-

PROFESSIONAL MEMBERSHIPS

- IEEE (Activities and Conference Associations)
- VTU Academic Bodies
- Board of Studies & Board of Examination Member
- Industrial Advisory Board Member

(Dr.Chandrika.J)