

# A.V. Krishna Mohan

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## Education

	Degree	Year	Institute	Specialization
1	B.E	1995	SJMIT, Chitradurga, Kuvempu University	CSE
2	M.E.	2000	BMSCE, Bangalore, Bangalore University	CSE

## Professional Experience

	Date (from-to)	Designation	Organization
1	05-06-2008 to Till Date	Assistant Professor	Siddaganga Institute of Technology, Tumkur
2	01-03-2007 to 31-05-2008	Assistant Professor	Acharya Institute of Technology, Bangalore
3	10-03-2005 to 05-02-2007	Assistant Professor	Siddaganga Institute of Technology, Tumkur
4	20-08-2002 to 09-03-2005	Senior Lecturer	Siddaganga Institute of Technology, Tumkur
5	17-04-1996 to 19-08-2002	Lecturer	Siddaganga Institute of Technology, Tumkur

## Positions held

*(Please give details of any administrative posts, co Ordinator roles/ responsibilities held)*

- **BOE Convener**
- **SEE Valuation work Convener**
- **AICTE Activity Points Convener**
- **Technical Seminar Evaluation Convener**
- **Mini-Project Evaluation Convener**
- **BOS Coordinator Member**

- NBA coordinator Member
- NAAC coordinator Member
- Workshop coordinator for FDP
- Test Coordinator Member
- Lab coordinator
- Worked as a Coordinator Member for publicity ,certificates and mementos committee of international Conference to be organized by the dept. of CSE and ISE in 2013 & 2017
- Worked as a Coordinator Member for gifts and mementos committee of CSI Student Convention held in the month of October 2012.
- Worked as a Coordinator member for certificates and mementos committee of Browse- Technical Symposium.

#### Affiliations of Professional organizations

- Life Member for **Indian Society for Technical Education** (LMISTE), LM-26414 dated 03-04-1998
- Life Member for **Computer Society of India** (LMCSI), LM-00169714 dated 01-02-2008
- Life Member for **Institute of Engineers**

#### Courses Taught

##### Undergraduate Courses

- Finite Automata and Formal Languages
- Big Data
- Data Structures and Applications
- Design and Analysis of Algorithms
- Database Management Systems
- Operating systems
- Data Communications
- Computer organization.
- Advanced Computer Architecture
- System Simulation and Modelling
- Object Oriented Programming with C++
- Automata Theory and Compiler Design
- Compiler Design
- Fault Tolerant Computing
- Cryptography & Network Security
- Problem Solving using Computers

- Introduction to Microprocessors.
- Advanced Microprocessors
- System Software & Compiler Design
- Artificial Intelligence
- Theory of Computation
- Digital Image Processing
- Computer Networks -1
- Software Engineering
- Neural Networks
- Parallel processing

#### **Postgraduate Courses**

- Storage Area Networks
- Network Management
- Mobile Computing
- Parallel Computing
- Social Network Analysis

#### **Research Areas**

- Big Data
- Compiler Design
- Theory of computation

#### **Publications**

##### Journals

- “Hybrid Image Denoising with Wavelet and Deep Learning Model” ,Journal of Pharmaceutical Negative Results | Volume 13 | Special Issue 3 | 2022.
- “Movement Mode Harmony Search Based Multi-objective Firefly Algorithm Feature Selection for Detecting the Security Threats in Virtual Machine”, International Journal of Intelligent Engineering and Systems, Volume 17, Feb, Year 2024, Pages 159-168 DOI:10.22266/ijies2024.0229.16
- “Chaos Reptile Search Algorithm Based Clustering and Routing for Internet of Things assisted Wireless Sensor Network”, International Journal of Intelligent Engineering and Systems, Vol.17, No.4, Aug 2024 DOI: 10.22266/ijies2024.0831.05.
- “Intrusion Detection System using Hybrid Reverse - Binary Meerkat Optimization Algorithm and Support Vector Machine with Improved Random Forest”, International Journal of Intelligent Engineering and Systems, Vol.18, No.4, May 2025 , DOI: 10.22266/ijies2025.0531.25

## Conference Proceedings

- “Efficiency Comparison of Parallel and Serial Computation Techniques for Multi-Regional Weather Data Aggregation” ,2024 International Conference on Intelligent and Innovative Technologies in Computing, Electrical and Electronics (IITCEE)

## Book Chapters

- “Adaptive Weight Based Harris Hawks Optimization for Energy-Efficient Cluster Head Selection and Routing in Wireless Sensor Networks” , 6G Communications Networking and Signal Processing, Lecture Notes in Electrical Engineering 1270, [https://doi.org/10.1007/978-981-97-7876-8\\_14](https://doi.org/10.1007/978-981-97-7876-8_14)
- “Secured Transactions of Storage System for Real-time Blockchain Network Monitoring System" in Reliable and Intelligent Optimization in Multi-Layered Cloud Computing Architectures (CRC Book Chapter)