

## Mr. H K Vedamurthy

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### Education

Sl. No.	Degree	Year	Institute	Specialization
1	B.E.	2000	Sri Siddhartha Institute of Technology, Tumkur	CSE
2	M.Tech.	2007	M.Tech. from UBDTCE, Davangere	CSE
3	Ph.D.	Pursuing	Siddaganga Institute of Technology, Tumkur	Deep Learning

### Professional Experience

Sl. No.	Date (from-to)	Designation	Organization
1	August 2011 To Till	Assistant Professor	SIT
2	August 2007 To August 2011	Assistant Professor	Channabasaveshwara Institute of Technology, Tumkur.. Karnataka
3	August 2002 To August 2005	Lecturer	Channabasaveshwara Institute of Technology, Tumkur.. Karnataka
4	March 2001 To July 2002	Lecturer	HMS Institute of Technology, Tumkur., Karnataka

*(Please fill in reverse order. Current designation should be at the top)*

### Positions held

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

### Affiliations of Professional organizations

Member: The Institution of Engineers (India) (IEI)

## Awards and Honors

## Courses Taught

### Undergraduate Courses

- Computer Concepts and C Programming
- Data Structures
- Computer Organization
- Analysis and Design of Algorithms
- Microcontrollers
- Object Oriented Programming with C++
- ARM Microcontroller and Embedded Systems
- Microprocessors
- Advanced Microprocessors
- Logic Design
- Computer Graphics
- System Software

### Postgraduate Courses

## Research Guidance

Sl. no	Name of the Scholar	Title	Year of completion

## Research Areas

- Natural Language Processing
- Information Extraction
- Information Retrieval
- Data Analytics
- Machine Learning

## Sponsored Projects

### Ongoing Projects:

1. Title:  
Funding Agency:  
Amount:  
Duration:  
Role:
2. Title:  
Funding Agency:  
Amount:  
Duration:  
Role:

### Completed Projects:

1. Title:  
Funding Agency:  
Amount:  
Duration:  
Role:
2. Title:  
Funding Agency:  
Amount:  
Duration:  
Role:

## Publications

### Journals

1. Ravi V, H K Vedamurthy and Dr Pallappa Venkatraman, "A Novel AODV Routing protocol for Delay Sensitive Applications in MANET, International journal of Innovative Research in Computer and Communication Engineering, Vol 3 special issue 7, October 2015
2. Nagendra Prasad B D and H K Vedamurthy , "Optimization of Elevator Services Using Machine Learning", International of Advanced Engineering and Research Development, vol 2, issue 7, september-2016.

### Conference Proceedings

1. Sridevi H N and H K Vedamurthy, "Tuple-MHT Based Verifications for outsourced data to ensure correctness and completeness of search results with dynamic

- updates",IEEE International conference on Recent trends in Electronics information communication Technology,May 19-20,2017, India (Scopus Indexed)
3. Vindya N.D.;Vedamurthy H.K. " Machine learning algorithm in smart farming for crop identification " Advances in Intelligent Systems and Computing. **Volume** 1108 AISC, **Year** 2020
  4. Vedamurthy H.K.;Ravi V.;Gururaj S.P. "A reliable solution to detect deepfakes using Deep Learning" 2022 4th International Conference on Cognitive Computing and Information Processing Ccip 2022, **Year** 2022
  5. Shrinivasacharya P.;Vedamurthy H.K. "Healthcare: A Machine Learning Approach for Disease Detection using Voice Signals ", 2024 Asia Pacific Conference on Innovation in Technology Apcit 2024, **Year** 2024
  6. H. K. Vedamurthy;Kiran U;Purohit Shrinivasacharya,"SwarmPred: Harnessing Swarm Sets for Robust and Accurate Prediction Across Dynamic Domains" 2025 International Conference On Emerging Computation and Information Technologies (ICECIT)
  7. H. K. Vedamurthy, Purohit Shrinivasacharya "DeepPlantNet-CBAM: Attention-Augmented Lightweight CNN for Imbalanced Plant Disease Detection", 2025 2nd Asia Pacific Conference on Innovation in Technology (APCIT)