

## Dr Manjunath KG

Affiliation (Assistant Professor, Dept of CSE., SIT)

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### Education

	Degree	Year	Institute	Specialization
1	Ph.D	2018	Vellore Institute of Technology, Vellore	Ad-Hoc Networks
2	M.Tech,CSE	2001	MSRIT,Bengaluru	Computer Science
3	B.E.	1990	SIT Tumkuru	Electronics

### Professional Experience

	Date (from-to)	Designation	Organization
1	Jan 2008 till date	Assistant Professor	SIT TUMKURU
2	Sept.2002 to Dec 2008	Lecturer	SIT TUMKURU
3	May 2000 to October 2002	Lecturer	HMSIT Tumkuru
4	July 1995 to july 1998	Centre Academic Head	M/s APTECH Computer Centre, Panjim, Goa

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

### Positions held

- Time Table Coordinator
- Test Coordinator
- Lab coordinator
- Technical seminar coordinator
- Major project Coordinator

## Affiliations of Professional organizations

- VTU

## Courses Taught

### Undergraduate Courses

- Principle of Programming Using C
- Object Oriented Programming using C++
- Java Programming
- Database Management Systems
- Software Engineering
- Analog and Digital Circuits
- Digital circuits and Computer Organization
- Data Communications
- Basics of Java Programming
- Computer Professional Ethics
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### Postgraduate Courses

- An Analytical approach to Computer Networks
- Optical Networks

## Research Guidance

Sl. no	Name of the Scholar	Title	Year of completion
1	Raghavendra M	Vehicular Networks Using IOT	Pursuing
2	Swetha S	Futuristic Approaches to suicide prevention: deep learning and a personalized mental health support for youth.	Pursuing

## Research Areas

- Ad-hoc Networks
- Deep Learning
- Cloud Computing
- Internet of Things

## Publications

Journals

- A survey on rear end collision avoidance system for Automobiles, KG Manjunath, N Jaisankar ,IJET,2013.
- An intelligent intrusion detection for detecting unauthorized malware over the network, KG Manjunath, N Jaisankar ,K G Shreedevi, International Journal of Engineering and Technology 2013.
- Optimization of Honda algorithm for rear end collision avoidance system with particle swarm optimization, KG Manjunath, N Jaisankar , International Journal of Business Intelligence and Data Mining,2019.
- Effective optimisation of Honda algorithm for rear end collision avoidance system with genetic algorithm, KG Manjunath, N Jaisankar, International Journal of Business Intelligence and Data Mining, 2019.
- Comparison between optimised genetic-based Honda algorithm and Honda algorithm for collision avoidance system, International Journal of Business Intelligence and Data Mining, 2019 .
- Simulink implementation of IEEE 802.11 p for rear end collision avoidance system, , KG Manjunath, N Jaisankar - International Journal of Convergence Computing, 2015
- Ayurvedic Medicine-based Automated Machine Learning Approach for Determining the Nature of the Human Body, Thanushree T.;Manjunath K.G., Journal of Pharmaceutical Negative Results, Volume 13, Year 2022, Pages 1161-1165.
- An Effective Indexing Method for High Dimensional Databases, KG Manjunath, HD Kallinatha.
- Multimodal Deep Learning Framework Using Transformer and LSTM Models for Suicide Risk Detection from Social Media and Voice Data , International Journal of Safety and Security Engineering(Under Review)

#### Conference Proceedings

- An effective Vehicular Adhoc network using cloud computing: a review ,K Netra, KG Manjunath - 2019 9th International conference on cloud computing, 2019.
- Review on computer aided diagnosis of pancreatic cancer using artificial intelligence system , HS Saraswathi, M Rafi, KG Manjunath, A Shankar - 2020 10th International Conference on Cloud, 2020.
- Computer-Aided Diagnosis of Pancreatic Ductal Adenocarcinoma Using Machine Learning Techniques , HS Saraswathi, M Rafi, KG Manjunath, CK Raju - Sentimental Analysis and Deep Learning: Proceedings, 2022.
- Smart Music Player Integrating Facial Emotion Recognition and Music Mood Recommendation, KG Manjunath, S Pramod, TP Chiranth - AIDE-2023 and PCES-2023, 2023.
- Interruption Detection for Detection and Quantification of QRS Fragmentation Based on Machine Learning and Deep Learning Technique, A Banu, KG Manjunath - Proceedings of Second International Conference on, 2022.

## Books

- Transforming Pancreatic Cancer Diagnosis: AI-Powered Biomarker and Imaging Techniques, By Dr H S Saraswathi, Dr Mohammed raffi, Dr Manjunath KG, Dr CK Raju, SK Publisher & Distributors.