




# K. S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bangalore-560109.

Faculty Name	Dr. DINESH KUMAR D S	 PHOTO
Designation	ASSOCIATE PROFESSOR	
Educational Qualification	BE, M-Tech ,Ph.D.	
Experience in Years	Teaching:18 Industry :nil	
Areas of Interest	Image and Speech Processing, Microwave and Antennas, Optical Fiber Communication, Computer Networks, Signal Processing	
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## Educational Details

Examination/ Degree	College / University	Year of Passing
UG	PESCE Mandya / Mysore University	2001
PG	SJCIT, Chikkaballapur / VTU	2007
Ph.D	Completed with title “A Novel Multi Algorithm Based Speech & Face Recognition (Multi modal) System for the Analysis of FAR & FRR” under the guidance of Dr.P V Rao / VTU	2021

## Publications

### Journal Publications:

1.Dinesh Kumar D S , Manjunath B S, “*Design and Implementation of Continuous Speech Recognition using HMM and GMM on FPGA*”, International Journal of Latest Trends in Engineering, Science and Technology (IJLTEST),Volume 1, Issue 5, ISSN: 2055-530X(May-June 2014).

2. Dinesh Kumar D S, “*VLSI IMPLEMENTATION FOR ROBUST FACE RECOGNITION AGAINST VARYING LIGHTING CONDITIONS USING PCA CLASSIFIERS*”, International Journal for Technological Research in Engineering (IJTRE) Volume 2, Issue 9, May - 2015.

3. **Dinesh Kumar D S**, '*MULTI-STREAM RECOGNITION OF SPEECH USING PARALLEL PROCESSING APPROACH & ANN (ARTIFICIAL NEURAL NETWORKS)*', International Journal for Technological Research in Engineering (IJTRE) Volume 2, Issue 9, May-201.
4. **Dinesh Kumar D S, Dr P V Rao**, "*Person identification using combined Face and Speech for the reduction of FAR and FRR*", I J C T A, 10(9), 2017, pp. 891-898, ISSN: 0974- 5572.
5. **Dinesh Kumar D S, Dr P V Rao**, "*Prediction based person recognition using face and speech (multi modal) for improved performance*", International Journal of Engineering & Technology, 7 (2.33) (2018) 145-150.
6. **Dinesh Kumar D S, Dr P V Rao**, "*Implementing and Analyzing FAR and FRR for face and voice recognition (multimodal) using KNN classifier*", International Journal of Intelligent Unmanned Systems© Emerald Publishing Limited, 2049-6427, DOI 10.1108/IJIUS-02-2019-0015.
7. **Dinesh Kumar D S, Varsha P, Varshrani saha**, "*Pipe Spy: A Leakage Detection and Correction Robot*", Journal of Applied Science and Computations (JASC), volume 7, issue 4, April 2020.
8. **Dr.Dinesh Kumar D S, Ganesh B**, "*Non-Invasive Health Monitoring System for Diabetes Patients*", International Journal of Creative Research Thoughts (IJCRT), volume 9, issue 7, July 2021.
9. **Dr.Dinesh Kumar D S, Dr. Rajesh L**, "*Human Authentication using Face, Voice and Fingerprint Biometrics*", Journal of Emerging Technologies and Innovative Research (JETIR), Volume 8, Issue 8, August 2021.

### Conference Papers:

1. **Dinesh Kumar D S , Dr P V Rao, “Analysis and Design of Principal Component Analysis and Hidden Markov Model for face recognition”** in 2<sup>nd</sup> International Conference on Nanomaterials and Technologies (CNT 2014) held at Vardhaman College of Engineering, Hyderabad.

2. **Dinesh Kumar D S, “Dual rate Speech Codec for Multimedia Communication”** at national conference organized by M.S Engineering College, Bengaluru

3. **Dinesh Kumar D S, “3G ultra FDD System Using Channel Filter”** held at SJCIT, Chikballapur.

### Awards

patent on “**online voting system**” is published with patent id 202141041370

### Professional Membership

1. The Society of Digital Information and Wireless Communications (SDIWC)
2. International Association of Engineers(IAE)

### Contact Details

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