




K. S. INSTITUTE OF TECHNOLOGY

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Faculty Name	Dr. DINESH KUMAR D S	 PHOTO
Designation	ASSOCIATE PROFESSOR	
Educational Qualification	BE, M-Tech, Ph.D.	
Experience in Years	Teaching:20 Industry: nil	
Areas of Interest	Image and Speech Processing, Microwave and Antennas, Optical Fiber Communication, Computer Networks, Signal Processing, Embedded systems and IOT	
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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, Varsha rani 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.

10. **Dr. Dinesh Kumar D S “Interactive Smart Glove for Mobility Training and Stroke Rehabilitation.”** is accepted and published in Dickensian Journal Volume 22, Issue 6, 2022.
11. **Dr. Dinesh Kumar D S, “Attendance Monitoring System Using Face Recognition with Temperature Sensor and Hand Sanitizer”**, International Advanced Research Journal in Science, Engineering and Technology, Vol. 9, Issue 7, July 2022
12. **Dr. Dinesh Kumar D S, “Novel Voting System Using Multimodal Biometrics”**, International Advanced Research Journal in Science, Engineering and Technology, Vol. 9, Issue 7, July 2022
13. **Dr. Dinesh Kumar D S, “Smart Restaurant Using E-Menu and Waiter Robot”**, International Journal of Creative Research Thoughts (IJCRT), Volume 11, Issue 5 May 2023 | ISSN: 2320-2882.
14. **Dr. Dinesh Kumar D S, “Safeguards for Water Storage Bodies”**, International Journal of Novel Research and Development, © 2023 IJNRD | Volume 8, Issue 4 April 2023 | ISSN: 2456-4184 | IJNRD.ORG

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 2nd 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)

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