

Name And Designation: K.Meenakshi, Professor

Email ID: mkollati@gmail.com

Educational Details: B.Tech ECE, Siddhardha Engineering college, Vizayawada, Andhra Pradesh,

M.Tech (Digital Systems and Computer Electronics), JNTU, Hyderabad.

Phd, JNTU, Kakinada, Andhra Pradesh

Professional Background: Associate professor and HOD, Aditya Engineering college, Kakinada(2005-2010)

Assistant Professor (GRIET) (2010-2015)

Associate professor (GRIET)(2015-18)

Professor (GRIET)(2018-20)

Administrative Experience: HOD, Aditya Engineering college,

NAAC 3rd criteria coordnator

Committee Work: NAAC and NBA R& D coordinator

Courses Taught: Electronic devices and circuits

Electronic Circuit Analysis

Probability Theory and stochastic process

Computer Organization

Digital Electronics

Digital system Design

Data communication system

Microprocessor and interfacing

VLSI design

Verilog

Embedded systems and microcontrollers

Satellite communication

Digital Image processing

Low power vlsi

Scripting languages

PUBLICATIONS:

International Journals

1. K Meenakshi, Ch Srinivasa Rao, K Satya Prasad ,“Development of Low-Complexity Video Watermarking With Conjugate Symmetric Sequency Complex Hadamard Transform”. *IEEE Communications Letters*, 21(8), pp.1779-1782, 2017. **(SCIENCE CITATION INDEX EXPANDED)**
2. K Meenakshi, Ch Srinivasa Rao, K Satya Prasad , A Scene Based Video Watermarking Using Slant Transform, *IETE Journal of Research* 60 (4), 276-287, 2014 2 **(SCIENCE CITATION INDEX EXPANDED)**
3. Swaraja, K., Meenakshi, K., & Kora, P. (2020). An optimized blind dual medical image watermarking framework for tamper localization and content authentication in secured telemedicine. *Biomedical Signal Processing and Control*, 55, 101665. 7 **(SCIENCE CITATION INDEX EXPANDED)**
4. Kuraparathi, S., Kollati, M., & Kora, P. (2019). Robust Optimized Discrete Wavelet Transform-Singular Value Decomposition Based Video Watermarking. *Traitement du Signal*, 36(6), 565-573.**(Science Citation Index Expanded)**
5. Leelavanthi, C., Padmavathi, K., Swaraja, K., Meenakshi, K., & Samson, M. IoT Based Smart Surveillance System for Healthcare Monitoring using Raspberry PI, *IJTEE*,2019. **(SCOPUS INDEXED)**
6. Rakesh, G., Kora, P., Swaraja, K., Meenakshi, K., & Karuna, G. Gsm Based Face Recognition using Pir Sensor on Raspberry Pi 3, *IJTEE 2019* **(SCOPUS INDEXED)**
7. Yasasy, T., Sushil, K. V., Meenakshi, K., Swaraja, K., & Kora, P. A Hybrid Blind Watermarking With Redundant Discrete Wavelet and Hadamard Transform, *IJTEE 2019***(SCOPUS INDEXED)**
8. Kora, P., Meenakshi, K., Swaraja, K., Rajani, A., & Islam, M. K. (2019). Detection of Cardiac arrhythmia using fuzzy logic. *Informatics in Medicine Unlocked*, 17, 100257.
9. Swaraja K, Meenakshi K, Padmavathi kora, Mamatha Samson, Karuna G, Ushasri A, A secure architecture of design for testability structures, [International Journal of Recent Technology and Engineering](#) Open Access Volume 8, Issue 2, July 2019, Pages 2816-2820
10. Kora, P., Abraham, A., & Meenakshi, K. (2019). Heart disease detection using hybrid of bacterial foraging and particle swarm optimization. *Evolving Systems*, 1-14
11. Meenakshi, K., Kora, P., & Kishore, D. (2019). Video watermarking with Curvelet Transform. *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, ISSN, 2278-3075.

International Conferences

12. K Meenakshi, CS Rao, KS Prasad, A robust watermarking scheme based Walsh-Hadamard transform and SVD using ZIG ZAG scanning, *International Conference on Information Technology (ICIT)*, 2014, 167-172, 2014 **(SCOPUS INDEXED)**
13. K Meenakshi, GNB Bethel, Design and simulation of constant bit rate compressor using fuzzy logic, *First International Conference on Networks & Soft Computing (ICNSC)* 2014. **(SCOPUS INDEXED)**

14. Meenakshi, K., Swaraja, K., & Kora, P. (2019). A Robust DCT-SVD Based Video Watermarking Using Zigzag Scanning. In *Soft Computing and Signal Processing* (pp. 477-485). Springer, Singapore. **(SCOPUS INDEXED)** https://doi.org/10.1007/978-981-13-3600-3_45, Jan, 17.
15. Kora, P., Meenakshi, K., & Swaraja, K. (2019). Detection of Cardiac Arrhythmia Using Convolutional Neural Network. In *Soft Computing and Signal Processing* (pp. 519-526). Springer, Singapore. **(SCOPUS INDEXED)**
16. Meenakshi, K., Swaraja, K., & Ch, U. K. (2019, March). Grading of quality in tomatoes using multi-class SVM. In *2019 3rd International Conference on Computing Methodologies and Communication (ICCMC)* (pp. 104-107). IEEE.(29 August 2019) [10.1109/ICCMC.2019.8819866](https://doi.org/10.1109/ICCMC.2019.8819866)
17. Kumari, C. U., Kora, P., Meenakshi, K., & Swaraja, K. (2019, March). Short Term and Long Term Path Loss Estimation in Urban, SubUrban and Rural Areas. In *2019 3rd International Conference on Computing Methodologies and Communication (ICCMC)* (pp. 114-117). IEEE.
18. Kora, P., Kumari, C. U., Swaraja, K., & Meenakshi, K. (2019, February). Atrial Fibrillation detection using Discrete Wavelet Transform. In *2019 IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT)* (pp. 1-3). IEEE.
19. Meenakshi, K., Swaraja, K., Kora, P., & Ch, U. K. (2019, March). Texture feature based oblivious watermarking with slant transform using fuzzy logic. In *2019 IEEE 5th International Conference for Convergence in Technology (I2CT)* (pp. 1-5). IEEE.
20. Kumari, C. U., Kora, P., Meenakshi, K., Swaraja, K., Padma, T., Panigrahy, A. K., & Vignesh, N. A. (2020). Feature Extraction and Detection of Obstructive Sleep Apnea from Raw EEG Signal. In *International Conference on Innovative Computing and Communications* (pp. 425-433). Springer, Singapore.

Review Work:

4 peer reviewed journals

2-Swarm and Evolutionary computation

2-IET image processing

Reviewer for Journals and Books: Nil

PROFESSIONAL WORK:

Talks/Paper Presentations: Talk on Machine learning

Seminars and Symposiums:

Memberships:

External Examiner : (means lab external examiner,paper setting/moderator..etc)

VLSI Paper setting.....Aditya Engineering college

Probability theory and stochastic process-- Aditya Engineering college

MP &MC-----CVR Engineering college

AWARDS AND ACHIEVEMENTS:

Certifications: ICT

Appreciations