K. S. INSTITUTE OF TECHNOLOGY

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

Faculty Name	Rekha N
Designation	Professor
Educational Qualification	Ph.D
Experience in Years	20 years
Areas of Interest	Wireless communication, Image Processing
E-mail	rekhan@ksit.edu.in

Educational Details

Examination/ Degree	College / University	Year of Passing
Ph.D.	K.. S. Institute of Technology, Bengaluru, VTU	2020
M.Tech	East West Institute of Technology, Bengaluru, VTU	2009
B.E.	SRSIT, Bengaluru,VTU	2002

Publications

- **Journal Publications:**

- Reinforcing Optimization enabled Interactive Approach for Liver Tumor Extraction in CT Images, International Journal of Electrical and Computer Engineering (IJECE), Vol. 13, No.4, pp.4076-4086, 2023 ISSN 2088-8708, e-ISSN 2722-2578, a Scopus/Scimago JR indexed Q2 journal on August, 2023. DOI: 10.11591/ijece.v13i4.pp4076-408

- A novel and integrated architecture for identification and cancellation of noise from GSM signal, International Journal of Electrical and Computer Engineering (IJECE) Vol. 9, No. 5, October 2019, pp. 4010~4019 ISSN: 2088-8708, DOI: 10.11591/ijece.v9i5.pp4010-4019

- "SANC: Stochastic approach for noise cancellation in GSM signals," 2015 International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT), IEEE Xplore, 2016.

- "Study on Approaches of Noise Cancellation in GSM Communication Channel " Communications

on Applied Electronics (CAE), Foundation of Computer Science FCS, Vol. 3, No. 5, 2015.

- Novel Technique for Comprehensive Noise Identification and Cancellation in GSM Signal," International Journal of Electrical and Computer Engineering (IJECE), Vol. 8, Issue 2, pp. 1222-1229, April 2018.
- "Noise Detection and Elimination by Using Analytical Approach," in Computer Science On-line Conference (CSOC2018), Software Engineering and Algorithms in Intelligent Systems, pp. 37-45, Springer, 2018.

Conference Papers :

- Computer Vision Based Home Automation has been accepted for presentation at Annual International Conference on Data Science, Machine Learning and Block Chain Technology, AICDMB,VVCE, Mysuru on 16th & 17th March 2023.

Patents Filed :

- "ACCIDENT PREVENTION MANAGEMENT SYSTEM USING ARTIFICIAL INTELLIGENCE", Journal Date- 25/12/2020-IPO
- "FEATURE EXTRACTION AND MACHINE LEARNING FOR EVALUATION OF STUDENTS COMMUNICATION SKILLS", Journal Date- 09/07/2021 –IPO
- "AN INNOVATIVE COGNITIVE E-MIRROR", Journal Date- 04/11/2022 –IPO
- " A ROBUST SECURITY MANAGEMENT SYSTEM FOR THE INTERNET OF THINGS (loT)", with the Application No: 20 2022 106 318 on 10/11/2022 and was granted with IPC:H04L 9/00

Awards

M.Tech 3rd Rank in Digital Electronics

Professional Membership

- Life membership of ISTE (LM68989)
- Life membership of IEI (M-1738660)

Contact Details

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