K. S. INSTITUTE OF TECHNOLOGY

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

Faculty Name	Rekha N
Designation	Associate Professor
Educational Qualification	M .Tech , Ph.D
Experience in Years	Teaching: 18 yrs Industry : 0
Areas of Interest	Communication
E-mail	rekhan@ksit.edu.in

Educational Details

Examination/ Degree	College / University	Year of Passing
UG	SRSIT/VTU	2002
PG	EWIT/VTU	2009
PhD	KSIT/VTU	2020

Publications

Journal Publications:

1. "Zero Contact Delivery For Faster And Safer Delivery Through IoT", in International Journal of Advanced Research In Computer And Communication Engineering, Impact Factor 7.078, 2021
2. "Lightweight Authentication Protocol For NFC Based Anti-Counterfeiting System in IoT Infrastructure", in International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, Impact Factor 6.581, 2021
3. "Smart Wrist Band for Alzheimer's and Sleep Apnea victims", International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 07 Issue: 04 | Apr 2020, ISSN: 2395-0072 © 2020, IRJET | Impact Factor value: 7.529 | ISO 9001:2008 Certified Journal| Page 3297.

4. “Automatic Ration Distribution With Quality Check Implementation Using Image Processing”, JASC: Journal of Applied Science and Computations Volume VII, Issue IV, April/2020 ISSN NO: 1076-5131

5. "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

6. "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

7. " A novel and integrated architecture for identification andcancellation of noise from GSM signal," International Journal of Electrical and Computer Engineering (IJECE), Vol. 9, Issue 5, October 2019

Conference Papers :

1. "SANC: Stochastic approach for noise cancellation in GSM signals," 2015 International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT),IEEE Xplore, 2016.
2. "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.

Patents Filed :

- Applied for patent for the project titled “ACCIDENT PREVENTION MANAGEMENT SYSTEM USING ARTIFICIAL INTELLIGENCE”, with the Application No: 202041055059 on 17.12.2020 and was published with Journal Number- 52/2020, Journal Date- 25/12/2020-IPO
- Applied for patent for the project titled “FEATURE EXTRACTION AND MACHINE LEARNING FOR EVALUATION OF STUDENTS COMMUNICATION SKILLS”, with the Application No: 202141028830 on 27/06/2021 and was published with Journal Number- . 28/2021, Journal Date- 09/07/2021 –IPO

Awards

1. **Obtained 3rd Rank in M. Tech(Digital Electronics).**

Professional Membership

1. **ISTE-** LM68989

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