Dr. Vinothkumar. G, M.E., Ph.D.

Assistant Professor (Sr.G),

Department of ECE,

College of Engineering & Technology,

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QUALIFICATION:

UG: B.E., Electronics and Communication Engineering, KCG College of Technology, May 2008.

PG: M.E., Medical Electronics, College of Engineering (CEG Campus), May 2010.

Ph.D.: Completed Research work in the area of Speech Signal Processing in SRMIST, Chennai, Jan 2025.

RESEARCH INTEREST:

- Speech Signal Processing
- Bio-Medical Instrumentation
- Sensors and Transducers

ACADEMIC EXPERIENCE:

- Assistant Professor, Shri Muthukumaran Institute of Technology, Chennai Feb 2007 - July 2008
- Assistant Professor (O.G), KINGS Engineering College July 2012- June. 2013
- Assistant Professor (Sr. G), SRM Institute of Science and Technology Ramapuram June 2013- till date

PUBLICATION IN JOURNAL:

- Vinothkumar.G,Manoj Kumar.D, "A Novel Adaptive ANC Algorithm for Removal of Background Noise in Speech Applications", The International Arab Journal of Information Technology (IAJIT) ,Volume 21, Number 04, pp. 589 - 600, July 2024, doi: 10.34028/iajit/21/4/4
- Vinothkumar, G., and Manoj Kumar. "Speech Enhancement with Background Noise Suppression in Various Data Corpus Using Bi-LSTM Algorithm." International Journal of Electrical and Electronics Research 12.1 (2024): 322-328.

- Vinothkumar, G., and P. Polasi. "Filter performance of sparse noise for controlling the occurrence of noise-induced hearing loss using hybrid algorithm." *AIP Conference Proceedings*. Vol. 2405. No. 1. AIP Publishing, 2022.
- Aravindan, C., G. Vinoth Kumar, R. Arthi, and R. Abhilash. "A Fuel level indicator using load cell through an audio feed output and location tracker for visually impaired." In *2022 International Conference on Communication, Computing and Internet of Things (IC3IoT)*, pp. 01-04. IEEE, 2022..
- G Vinothkumar, S Jinu, KC Vishal, RK Williams Food Calories Detection Using Deep Learning Techniques Annals of the Romanian Society for Cell Biology, 15926-15932
- Vinothkumar G, "AN EFFICIENT DEVICE TO CONTROL THE OCCURRENCE OF NOISE-INDUCED HEARING LOSS IN THE ARMED FORCES", International Journal of Emerging Technology in Computer Science & Electronics, April 2018.
- G Vinothkumar A Modified Long Lasting Pacemaker Using Piezoelectric Nanowires For Treating Cardiac Diseases international journal of pure and applied mathematics 118 (20), 709-717

PATENT:

- Patent number: 202141061531

Title of invention: **Thermal Imaging for snake detection- living things detection using thermal imaging in Agricultural field.**

BOOKS PUBLISHED:

- **Medical Electronics**

  Publisher -Scientific International Publishing House ISBN No: 978-93-92992-74-2

FUNDED PROJECT:

- **Applied for DST-TDP, SERB, TIDE, STRIDE, SC/ST CALL, TNSCST etc.**

RESPONSIBILITIES:

- Timetable Coordinator
- University Practical Schedule coordinator
- University exam cell member
- Department MOU Coordinator
- Department NSS Staff Coordinator
- Discipline coordinator