

FACULTY VITAE

Name – Kavitha G

Education –

Ph.D., Nano Technology, Dr. M.G.R. Educational and Research Institute, Chennai, 2022.

M. Tech., VLSI Design, Sathyabama University, Chennai, 2010.

B.E., Electronics and Communication Engineering, Government College of Engineering, Tirunelveli, 2004.

Academic experience –

Dr. M.G.R. Educational and Research Institute, Assistant Professor from 2022- Present.

Sri Venkateswara College of Engineering & Technology, Associate Professor, 2012- 2022.

LCR college of Engineering and Technology, Kanchipadi, Assistant Professor, 2008 –2012.

Vel Tech Engineering College, Lecturer, 2004- 2008.

Non-academic experience – NIL

Certifications or professional registrations - NIL

Current membership in professional organizations - NIL

Honors and awards-

Act as external expert member in DRTC Assessment Board-2023.

Service activities (within and outside of the institution)–

Exam Cell Coordinator

National Board of Accreditation Coordinator-Criteria 4 In-charge

Program Development Cell Coordinator

Board of Studies Coordinator

Organized National Conference “Silicon 2024” on AI in Electronics: Empowering Health Care Sustainability”, 28. 02. 2024 - 29.02.2024.

Briefly list the most important publications and presentations from the past five years –

Kavitha.G ,(2024), “Carbon Nanotube and their Bio Applications” in International Scientific conference on University Science : A Look into the Future at Dr. M. G. R Educational & Research Institute & Kursk State Medical University , Russian Federation from 08.2.2024-09.2.2024

Kavitha. G, (2023), ‘Novel and Optimized Efficient Transmission Using Dynamic Routing Technique for Underwater Acoustic Sensor Networks’ Engineering Proceedings, MDPI, vol. 59, no. 1, 2023059089 (Scopus Indexed).

Kavitha.G,(2023), ‘An Effective Prediction of Air Pollution by Using Machine Learning Models’ Tuijin Jishu Journal of Propulsion Technology’ vol. 44, no. 6(Scopus Indexed).

Kavitha.G,(2023), “Novel and Optimized Efficient Transmission Using Dynamic Routing Technique for Underwater Acoustic Sensor Networks ” in International conference on Recent Advances in Science and Engineering at Manipal Academy of Higher Education, Dubai from 4.10.2023- 5.10.2023.

Kavitha.G,(2019), “ Recent developments for diabetes monitoring blood glucose using non-invasive methods” in National Conference on "Recent Advancements in Communication, Electronics and Signal Processing" RACES '19 at Velammal Engineering College.

Kavitha.G, (2019),“Non-invasive estimation of glucose by monitoring pancreas using NIR sensor” in an IEEE International Conference on "Smart Structures and Systems" ICSSS'19 on 14th and 15th March 2019 at Saveetha Engineering College.

Kavitha, G ,(2019),“ Antenna as sensor to measure diabetes mellitus from pancreas in non-invasive method” in an IEEE International Conference on" Innovations in Information and

Communication Technology" ICIICT'19 at St. Peter's College of Engineering and Technology.

Kavitha, G & Senthilkumar, K, (2019), 'Nanosensors in Glucose measurement: A Review', Indian Journal of Public Health Research & Development, vol. 10, no. 4, pp. 257-262 (Scopus Indexed).

Kavitha, G & Senthilkumar, K, (2019), 'Recent Developments for Diabetes Monitoring Using Non-Invasive Methods', Journal of Advanced Research in Dynamical & Control Systems, vol. 11, no. 2, pp. 616-618 (Scopus Indexed)

Kavitha, G & Senthilkumar, K, (2019), 'Detection of Diabetes by Monitoring Pancreas using NIR Sensor', International Journal of Innovative Technology and Exploring Engineering, vol. 8, no. 8s, pp. 660-663 (Scopus Indexed)

Kavitha, G & Senthilkumar, K, (2019), 'Non-Invasive Estimation of Glucose by Monitoring Pancreas using NIR Sensor', International Journal of Recent Technology and Engineering, vol. 8, no. 3, pp- 5651-5653 (Scopus Indexed)

Briefly list the most recent professional development activities-

Organized ten days FDP in collaboration with NIT, Warangal on Designing Chips with low power artificial intelligence, 22.04.2024 - 01.05.2024.

International Scientific Conference" University Science: A look into the Future" from 08.02.2024 & 09.02.2024, Kursk State Medical University, Russia co-hosted by Dr. M.G.R Educational & Research Institute, Chennai.

Organized six days FDP on Recent trends in Modern Smart intelligent system, 08.05.2023-13.05.2023.

Virtual FDP on "VLSI Design", 18.12.2023 to 23.12.2023, Dr. M.G.R Educational & Research Institute.

FDP on Ethical Hacking, 27.02.2023 to 03.03.2023, Blackbuck Engineers and KSR Institute of Technology & Sciences.

Faculty Development Programme on Communication and computation from 13.12.2022 to 17.12.2022 & 19.12.2022, Dr. M. G. R. Educational and Research Institute.

FDP on "Inculcating Universal Human values in Technical Education" from 31.10.2022 to 04.11.2022, All India Council for Technical Education (AICTE).

Books Published:

A Text Book on "Circuit Theory", Dr. Swapna, Dr. U. Jayalathsumi, Dr. Chunchu Rambabu and Dr. G.Kavitha, 2023, ISBN No: 978-93-5577-511-5, 2023 published by Charulatha Publications.