



Ms. Manju I. Kollannur

Assistant Professor Electronics & Communication Engineering

Administrative Responsibilities

- Admission Co-ordinator
- Faculty advisor of 2026-2030 Batch

Education Summary

- Pursuing Ph.D at VelTech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai
- M.Tech in VLSI & Embedded system from College of Engineering, Chengannur (CUSAT)
- B.Tech in ECE from MES College of Engineering, Kuttippuram (University of Calicut)

Employment History

- Lecturer in Calicut University Institute of Engineering and Technology for one year
- Assistant Professor in Nirmala College of Engineering for 5.5 years
- Working at Christ College of Engineering since January 2020

Journal/Papers Published

- Kollannur, M. I., & S, O. C. (2025). TFIE: three-four inexact adder based 4:2 and 5:2 compressor for high performance approximate booth multiplier. *International Journal of Electronics*, 1–24. <https://doi.org/10.1080/00207217.2025.2500084>

- M. C. Joy, A. Jimmy, T. C. Thomas and M. I. Kollannur, "Modified 16 bit Carry Select and Carry Bypass Adder Architectures for High Speed Operations," 2020 IEEE International Conference for Innovation in Technology (INOCON), Bangluru, India, 2020, pp. 1-4, doi: 10.1109/INOCON50539.2020.9298435.
- M. I. Kollannur and O. C. S, "Radix-8 Booth Encoded Approximate Multiplier Design for Energy-Efficient Image Processing Applications using a 5:3 Compressor," 2025 6th International Conference on Smart Electronics and Communication (ICOSEC), Trichy, India, 2025, pp. 240-244, doi: 10.1109/ICOSEC67334.2025.11459471.
- Kollannur, M. I., & S, O. C. (2026). TFIE: three-four inexact adder based 4:2 and 5:2 compressor for high performance approximate booth multiplier. *International Journal of Electronics*, 113(1), 65–88. <https://doi.org/10.1080/00207217.2025.2500084>

Areas of Interest

- VLSI
- Embedded
- Digital system design

Specialized Trainings

- Diploma in Teacher Training Education
- MOOC Courses completed on Digital Circuits, Academic Leadership in Cross Cultural Context of Higher Educational Institutions, Design Thinking, Mental Health Being

Achievements

- GATE 2011 qualified