



Mr. Tony C. Thomas

Assistant Professor

Department of Electronics & Communication Engineering

Christ College of Engineering, Irinjalakuda

Administrative Responsibilities

- Chair, Printed Media Cell
- Branch Counsellor, IEEE SB
- Department IQAC Coordinator
- Department SEP Coordinator
- Vice Chair, AICTE/KTU Inspection Committee

Education Summary

- **Pursuing PhD at NIT Karnataka, Surathkal**
2025 Dec. onwards
- **M.Tech. in VLSI and Microsystems**
Indian Institute of Space Science and Technology (IIST), Thiruvananthapuram (2015–2017)
- **B.Tech. with Honours (Electronics and Communication Engineering)**
Mar Athanasius College of Engineering, Kothamangalam, Kerala, India (2011–2015)
- **Qualified UGC NET in Electronic Sciences for Lectureship** (November 2017)

Employment History

- **Assistant Professor**, Department of Electronics and Communication Engineering
Christ College of Engineering, Irinjalakuda (August 2018 – December 2019 & October 2021 – Present)
- **Guest Faculty in Electronics**, Department of Physics
Nirmala College, Muvattupuzha (January 2021 – October 2022)

- **Research Scholar in Microelectronics**, Department of Electrical Engineering
Indian Institute of Technology (IIT) Madras (January 2020 – December 2020)
- **Assistant Professor (Ad-hoc)**, Department of ECE
National Institute of Technology (NIT) Calicut (January 2018 – March 2018)
- **Guest Lecturer**, Government Polytechnic College, Muttom, Thodupuzha (January 2018)

Publications & Papers Published

1. **"Novel CMOS MEMS accelerometer with fingered differential LMGFET architecture with linear response"**
Tony C Thomas, V Susmitha Reddy, V Seena
12th IEEE International Conference on Nanotechnology Materials and Devices (IEEE NANO), Singapore, December 2017.
2. **"Modified Carry Select and Carry Bypass adder architectures for High Speed Operations"**
Mary Christina Joy, Ansa Jimmy, Tony C Thomas, Manju I Kollannur
IEEE International Conference for Innovations in Technology, Bangalore, 2020.
3. A Low Noise Signal Conditioning Circuit for Neural Signal Acquisition, V. M. Paul, S. Adhikari, L. S. Singh, T. C. Thomas, C. Babu, 11th IEEE International Conference on Smart Computing and Communications (ICSCC 2025)
4. FEA and Experimental Studies of MOS Microgas Sensor with integrated in-plane microheater, A. Raju, N. V. Anil, A. T. A, Seethalakshmi, S. Krishnapriya, T. C. Thomas, 11th IEEE International Conference on Smart Computing and Communications (ICSCC 2025)

Consultancy

- **AICTE Technical Book Writing (TBW) Scheme**: Translation of UG/Diploma Engineering Books into Malayalam (Grant: ₹1,00,000 | 2022–2023).
- **Basketball Shot Clock Timer**, Dr. Caren Babu, Tony C Thomas - for Christ College (Autonomous)

Specialised Training & Workshops

- **NPTEL Course - Research Methodology** by IIT Madras, 2025-26
- **NPTEL Course- Design and analysis of VLSI Subsystems**, by IIT Madras, 2025-26
- **SWAYAM Course on Academic Leadership in Cross Cultural Context**, NITTTR Chennai, 2024-25
- **Workshop on Quality Assurance through NAAC Accreditation Process**, 1/7/2024 to 5/7/2024, NITTTR Kalamassery.
- Three days Workshop on 'Xilinx FPGA Boards Workshop: From basics to advanced', IIIT Kottayam, 13/10/2023 to 15/10/2023
- **NPTEL / AICTE Approved FDP**: Completed course on *"Hardware Modeling using Verilog"* with **Elite Gold Grade**.

- **AICTE One-Day Workshop on Book Translation:** Organized by AICTE at Digital University Kerala (DUK), Thiruvananthapuram (September 15, 2022).
- **Research Internship:** Centre for Nanotechnology, *Indian Institute of Technology (IIT) Guwahati* (May–June 2016).
- **GIAN Course:** One-week course on *"MEMS Resonators - Fundamentals and Applications"*, organized by *IIT Bombay* (June 27 – July 3, 2016).

Awards and Recognitions

- **Best Outgoing Student Award**, Mar Athanasius College of Engineering, Kothamangalam (2015).
- Topper with **Elite Gold Grade**.- *"Hardware Modeling using Verilog"* - NPTEL Course
- Best Poster award IIT Palakkad Research Scholars' Day, Electrical Department in External Category , **2025**

Funded Projects

1, Micro Gas Sensor for Detection of Methane as an Exhaled Breath Biomarker, Dr. Krishnapriya S & Mr. Tony C Thomas, FRSG Christ College of Engineering. Rs. 50,000, 2024-25

2, Metal Oxide Semiconductor Based Micro Gas Sensor For The Detection Of Cardiovascular Disorders Using Exhaled Breath CO Biomarker, Dr. Krishnapriya S & Mr. Tony C Thomas, Centre for Engineering Research and Development (CERD) under KTU, Rs. 38,5000, 2024-25