

# Anusree L.

Assistant Professor, ECED, LBSITW



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[Google scholar link.htm](#)

## Qualifications:

- B. Tech – Electronics and Communication Engg. (Kerala University)
- M. Tech – Signal Processing (Kerala University)

## Professional Experience:

- Assistant Professor, LBSITW, Trivandrum (2008-Till date)
- Lecturer, Mar Baselios College of Engg and Technology(2005-2008)

## Recently Taught Courses:

- Analog Integrated Circuits
- Linear Integrated Circuits
- Electromagnetic Theory
- Nano Electronics
- Digital Electronics Lab
- Electronics Workshop

## Other Responsibilities:

- Alumni Association Secretary (August 2021-Till date)
- Staff Advisor (2020-2024 ECE)
- Staff Advisor (2016-2020 ECE)
- Staff-in-charge of Campus Radio 2015-17
- ECE – AE Association Staff Advisor 2011-12
- Series exam coordinator 2008

## Important Publications:

1. Anusree, L., M. Abdul Rahiman, "Secure Optical Encryption Technique for Real Time Security Related Applications-A Review." *Turkish Journal of Computer and Mathematics Education* 12, no. 2 (2021): 1989-1994. (Scopus Indexed)
2. Anusree L., M. Abdul Rahiman, "Highly Accurate Optical Encryption for Image Security Applications Using FFT and Block Swapping", In *International Conference on Information Processing*, pp. 118-128. Springer, Cham, 2021.
3. Anusree, L., M. Abdul Rahiman. "A New Approach for Optical Image Encryption Standard Using Bit Swapping and Fractional Fourier Transform." In *Inventive Computation and Information Technologies*, pp. 139-151. Springer, Singapore, 2022.
4. Anusree, L., M. Abdul Rahiman. "Secure Optical Image Encryption and Data Hiding Technique in Compression Domain Using Dual Key-Based Bit Swapping." In *Proceedings of Third International Conference on Communication, Computing and Electronics Systems*, pp. 75-87. Springer, Singapore, 2022.
5. Anusree L, M. Abdul Rahiman "A New Highly Secure Optical Image Security Technique Using Gyrator Transform for Image Security-Related Applications," *International Journal of Optics*, vol. 2022, pp.1-16 <https://doi.org/10.1155/2022/6165901> (SCI Indexed IF 1.04)
6. Aswathy S A, Anusree L, "Non invasive blood glucose detection along with an assistive diabetes monitoring app" IEEE International conference on current trends towards converging technologies, March 2018.
7. Kavya S., Anusree L, "An Improved Reversible Data Hiding In Encrypted Images Using MSB Prediction Technique" National Conference on Advances in Communication, Signal Processing and Instrumentation -NCACSI2020

## Research & Consultancy:

- Research Scholar at APJAKTU doing research in Image encryption

## Membership in Professional Organizations

- Life member ISTE

## **Conference/Paper Presentation:**

- Reviewer - Technical papers - NCACSI-2020 [National Conference On Communication signal Processing and Instrumentation NCACSI-2020]
- Best paper award obtained in NCACSI-2020 [National Conference On Communication signal Processing and Instrumentation NCACSI-2020]
- Presented a Technical Paper in- ICCSC-23 [International Conference on Computational Systems and Communication- 2023]