Mr. LALJI CYRIAC
Assistant Professor
Department of Electronics and Communication Engineering
College of Engineering Vadakara
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Qualifications:

- B.Tech in Electronics and Communication Engineering
- M.Tech in Electronics

Experience:

- Working as Assistant Professor at College of Engineering Vadakara since 23-7-2015.
- Worked as Assistant Professor at College of Engineering,Thalassery from 12-9-2006 to 22-7-2015
- Worked as Lecturer at MES College of Engineering, Kuttippuram from 1-9-2005 to 11-9-2006
- Total service: 16 Years

Areas of Interest:

- Digital Image Processing
- Digital Signal Processing

Positions held:

- HoD in charge during 2018 - 2020
- Training and Placement Officer during 2016 - 2018
- Training Coordinator during 2015- 2016
- Staff Advisor – 2019 Admissions
- Staff Advisor – 2015 Admissions

Subjects Taught:

- Digital Image Processing, Signals and Systems, Logic Circuit Design, Responsible Engineering, Digital Electronics, Radar and Navigation, Control System Engineering, Network Theory, Electromagnetic Theory
- Logic circuit design lab, Communication lab, Electronic circuits lab, Electronic devices & circuits lab, Digital electronics lab.

Projects Guided:

- Design and development of multi parameter monitoring system for COVID -19 patients, 2020-21
- Detection and disabling of digital camera, 2019-20
- Vehicle detection and tracking using machine learning and hog, 2019-20
- Finger cursor: sixth sense technology, 2018-19
- Water quality monitoring system using wireless sensor network, 2018-19
- Robotic Gun, 2017-18

Publications:

- 'Iterative Minutiae Matching Algorithm for Latent Fingerprint Identification', International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 Volume 9, Issue 5, May -2021
- 'A Robust Unidirectional Face Recognition System with DRBF Algorithm', International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 Volume 9, Issue 5, May -2021
- 'Interpolation for the Removal of Random Valued Impulse Noise in Images', International Journal of Creative Research Thoughts (IJCRT), ISSN: 2320-2882, Volume 9, Issue 5 May 2021
- 'Survey of Seamless Vertical Handoff Schemes for WiFi/WiMAX Heterogeneous Network', International Journal of Science and Research (IJSR) ISSN: 2319-7064, Volume 10 Issue 3, March 2021
- 'A paradigm of Sixth Sense: Finger Cursor', International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICICT), IEEE 2019

Training Programmes Organised:

- Coordinator - National Conference on Microelectronics and Communication – 2016
- FDP on VLSI Design using CADENCE
- Workshop on Computer Vision

Training Programmes Attended:

- STTP on Biomedical Engineering at IIT, Madras
- STTP on RTL Design for Programmable Logic at NIELIT, Calicut
- FDP on Soft Computing theory and techniques at NIT, Calicut
- Faculty Development Programme at Teaching Learning Centre, IIT Madras
- Academic Leadership Program at IIM, Kozhikode
- STTP on Video and Image Analysis: Fundamentals and Advances at NIT, Goa
- Short course on Power & Control Equipment Familiarization at PETARC, Moolamattom
- Short course on Applied Digital Signal Processing at Indian Institute of Technology, Gandhinagar
- Short term Course on Fiber optic tests and measurements at NITTTR, Chandigarh
- FDP on 5G Technologies & IOT at GEC, Palakkad

Professional Body Memberships:

- Life Member - Indian Society for Technical Education (ISTE)