



Ms. Della Reasa Valiaveetil

Assistant Professor Electronics & Communications Engineering

Administrative Responsibilities

- Staff Welfare Committee
- Woman Empowerment Committee
- Admission
- NBA Program Coordinator
- S1 Faculty advisor

Education Summary

- PhD Pursuing from VELTECH University
- M.Tech in Communication Systems from Hindusthan College of Engineering & Technology, Anna University
- B.Tech in Electronics & Communication Engineering from Sahrdya College of Engineering & Technology, Calicut University

Employment History

Designation	Name of Organization	Duration	Experience in Years
AP	Nehru College of Engineering & Research Center	March 2012 to May 2013	1.2 Year

AP	IES College of Engineering	June 2013 to July 2018	5 Year
AP	Christ College of Engineering	Still Working	

FDP/Workshop

- Attended FDP on Antenna Application & Microwave design on January 15th 2022 to January 20th 2022. 2. Attended FDP on Emerging Trends & challenges in Low power VLSI design on 19/05/22 to 21/05/22.
- Attended online Workshop on Arduino Programming & Applications for Beginners from June 8th to June 13th 2022.
- Attended FDP on Emerging Trends & challenges in low power VLSI Design on 19/05/21 to 21/05/21.
- Attended FDP on Innovation Incubation & Research challenges in India on 21/06/21 to 25/06/21.
- Attended Workshop on Outcome based Education for Technical Institution on 14/02/2020 to 20/02/2020.
- Attended Workshop on ICT Enabled Teaching & learning on 06/07/2020 to 12/07/2020.

Industrial Training

- Undergone an Industrial training on advancement in biomedical equipment from SCTIMS.
- Attended industrial training on high performance computing from CDAC.

Resource person for FDP/add-ons

- Conducted a student outreach program to provide an insight about the advancing technology “Synapse” at St Mary’s H.S.S.
- Project External for Evaluating the main project at IES College of Engineering & presented the best project award.

Consultancy & Product Development

- Coordinated the production & sale of Glowing Rosary “Ruzare”, A

Rosary exhibition–sale was conducted at five different church. The response was overwhelming & sold more than 150 Rosary.

- Coordinated the production & sale of Star “Estrella” .

Paper Publication

- Della Reasa Valiaveetil, Kanimozhi T 2025,”Elephant herding optimized features based fast RCNN for classifying leukemia stages”,Technology and Health Care.33(1), 167-183.
- Della Reasa Valiaveetil, Kanimozhi T 2025,”Leukemia detection using SegNet and faster region-based convolutional neural network”,International Journal of Electrical & Computer Engineering (2088-8708) 15, no. 3 (2025): 3028.
- Della Reasa Valiaveetil, Kanimozhi T 2025,”LEDI-DRCNET: Leukemia disease Classification using Deep learning based Deep Dilated Residual Convolution Neural Network”,Journal of Electronics, Electromedical Engineering, and Medical Informatics .
- Della Reasa Valiaveetil, Kanimozhi T 2026,"LEON-NET: Leukemia Detection Using DeGoNet and DualTransAttNet with Blood Smear Images.”,World Conference on Computational Science and Technology (WcCST), Gharuan, India.pp. 175-180,
- Della Reasa Valiaveetil, T Kanimozhi 2023,“A Comprehensive Review on Leukemia Diseases Based on Microscopic Blood Cell Images”,Artificial Intelligence in Telemedicine, pp 1-11 .

Mooc Courses

6 courses on Coursera

- Introduction to Communication Science
- Introduction to the Internet of Things and Embedded Systems
- Introduction to Augmented Reality and ARCore
- AI For Everyone
- The Science of Well-Being
- Communication Strategies for a Virtual Age

Paper publication

- Published the paper title “ Bone fracture detection using Digital Image Processing” on International Journal for modern trends in Science & Technology,2021.
- Published the paper title “Non invasive Glucose Monitoring & Insulin Injector System” on An International Bilingual Peer Reviewed Refereed Research,2020.

Conference/Proceedings

- A comprehensive Review on Diagnosing & classification of Neoplastic proliferation in WBC on ICR CET21, July 2021.
- Automated CPR Machine using CAM Mechanism on ICR CET21, July 2021.
- Wrist fracture detection from X-RAY using DIP on ICR CET21, July 2021.