

Faculty Profile

Ms. Ruth Moly Benjamin

Assistant Professor,

Department of Computer Science and Engineering

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Academic Background

Degree	University	Year
Ph.D	Karunya Institute of Technology and Sciences (Deemed to be University)	Pursuing
MTech	Karunya Institute of Technology and Sciences (Deemed to be University)	2019
B.E	Birla Institute of Technology, Ranchi (Deemed University)	2017

Courses Taught

- VLSI
- Low Power VLSI
- Biomedical Engineering
- Microwave Devices and Circuits
- Signals and Systems

Research Interests

- Image Processing
- Digital Electronics
- VLSI Design
- Embedded Systems

Most recent Publications

PATENT

- ❖ Oshin Jacob, Susma Grace Varghese, Ruth Moly Benjamin, P. Subha Hency Jose, “A Non Voice Based Communication System and Method for Aiding the Paralyzed and Speech Impaired People”, 12th June 2020, Indian Patent Number – **202041023121**

JOURNALS AND CONFERENCES

- ❖ Ruth Moly Benjamin, D. Abraham Chandy, 2021, Survey on Adulteration in Food Products and Image Processing Techniques used for its Detection, *International Journal of Engineering Research & Technology*, Volume 10, Issue 02 (February 2021), pp 141-144
- ❖ Ruth Moly Benjamin, X. Anitha Mary, Deepika Nareti, B.Bavithra, “Labview Based Empirical Mode Type Signal Decomposition Algorithm For Non-stationary signals”, IEEE International Conference on Circuits and Systems in Digital Enterprise Technology, Conference Proceedings, 21-22 December 2018, pp 530-532
- ❖ Ruth Moly Benjamin, Deepika Nerati, X. Anitha Mary (2018), “Identification of Suitable Sensors and Design the Automotive Electronics for Real Time Applications”, STM Journals, *Current Trends in Information Technology*, 8(2)
- ❖ Reuben George Benjamin, F T Josh, Ruth Moly Benjamin, “Arduino Based Smart Automated Petrol Station”, *International Conference on Recent Scientific Research in Engineering and Technology*, Conference Proceedings, 22 March 2019, pp 100
- ❖ Ruth Moly Benjamin, Sahana Kannan, Greeshma K Gopi, Reuben George Benjamin, “Automated Petrol Pump”, *Journal of Student Research*, 15 December 2017

Significant Achievements

- University Rank Holder in M.Tech (Embedded Systems)
- Final Year Project Coordinator at North Malabar Institute of Technology, Kanhangad.
- Secured First Place in HACKATHON (Technical Presentation Competition) conducted by Harvard Medical School, USA and University of Leeds, UK in Karunya Institute of Technology and Sciences
- Secured Second Place in Tech Fest Competition conducted by Birla Institute of Technology, Oman held on 18th May 2017.
- Secured Academic Excellence Award in Class 12th AISSCE Exam
- Secured Best Outgoing Student Award for the Academic year 2012-13 by Indian School Nizwa, Oman
- Secured First Place in Quiz Competition conducted by Rotaract Club of Karunya Institute of Technology and Sciences, 2019