

FACULTY PROFILE

Name: Dr. Mary Reena K E	Address: Panthappallil (H), Pulikoor, Shiribagilu PO, Kasaragod-671124.
Designation: Associate Professor,	Email:maryreena@lbscek.ac.in, maryreenake@gmail.com
Department: ECE	Mobile: 9745306534

ACADEMIC QUALIFICATIONS

Doctoral (<i>Institute, year, Subject</i>)	NIT, Calicut, 2018, “Design of Networked Control System for Critical QOS and QOC requirements”
P.G.	NIT, Calicut, 2004, Instrumentation and Control
U.G.	MG University, 1994, Electronics and Communication Engineering
Other qualifications	

AREA OF INTEREST

Wireless networks, control over networks, Cognitive control, Machine Learning, Wireless network performance optimization using machine learning algorithms.

WORK EXPERIENCE

Teaching (<i>Period, position, Organization</i>)	1997-1998, Lecturer on contract- SoE, CUSAT 1998-2006 – Lecturer- LBSCE 2006-2007- Senior Lecturer, LBSCE
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	2007-2010- Assistant Professor, LBSCE 2010 onwards Associate Professor, LBSCE
Industry	1996-1997, Graduate Apprentice Trainee, Cochin Shipyard
Others	

RECENTLY TAUGHT COURSES

Computer Communication, Analog Communication Engineering, Wireless Sensor Networks, Antenna and Wave Propagation

OTHER RESPONSIBILITIES

KTU Coordinator, HOD (2007, 2011, 2015-17, 2019 January -2021 January), KTU Chairman for NDE, PSC Question Paper Setter

PUBLICATIONS (LATEST)

Peer Reviewed Science cited International Journals	<p>1) “A Flexible Control Strategy for Energy and Comfort Aware HVAC in Large Buildings”, Mary Reena K.E, Assoc. Prof., ECED, LBSCEK, Abraham T Mathew, Prof, EED, NIT, Calicut, and Lillykutty Jacob, Pfof., ECED, NIT, Calicut. Building and Environment (IF: 4.539), Elsevier, Volume 145, November 2018, Pages 330-342.</p> <p>2) “An Occupancy Based Cyber-Physical System Design for Intelligent Building Automation”, Mary Reena K.E, Assoc. Prof., ECED, LBSCEK, Abraham T Mathew, Prof, EED, NIT, Calicut, and Lillykutty Jacob, Pfof., ECED, NIT, Calicut. Special issue on Cyber-Physical Systems in Manufacturing and Service Systems, Mathematical Problems in Engineering, Volume 2015 (2015), Article ID 132182, pp. 1-15.</p>
Peer Reviewed Science cited International Conferences	<p>1) “Real Time Occupancy Based HVAC Control Using Interval Type-2 Fuzzy Logic System in Intelligent Buildings”, Mary Reena K.E, Assoc. Prof., ECED, LBSCEK, Abraham T Mathew, Prof, EED, NIT, Calicut, and Lillykutty Jacob, Pfof., ECED, NIT, Calicut. 12th IEEE</p>

	<p>International Conference on Industrial Electronics and Applications – ICIEA, 2017, June 18-20, 2017, Siem Reap.</p> <p>2) “Energy efficient wireless networked Building Automation System controlled by real occupancy”, Mary Reena K.E, Abraham T Mathew, and Lillykutty Jacob TENCON 2015 - 2015 IEEE Region 10 Conference, Nov. 1-4, 2015, Maccao.</p>
Areas of Interest	Wireless Communication, Wireless Sensor Networks, Networked Control Systems, Internet of Things, Machine Learning.
Workshops/FDPs organized	<p>Coordinator -AICTE ATAL FDP on IoT during 11-15 Jan 2021</p> <p>Coordinator -AICTE ATAL FDP on IoT during 6-10 Sept 2021</p> <p>Coordinator - KTU FDP on LoRaWAN and IoT 7-9 July 2021</p>
Funded Projects/ R & D	Principal Investigator, KSCSTE student project - 2019-2020

Date: 8-06-2021

Signature: