

## FACULTY PROFILE

<b>Name: Dr. Mary Reena K E</b>	<b>Address: Panthappallil (H), Pulikoor, Shiribagilu PO, Kasaragod-671124.</b>
<b>Designation: Associate Professor,</b>	<b>Email:maryreena@lbscek.ac.in, maryreenake@gmail.com</b>
<b>Department: ECE</b>	<b>Mobile: 9745306534</b>
<b>ACADEMIC QUALIFICATIONS</b>	
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	
<b>AREA OF INTEREST</b>	
<b>Wireless Networks, Cognitive control, Communication Systems, Machine Learning, IOT</b>	
<b>WORK EXPERIENCE</b>	
Teaching ( <i>Period, position, Organization</i> )	1997-1998, Lecturer on contract- SoE, CUSAT 1998-2006 – Lecturer- LBSCE 2006-2007- Senior Lecturer, LBSCE

	2007-2010- Assistant Professor, LBSCE 2010 onwards Associate Professor, LBSCE
Industry	1996-1997, Graduate Apprentice Trainee, Cochin Shipyard
Others	
<b>RECENTLY TAUGHT COURSES</b>	
Digital Communication, Analog and Digital Communication, Control Systems, Computer Communication, Advanced Communication Systems	
<b>OTHER RESPONSIBILITIES</b>	
KTU Coordinator, HoD (2015-17, 2019-21), KTU Chairman, IEEE IES Student Chapter Advisor, Journal Reviewer - IEEE Systems Journal, Wiley Int. Journal of Energy Research, Wiley's Asian Journal of Control, Springer's Sadhana Journal	
<b>PUBLICATIONS (LATEST)</b>	
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 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, Macao.</p>
Funded Projects/ R & D	Principal Investigator, KSCSTE student project, 2020
Expert Lecturers Delivered	<p>1. Delivered an expert lecture on Networked Control Systems during FDP organized by EED, NIT, Calicut, in December 2018.</p> <p>2. Speaker in IEEE Intersociety Weekly Webinar Series on Machine Learning for IoT Devices, held on 23 June 2021</p> <p>3. Resource person of ATAL FDP on IoT enabled AI organized by ASIET, Kalady, on Cognitive IoT held on 15th September 2021.</p> <p>4. Resource person for FDP on "The Art of Writing Papers" at CET, Payyanur on 30/5/2023.</p>
FDPs organized	<p>1. Coordinator of 5 Day AICTE- ATAL FDP on IoT Framework Design and Customization during January 11-15, 2021</p> <p>2. Coordinator of 3 Day KTU sponsored FDP on LoRaWAN &amp; IoT Networks during July 14-16, 2021</p> <p>3.Coordinator of 5 Day AICTE- ATAL FDP on IoT Framework Design for Agriculture Sector during September 6-10, 2021</p>

Date: 21-06-2023

Signature: 