

### FACULTY PROFILE

<b>Name: Dr. Mary Reena K E</b>	<b>Address: Panthappallil (H), Pulikoor, Shiribagilu PO, Kasaragod-671124.</b>
<b>Designation: 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>	

**WORK EXPERIENCE**

Teaching (*Period, position, Organization*)

1997-1998, Lecturer on contract- SoE, CUSAT

1998-2006 – Lecturer- ECED, LBSCE

2006-2007- Senior Lecturer, ECED, LBSCE

2007-2010- Assistant Professor, ECED, LBSCE

2010 -2018 Associate Professor, ECED, LBSCE

2018 onwards Professor, ECED,LBSCE

Industry

1996-1997, Graduate Apprentice Trainee, Cochin Shipyard

Others

**RECENTLY TAUGHT COURSES**

Digital Communication, Analog and Digital Communication, Control Systems, Computer Communication, Advanced Communication Systems

**OTHER RESPONSIBILITIES**

KTU Coordinator, HoD (2015-17, 2019-21, 2024), 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

**PUBLICATIONS (LATEST)**

<p>Peer Reviewed Science cited International Journals</p>	<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>
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<p>Peer Reviewed Science cited International Conferences</p>	<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>
<p>Funded Projects/ R &amp; D</p>	<p>Principal Investigator, KSCSTE student project, 2020</p>

<p>Expert Lecturers Delivered</p>	<ol style="list-style-type: none"> <li>1. Delivered an expert lecture on Networked Control Systems during FDP organized by EED, NIT, Calicut, in December 2018.</li> <li>2. Speaker in IEEE Intersociety Weekly Webinar Series on Machine Learning for IoT Devices, held on 23 June 2021</li> <li>3. Resource person of ATAL FDP on IoT enabled AI organized by ASIET, Kalady, on Cognitive IoT held on 15th September 2021.</li> <li>4. Resource person for FDP on “The Art of Writing Papers” at CET, Payyanur on 30/5/2023.</li> </ol>
<p>FDPs organized</p>	<ol style="list-style-type: none"> <li>1. Coordinator of 5 Day AICTE- ATAL FDP on IoT Framework Design and Customization during January 11-15, 2021</li> <li>2. Coordinator of 3 Day KTU sponsored FDP on LoRaWAN&amp;IoT Networks during July 14-16, 2021</li> <li>3.Coordinator of 5 Day AICTE- ATAL FDP on IoT Framework Design for Agriculture Sector during September 6-10, 2021</li> </ol>

Date: 21-06-2023 Signature: 