

Name of Faculty Dr. Sai Krishna Kondoju  
 Designation Assistant Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 24 - 06 - 2019  
 E-mail ksaikrishna\_ece@cbit.ac.in



**Education Qualifications**

	<b>Name of the Degree</b>	<b>Class</b>
Ph. D.	Doctor of Philosophy (ECE)	Awarded
PG	M. Tech. (ACS-ECE)	Completed
UG	B. Tech. (ECE)	Completed

**Work Experience**

Teaching	04 Years
Research	05 Years (Ph.D.)
Industry	--
Others	--
Area of Specialization	Wireless Communications, Computer Networks, Member IAENG ()
Professional Memberships	Fellow IETE (F 502947) Life Member ISTE (LM 134201)
Responsibilities held at Institution Level	--
Responsibilities held at Department Level	1. Internship Coordinator 2.
Research Guidance	1. Co-guide
Awards Received	--
Courses Handled at Under Graduate / Post Graduate Level.	Computer Networks, Data Communications, MIMO wireless communications, Control Systems, Fundamentals of Wireless Communications.
No. of Papers Published	National Journals – -- International Journals – 06 National Conference – -- International Conference – 03
Projects Carried out	--
Patents	--
Technology Transfer	--
Invited Speaker	--
No. of Books/Chapter Published with details	--
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Trainings ( <b>Attended and/or Organized</b> ).	<ol style="list-style-type: none"> <li>1. FDP on "Communication Skills, Modes &amp; Knowledge Dissemination" NITTT SWAYAM, July 2022.</li> <li>2. FDP on "Instructional Planning and Delivery" NITTT SWAYAM, July 2022.</li> <li>3. FDP on "Technology Enabled Learning &amp; Life Long Self Learning" NITTT SWAYAM, Feb 2023.</li> <li>4. FDP on "Student Assessment and Evaluation" NITTT SWAYAM, Feb 2023.</li> <li>5. Two-day seminar on "The Impact of 5G: Creating New Value Across Industries and Society" 37th National Convention of Electronics and Telecommunication Engineers, The Institute of Engineers India, 18 to 19 - 11 – 2022.</li> <li>6. FDP on "Disruptive Technologies in Electronics &amp; Communications" Organized by the Department of Electronics and</li> </ol>

Communication Engineering, Vidya Jyothi Institute of Technology (Autonomous) in collaboration with IETE Student Chapter from 22nd – 27th June 2020.

7. FDP on “Outcome Based Education and NBA Accreditation Process - UG” Organized by the Department of Electronics and Communication Engineering, Chaitanya Bharathi Institute of Technology (Autonomous) in collaboration with IETE Student Chapter from 28-05-2020 to 01-06-2020.
8. FDP on “Orientation Towards Technical Education and Curriculum Aspects”, NITTT SWAYAM, Feb 2022.
9. FDP on “Professional Ethics & Sustainability”, NITTT SWAYAM, Feb 2022.
10. FDP on “Inculcating Universal Human Values in Technical Education” organized by AICTE from 26-07-2021 to 30-07-2021.
11. FDP on “Optical Wireless Communication – An Enabling Technology for Next – Generation Networks” Organized by E&ICT Academy from 24-01-2022 to 02-02-2022.
12. FDP on “Advances in Next Generation Wireless Communications and Networks” organized by G. Pulla Reddy Engineering College from 27-06-2020 to 31-07-2020.
13. FDP on “Evaluation of IoT and its real time applications” organized by G. Pulla Reddy Engineering College from 27-06-2020 to 31-07-2020.

Details of Journal Publications/  
Conferences (National and  
International)

**International Conference :**

1. Sai Krishna Kondoju and Venkata Mani Vakamulla, "Multi user interference characterization of multiband OFDM UWB system in the presence of log-normal fading channels," 2016 International Conference on Advances in Computing, Communications and Informatics (ICACCI), Jaipur, India, 2016, pp. 466-471, doi: <https://10.1109/ICACCI.2016.7732089>.
2. Sai Krishna Kondoju and Venkata Mani Vakamulla, "Outage and average BER analysis of multiband OFDM UWB system with MRC/EGC receiver in log-normal fading channels," 2016 23rd International Conference on Telecommunications (ICT), Thessaloniki, Greece, 2016, pp. 1-5, doi: <https://10.1109/ICT.2016.7500400>.
3. Sai Krishna Kondoju, Venkata Mani Vakamulla and Ranjan Bose, "Exact BER analysis of DCM for multiband OFDM-UWB system over uncorrelated Nakagami-m fading channels," 2014 IEEE International Conference on Ultra-WideBand (ICUWB), Paris, France, 2014, pp. 473-478, doi: <https://10.1109/ICUWB.2014.6959028>.

**National /International Journal :**

1. Mounika Jammula, Venkata Mani Vakamulla and Sai Krishna Kondoju, “Artificial intelligence framework - based ultra -lightweight communication protocol for prediction of attacks in Internet of Things environment” Transactions on Emerging Telecommunications Technologies, John Wiley & Sons, Ltd., Vol.34, Issue.1, Pp. 1-17, November 2022. doi: <https://doi.org/10.1002/ett.4680>.
2. Mounika Jammula, Venkata Mani Vakamulla and Sai Krishna Kondoju, “Hybrid lightweight cryptography with attribute-based encryption standard for secure and scalable IoT system”, Connection Science, Taylor & Francis, Vol.34, Issue.1, Pp. 2431-2447, Sep 2022. <https://doi.org/10.1080/09540091.2022.2124957>.
3. Mounika Jammula, Venkata Mani Vakamulla, Sai Krishna Kondoju, “Performance evaluation of lightweight cryptographic algorithms for heterogeneous IoT environment”, Journal of Interconnection Networks, World Scientific, Vol.22, Issue.1, Pp.1-21, January 2022. doi: <https://doi.org/10.1142/S0219265921410310>.
4. Sai Krishna Kondoju and Venkata Mani Vakamulla, “Closed-Form Analysis of Various Diversity Techniques for Multiband OFDM UWB System Over Log-Normal Fading Channels”, Wireless Personal Communications, Springer US, Vol. 109, Issue.3, Pp. 1781-1803, Sept. 2019. doi: <https://doi.org/10.1007/s11277-019-06652-z>.
5. Sai Krishna Kondoju and Venkata Mani Vakamulla, “Outage and BER analysis of dual-carrier modulation over frequency-selective Nakagami-m fading channels”, COMPEL-The international journal for computation and mathematics in electrical and electronic engineering, Emerald Publishing Limited, Vol.36, Issue.1, Pp.90-107, March 2017.