Name of Faculty	Dr. D. SRIKAR
Designation	Assistant Professor
Nature of Job/Appointment	Regular
Date of Joining	15 - 02 - 2023
E-mail	Srikard_ece@cbit.ac.in

Education Qualifications	**Name of the Degree**	**Class**
Ph. D	Doctor of Philosophy (ECE), 2021 NIT Warangal	Awarded (Full Time)
PG	M. Tech. (Communication and Networks), 2017 NIT Rourkela	Distinction
UG	B. Tech. (ECE), 2014 Sri Venkateswra University, Tirupati	Distinction

Work Experience

Teaching	1.5 Years
Research	04 years
Industry	--
Others	--

Area of Specialization	Antenna design for cognitive radio applications, MIMO antennas, circularly polarized antennas, reconfigurable antennas
Professional Memberships	Indian Society for Technical Education - ISTE M. No. LM 134594
Responsibilities held at Institution Level	--
Responsibilities held at Department Level	1. Prepared coarse description for PBL lab 2. Involved in NBA work (Faculty Publications) at IARE
Research Guidance	--
Awards Received	Reviewer of Microwave and Optical Technology Letters, Circuit World, etc.
Courses Handled at Under Graduate / Post Graduate Level.	Electromagnetic Waves and Transmission Lines, Control Systems, Probability Theory and Stochastic Process
No. of Papers Published	National Journals – -- International Journals – 05 (SCIE) National Conference – -- International Conference – 04
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 (**Attended and/or Organized**).

1. Completed a short term course on “Design and Simulation of Antennas and Microwave Devices”, which was conducted by Dept. of ECE at NIT Rourkela from 01st – 08th June 2016
2. Conducted a guest lecture on “Spectrum Utilization Efficient Antennas for Cognitive Radio Applications” on 30 November 2021 at IARE, Hyderabad.
3. Participated in a one week FDP on “Information Theory and Coding Applications” organized by the E & ICT Academy at Dept. of ECE, NIT Warangal from 21st-26th November, 2018.
4. Participated in a one week Faculty Development Program on “Machine Vision Using NI LabView” organized by Dept. of ECE at IARE from 26 July 2022 to 01 August 2022.

5. Participated in a 40-hour Online Faculty Development Programme on “Low Power VLSI Design”, organized by the E & ICT Academy, NIT Warangal and IARE Hyderabad from 20 March 2022 to 07 April 2022.
6. Participated in the National Level Workshop on “Next Generation Communications”, organized by Dept. of ECE, JNTUH on 22nd and 23rdApril, 2022.
7. Participated in a 40-hour Online Faculty Development Programme on “Role of Technology in Communication Systems”, organized by the E & ICT Academy, NIT Warangal and IARE Hyderabad from 02 November 2021 to 14 November 2021.

Details of Journal Publications/ Conferences (**National and International**)

International Conferences:

1. D. Srikar and S. Anuradha, “A Low Profile and Compact UWB Antenna for Wireless Communication Applications,” International Conference on Microwave Integrated Circuits, Photonics and Wireless Networks (IMICPW), NIT Trichy, March 22-24, 2019. (IEEE Proc.)
2. D. Srikar and S. Anuradha, “A Compact Super wideband Antenna for Wireless Communications,” International Conference on Computing Communication and Networking Technologies (ICCCNT), IISc Bengaluru, Jul 10-12, 2018. (IEEE Proc.)
3. D. Srikar and S. Anuradha, “A Compact 3 Port Integrated Wideband Sensing Antenna and Narrow Band Antennas for Cognitive Radio Applications , PIERS, Rome, Italy, 2019. (IEEE Proc.)
4. D. Srikar, S. K. Behera “Design of compact half mode substrate integrated waveguide filters for X-band and Ku band applications” International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET), Chennai, 2017. (IEEE Proc.)

International Journals :

1. D. Srikar and S. Anuradha, “Twelve port MIMO antenna with polarisation diversity for cognitive radio applications”, Electronics Letters, Vol. 55, no. 22, pp. 1165–1168, 2019. (SCIE-IET)
2. D. Srikar and S. Anuradha, “A Compact Six port Antenna for Better Spectrum Utilization Efficiency in cognitive radio applications”, International Journal of RF and Microwave Computer-Aided Engineering, Vol. 30, no. 10, 2020. (SCIE-Wiley)
3. D. Srikar and S. Anuradha, “A New Two-Element MIMO Antenna System for Cognitive Radio Applications”, Circuit World, Vol. 48, no. 1, 2022. (SCIE-Emerald Publishing)
4. D. Srikar, A. Nella, R. Mamidi, A. Babu, S. Das, S. Lavadiya, AD Algarni, and W. El-Shafai, “A Novel Integrated UWB Sensing and 8-Element MIMO Communication Cognitive Radio Antenna System”, *Electronics, Vol. 12, no. 2*, 2023. (SCIE-MDPI)
5. S. S. Rao, R. D. B. Joseph, V. D. Chintala, S. Gopi Krishna, D. Srikar, B. R. Nistala, "Analog/RF Performance of Triple Material Gate Stack-Graded Channel Double Gate-Junctionless Strained-silicon MOSFET with Fixed Charges" *Silicon, Vol. 14, 2022.* **(SCIE-Springer**).