FACULTY PROFILE		
Staff Name	:	LINGESHWARAN M
Faculty ID	:	TEC49 (3123412)
Vidwan ID	:	https://vidwan.inflibnet.ac.in//profile/433814
Image	:	
Publons ID	:	https://www.webofscience.com/wos/author/record/AAH-7638-2020
Scopus ID	:	https://www.scopus.com/authid/detail.uri?authorId=57105559900
ORCiD ID	:	https://orcid.org/0000-0002-5372-1448
Google Scholar ID	:	https://scholar.google.com/citations?user=R42B6UoAAAAJ
LinkedIn ID	:	https://www.linkedin.com/in/lingeshwaran-murugasamy-17651ba7
Designation	:	Assistant Professor
Qualification	:	B.E., M.E., (Ph.D.)
Teaching Experience	:	9 years 6 months
Area of Specialization	:	Periodic Structures (Frequency Selective Surfaces), Antennas, and 5G/6G E2E Test Bed Setup
Subjects Handled	:	5G Communication Technology Antennas and Microwave Engineering Transmission Lines and RF Systems Radar and Navigational Aids Wireless Networks
Books Published	:	-
Journals Published	:	1. **Lingeshwaran Murugasamy**, and Ramprabhu Sivasamy, "A Single Layer Interdigitated Loop Elements-Based Miniaturized Frequency Selective Surface for WLAN Shielding," in IEEE Transactions on Consumer Electronics, vol. 70, no. 1, pp. 617-626, Feb. 2024, doi: 10.1109/TCE.2024.3358177. 2. **Lingeshwaran Murugasamy**, and Ramprabhu Sivasamy, "A Novel Fractal Inspired Iterated Four-Legged Loaded Loop Elements Based 2.5-D Miniaturized Frequency Selective Surface," in IEEE Transactions on Electromagnetic Compatibility, vol. 63, no. 6, pp. 2164-2167, Dec. 2021, doi: 10.1109/TEMC.2021.3095168.

		3. Ramprabhu Sivasamy, **Lingeshwaran Murugasamy**, Malathi Kanagasabai, Esther Florence Sundarsingh, M Gulam Nabi Alsath, "A Low-Profile Paper Substrate-Based Dual-Band FSS for GSM Shielding," in IEEE Transactions on Electromagnetic Compatibility, vol. 58, no. 2, pp. 611-614, April 2016, doi: 10.1109/TEMC.2015.2498398.
Conference /Workshop Attended	:	1. M.S. Yazhini, Vaddi Sri Rama Gayathri, **Lingeshwaran Murugasamy**, Ramaprabhu Ramasamy, "5G mm Wave Shielding with Frequency Selective Surface Employing Centre Offset Swastika Loop Element," 2024 IEEE International Conference on Smart Power Control and Renewable Energy (ICSPCRE), Rourkela, India, 2024, pp. 1-5, doi: 10.1109/ICSPCRE62303.2024.10674803. 2. Sai Yoogeswaran Damodaran, Sivayogarajan Lakshmanakumar, **Lingeshwaran Murugasamy**, Ramprabhu Sivasamy, "Examination and Development of Frequency Selective Surface with Bandstop Properties in n3 Band," 2024 IEEE International Conference on Smart Power Control and Renewable Energy (ICSPCRE), Rourkela, India, 2024, pp. 1-5, doi: 10.1109/ICSPCRE62303.2024.10675031.
Patent Details	:	1. Dr. Shreekant Salotagi, Mr. Narender Chinthamu,Indu Bhardwaj, Dr. M. Sabarish, Dr. Rakesh Kumar Yadav, **Mr. M. Lingeshwaran**, G Mahesh Kumar, Ms. S. Jacqulin Veda Jancy, Dr. K. Sivanandam, and Mrs. M Rohitha - "NEXT-GENERATION TELECOMMUNICATION NETWORK INFRASTRUCTURE FOR LOW-LATENCY DATA TRANSMISSION" -Application No. 202441033837 -Published (2024). 2. Dr. S. Ramprabhu and **M. Lingeshwaran** - "Fractal Inspired Loop Elements Based 2.5-D Miniaturized Frequency Selective Surface" - Application No. 202241029873 - Published and FER Filed (2023).
Funded Project Details	:	1. Project titled "**Domestic Emotion Monitoring System (DEMS)**" carried out by Charan Velavan, Ebi Manuel, Benie Jaison A T, Akshay B, and Vishal S under the mentorship of **Mr. M. Lingeshwaran** received STM32 BOARD STM32MP135F-DK and Arduino Expansion Header worth **Rs.16,450** for the

		participation in the finals of **Inventors Challenge 2023**, organized by All India Council for Technical Education (AICTE), Ministry of Education, India, ARM Education and STMicroelectronics during November 2023 and bagged the first position with **Rs. 50,000 Cash Prize** & **Rs.40,000** worth STM Development Boards. (National Level Winners: I Prize) 2. Project titled "**3D printed frequency selective surface for WLAN shielding**" carried out by Celestine Mary Letitia Justin and Harini Prabha B.J under the mentorship of **Mr. M. Lingeshwaran** received a sum of **Rs.7,500** from TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY under the STUDENT PROJECT SCHEME 2019-2020.
Industry Use Case PoC	:	Project titled "**BIRD's AI: Leveraging 5G/6G Use Cases for Vision-Assisted Drone-Based Search and Rescue Operations in Disaster Management**", carried out by Charan Velavan, Ebi Manuel S R, Motheeswaran K, and Akshay B under the mentorship of **Mr. M. Lingeshwaran** bagged first position in the **Nokia Bangalore University Collaboration (NBUC) Ideathon 2024**.
Consultancy	:	Mr. M. Lingeshwaran, Assistant Professor/ECE, served as a **5G consultant** to **DADB - German Academy of Digital Education** for the **Andhra Pradesh State Skill Development Corporation (APSSDC)** sponsored **"5G Communication Technology"** course, and delivered hands-on training on "Harnessing the Power of Open Source Frameworks for 5G Testbed Deployment" at various institutions across Andhra Pradesh and received a **consultancy fee** of **Rs.1,38,000**.
Industry Certifications	:	1. 5G Introductory-Level Certification from Qualcomm Wireless Academy (2024) 2. 5G Fundamentals with MATLAB from Mathworks Training Services (2024)
Membership in Professional Societies	:	ISTE Life Member IEEE GS Member