

FACULTY PROFILE FORMAT (Format 3)		
Staff Name	:	Dr. B Victoria Jancee
Faculty ID	:	TEC03
Designation	:	Associate Professor
Qualification	:	M.E., Ph.D
Teaching Experience	:	31 years and 3 months
Area of Specialization	:	RF and Microwave, Wireless Sensor Networks
Subjects Handled	:	<ol style="list-style-type: none"> <li>1. Communication Engineering</li> <li>2. RF and Microwave Engineering</li> <li>3. Linear Integrated circuits</li> <li>4. Digital Principles and system Design</li> <li>5. Electromagnetic Fields</li> <li>6. Transmission Lines and RF Systems</li> <li>7. Wireless Sensor Networks</li> <li>8. Transducer Engineering</li> <li>9. Antennas and Microwave Engineering</li> </ol>
Books Published	:	-
Journals Published	:	<p><b>International Journal</b></p> <ol style="list-style-type: none"> <li>1. <b>Victoria Jancee, B &amp;</b> Radha S ‘Online Detection of Change on Information Streams in Wireless Sensor Network Modeled Using Gaussian Distribution’, Modelling and Simulation in Engineering, 2014, Article ID 658302, 8 pages, <a href="http://dx.doi.org/10.1155/2014/658302">http://dx.doi.org/10.1155/2014/658302</a>, Print ISSN:1687-5591, E-ISSN: 1687-5605, Hindawi Publishing Corporation, United States, Sl.No. 13404, Annexure – II.</li> <li>2. <b>Victoria Jancee, B,</b> Radha, S &amp; Nandita Das, ‘Analysis of non-binary fault tolerant event detection in Wireless Sensor Networks’, International Journal on Smart Sensing and Intelligent Systems, vol. 7, no. 3, September 2014, pp. 1287-1309, Print ISSN: 1178-5608, Massey University, New Zealand, Sl.No. 9493, Annexure – II.</li> <li>3. Nandita Das, <b>Victoria Jancee, B &amp;</b> Radha, S ‘Distributed Fault-tolerant event detection for non-symmetric errors in wireless sensor networks’, International Journal on Soft Computing, Artificial Intelligence and Applications (IJSCAI), vol.3, no.2, May 2014, pp.27-38. [Print ISSN: 2319-4081, E-ISSN: 2319-1015].</li> <li>4. Devipriya, S., <b>Martin Leo Manickam, J., Victoria Jancee, B.,</b>”Energy-efficient semi-supervised learning framework for subchannel allocation in non-orthogonal multiple access systems”, <i>ETRI Journal</i>, 2023</li> </ol>

<p><b>Conference /Workshop Attended</b></p>	<p>:</p>	<ol style="list-style-type: none"> <li>1. FDP on “Advanced Informative and Emerging trends in Teaching and Research” during 24-30 August 2024, organized by the Research foundation of India.</li> <li>2. FDP on “R Programming for Budding Data Analysts” during June 9 - 18 , 2024, organized by the Research foundation of India.</li> <li>3. Five day Faculty Development Program (FDP) on (Online mode) Antenna Design for Next Generation Wireless Communications during 4 th December to 8th December 2023, organized by the department of Communication Engineering, School of Electronics, Vellore Institute of Technology, Vellore.</li> <li>4. FDP on “Machine Learning Approaches for Engineering Applications” organized by the department of CSE , Prathyusha Engineering College, Chennai, 27.12.2022 to 31.12.2022.</li> <li>5. FDP on “Embedded System design using INTEL SOC FPGAs” organized by the department of ECE, SSN College of Engineering, Chennai, 01.02.2022 to 05.02.2022</li> <li>6. Virtual National workshop on Research Scopes in Remote Sensing during 24.06.2020 to 26.06.2020 organized by the department of ECE, St.Joseph’s College of Engineering, Chennai -119.</li> <li>7. FDP on “Evolutionary Optimization Techniques” during 15.06.2020 to 17.06.2020 organized by the department of EEE, SSN College of Engineering, Kalavakkam.</li> <li>8. Online FDP on Electron Devices, Microprocessors and Image Processing, Department of EIE, SRM Valliammai College Of Engineering, Kattangulathur, 11.05.2020 - 15.05.2020</li> <li>9. Webinar on Biomedical Applications of Fiber Bragg Grating Sensors, IE(I) Kattankulathur, Local centre, SRM Institute of Science &amp; Technology, 18.05.2020</li> </ol>
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<b>Patent Details</b>	:	<ol style="list-style-type: none"> <li>1. Skin disease identification system and a method thereof, 14/06/2019.</li> <li>2. An IOT based rain water quality monitoring system, 07.01.202</li> <li>3. Automated technology to ensure the cleanliness of garbage management and classification of dry and wet, 12/01/2024</li> <li>4. INTERNET OF THINGS based smart traffic signal monitoring system for city, 19/07/2024</li> <li>5. IOT- enabled smart city traffic management system, 20.09.2024</li> </ol>
<b>Funded Project Details</b>		Modernisation and development of VLSI design lab for the integration of Image Processing, DSP and IOT applications, funded by AICTE, Amount sanctioned: RS.13,67,000/- , Duration : 2017 to 2019.