


FACULTY PROFILE FORMAT (Format 3)		
Staff Name	:	Dr. B Victoria Jancee
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Image		
Publon ID		https://www.webofscience.com/wos/author/record/AAH-7286-2020
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Designation	:	Associate Professor
Qualification	:	M.E., Ph.D
Teaching Experience	:	31 years and 7 months
Area of Specialization	:	RF and Microwave, Wireless Sensor Networks
Subjects Handled	:	<ol style="list-style-type: none"> 1. Communication Engineering 2. RF and Microwave Engineering 3. Linear Integrated circuits 4. Digital Principles and system Design 5. Electromagnetic Fields 6. Transmission Lines and RF Systems 7. Wireless Sensor Networks 8. Transducer Engineering 9. Antennas and Microwave Engineering
Books Published	:	-
Journals Published	:	International Journal <ol style="list-style-type: none"> 1. Victoria Jancee, 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, http://dx.doi.org/10.1155/2014/658302, Print ISSN:1687-5591, E-ISSN: 1687-5605, Hindawi Publishing Corporation, United States, Sl.No. 13404, Annexure – II.

	<ol style="list-style-type: none"> 2. Victoria Jancee, B, Radha, S & 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. 3. Nandita Das, Victoria Jancee, 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]. 4. Devipriya, S., Martin Leo Manickam, J., Victoria Jancee, B.,”Energy-efficient semi-supervised learning framework for subchannel allocation in non-orthogonal multiple access systems”, <i>ETRI Journal</i>, 2023 5. Subramanian Sumithra, Moorthy Radhika, Gandavadi Venkatesh, Babu Seetha Lakshmi, Balraj Victoria Jancee, Nagarajan Mohankumar, Subbiah Murugan., “Deep learning for infectious disease surveillance integrating internet of things for rapid response”, International Journal of Electrical and Computer Engineering (IECE), Vol. 15, No. 1, February 2025, pp 1175 - 1186. <p>Conference Publications:</p> <ol style="list-style-type: none"> 1. Stella, I.J., Jancee, B.V., “Investigations on Channel Characteristics and Range Prediction of 5G mm Wave (39 GHz) Wireless Communication System”, Lecture Notes in Networks and Systems, 2023, 689 LNNS, pp. 385-399. 2. Latha, P., Kaviyarasan, K., Leo Manickam, J.M., Jancee, B.V., Aghalya, S., Reconfigurable Fault Current Detection System Using IoT, 2023 2nd International Conference on Edge Computing and Applications (ICECAA)2023, pp. 1390–1395. 3. Jancee, B.V., Kalaiselvi, S., Muthukumaran, K., Bhaskar, K.V., Vampire Attack Detection by Applying Support Vector Machine Algorithm in Wireless Sensor Network, 2nd International Conference on Edge Computing and Applications (ICECAA), 2023, pp. 213–217. 4. Akila, T., Menaka, M., Vasanth, P., Victoria Jancee, B.,Forecasting Naturally Occurring Forest Fires using AI and Machine Learning in Wireless Sensor Networks, 5th International Conference on Inventive Research in Computing Applications (ICIRCA), 2023, pp. 498–502. 5. Loganathan, S., Victoria Jancee, B., Senkamalavalli, R., Subbu Lakshmi, T.C., Gray Wolf Optimization Algorithm to Enhance Data Aggregation in Wireless Sensor Network, 5th International Conference on Inventive Research in Computing Applications (ICIRCA),2023, pp. 1164–1169. 6. Balamurugan A.M., Anitha G., Victoria Jancee B., Secured Header Authentication Design using Time Competent HMAC for Optical Burst
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		Switched Networks, International Conference on Communication and Electronics Systems (ICCES), 02 August 2021, pp. 311-315.
Conference /Workshop Attended	:	<ol style="list-style-type: none"> 1. Faculty Development Program on Unlocking the Potential of AI: Journey from Transformer Models to GenAI, Applications from Industry to Space, and the Evolving Threat Landscape at ST. JOSEPH'S COLLEGE OF ENGINEERING from 14/10/2024 to 26/10/2024. 2. FDP on “Advanced Informative and Emerging trends in Teaching and Research” during 24-30 August 2024, organized by the Research foundation of India. 3. FDP on “R Programming for Budding Data Analysts” during June 9 - 18 , 2024, organized by the Research foundation of India. 4. 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. 5. 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. 6. 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 7. 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. 8. FDP on “Evolutionary Optimization Techniques” during 15.06.2020 to 17.06.2020 organized by the department of EEE, SSN College of Engineering, Kalavakkam. 9. Online FDP on Electron Devices, Microprocessors and Image Processing, Department of EIE, SRM Valliammai College Of Engineering, Kattangulathur, 11.05.2020 -15.05.2020 10. Webinar on Biomedical Applications of Fiber Bragg Grating Sensors, IE(I) Kattankulathur, Local centre, SRM Institute of Science & Technology, 18.05.2020

		<p>11. Online FDP on JAVA and PYTHON in association with QIC, IIT Mumbai, organized by St. Joseph's College of Engineering, Chennai - 119, 22.05.2020 and 23.05.2020</p> <p>12. Workshop on Biological Effects of Electromagnetic Fields and Radiation, Department of ECE, St.Joseph's Institute of Technology, Chennai - 119, 12.12.2019 to 14.12.2019</p> <p>13. Faculty Development Programme on 'Cognitive Computing' FDPCC 2018, Department of Computer Science and Engineering, SRM Institute of Science and Technology, Kattankulathur, 23.10.2018 to 27.10.2018.</p> <p>14. Session chair on Signal Processing, "2 nd International Conference on Recent Advances in Electrical, Electronics, Ubiquitous Communication and Computational Intelligence (RAEEUCCI - 2023), Technically Co-sponsored by the IEEE, held from 19 - 21 April, 2023, organized by the department of Electronics and Communication Engineering, SRMIST, Kattankulathur.</p> <p>15. Session chair of the International Conference on Recent trends in Electrical, Electronics, and Communication Engineering (ICRTEECE - 2024), held on 15th May, 2024, organized by the department of Electronics and Communication Engineering and Electrical and Electronics Engineering, St.Peter's College of Engineering and Technology, Chennai.</p>
Patent Details	:	<p>1. Skin disease identification system and a method thereof, 14/06/2019.</p> <p>2. An IOT based rain water quality monitoring system, 07.01.2022</p> <p>3. Automated technology to ensure the cleanliness of garbage management and classification of dry and wet, 12/01/2023</p> <p>4. INTERNET OF THINGS based smart traffic signal monitoring system for city, 19/07/2024</p> <p>5. IOT- enabled smart city traffic management system, 20.09.2024</p>
Funded Project Details		<p>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 : 2018 to 2020.</p>