| **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** | : | 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**   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. 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.](https://www.scopus.com/authid/detail.uri?authorId=24466992300), [**Victoria Jancee, B.**](https://www.scopus.com/authid/detail.uri?authorId=56593127300)**,”**Energy-efficient semi-supervised learning framework for subchannel allocation in non-orthogonal multiple access systems”, [***ETRI Journa***](https://www.scopus.com/authid/detail.uri?authorId=56593127300#disabled)l, 2023 |
| **Conference /Workshop Attended** | : | 1. FDP on “Advanced Informative and Emerging trends in Teaching and Research” during 24-30 August 2024, organized by the Research foundation of India. 2. FDP on “R Programming for Budding Data Analysts” during June 9 - 18 , 2024, organized by the Research foundation of India. 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. 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. 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 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. 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. 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 9. Webinar on Biomedical Applications of Fiber Bragg Grating Sensors, IE(I) Kattankulathur, Local centre, SRM Institute of Science & Technology, 18.05.2020 10. 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 11. 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 12. 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. 13. **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. 14. **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. |
| **Patent Details** | : | 1. Skin disease identification system and a method thereof, 14/06/2019. 2. An IOT based rain water quality monitoring system, 07.01.202 3. Automated technology to ensure the cleanliness of garbage management and classification of dry and wet, 12/01/2024 4. INTERNET OF THINGS based smart traffic signal monitoring system for city, 19/07/2024 5. IOT- enabled smart city traffic management system, 20.09.2024 |
| **Funded Project Details** |  | 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. |