Personal Details	DR. SARAVANA SELVAN DHEENA DHAYALAN
Academic Qualifications	PhD in Engineering (Graduated 2020) Multimedia University Master of Engineering in Embedded System Technologies (Graduated 2008) Anna University Chennai Bachelor of Engineering in Electrical & Electronic Engineering (Graduated 2002) Manonmaniam Sundaranar University
Administrative Duties	Final Year Project Coordinator, Faculty Quality Assurance and Curriculum Committee Secretary, Postgraduate Research Committee Member
Publications (last 5 years)	Saravana Selvan and Umayal "RF Powered ECG Monitoring System for Silent Ischemia Patient", International Journal of Emerging Trends in Engineering Research, ISSN 2347-3983,Vol. 8, Issue 7, July 2020, P3362-3367 (Scopus Indexed) Saravana Selvan and Umayal, “A Novel Dual Electrode and Gate Extended Doping-less TunnelFET for RF Energy Harvesting” 2019 4th International Conference and Workshops on Recent Advances and Innovations in Engineering (ICRAIE), Kedah, Malaysia, 2019, pp. 1-6, 27-29 Nov. 2019. (IEEE Xplore: 19 March 2020) Saravana Selvan, Goh Kooh Yik, Gobbi Ramasamy, Mukter Zaman, "Simulation of III-V material based steep slope Tunnel FET for RF Harvester Application", International Journal of Engineering Technology and Innovation, ISSN 2223-5329 ,Vol. 9, Issue 3, July 2019, P212 -227. (Science Citation Index Expanded) Saravana Selvan, Suen wei, Umayal, Gobbi Ramasamy, Mukter Zaman, " A novel dual electrode and gate engineered doping-less TFET for performance enhancement" ARPN Journal of Engineering and Applied Sciences, ISSN 1819-6608, Vol.14, Issue 4, February 2019, P814-821. (Scopus Indexed) Saravana Selvan, Suen wei, Umayal, Gobbi Ramasamy, Mukter Zaman, “An Enhanced Sensitivity RF Energy Harvester System Using Tunnel FET based Rectifier” International Journal of Engineering and Technology (UAE), ISSN 2227-524X, Vol. 7, Issue 4, 2018, P 2971-2976. (Scopus Indexed) Saravana Selvan, Suen wei, Douglas, Umayal, Gobbi Ramasamy, Mukter Zaman, "Design of RF to DC Rectifier Using Steep Slope Tunnel FET Device for RF Powered Systems" Journal of Engineering and Applied Sciences, ISSN 1816-949X, Vol.13, Issue 3, July 2018, P3232-3237. (Scopus Indexed) Saravana Selvan, Mukter Zaman, R. Gobbi & Hin Yong Wong “Recent advances in the design and development of radio frequency-based energy harvester for powering wireless sensors: a review” Journal of Electromagnetic Waves and Applications, ISSN: 0920-5071, Vol.32, Issue 15, July 2018, P1-25. (Science Citation Index Expanded)

	Sarmla Tharishny, Saravanan Selvan, Umayal, Pratap Nair, " Android based Smart House Control via Wireless Communication" International Journal of Scientific Engineering and Technology, ISSN:2277-1581, Volume No.5 Issue No.5, May 2016 pp: 323-325 Saravana Selvan, Pratap Nair, Umayal, "A Review on Photo Voltaic Mppt Algorithms" to International Journal of Electrical and Computer Engineering (IJECE) ISSN: 2088-8708, Vol. 6, No. 2, April 2016, pp. 567~582. (Scopus Indexed)
On-going Research	Design of TunnelFETs, Image Processing
Completed Research	Completed the research on design of "A Novel Dual Electrode and Gate Extended Doping-less TunnelFET for RF Energy Harvesting".
Research Grants	As a Principle Investigator, received an Internal grant amount of RM20,000 and publication fees of Rm 2000 from AIMST University. The Title of this Internal grant is Investigation of Tunnel FET for ultra-low power applications. Reference no: AURRB/1/2017/TK04/AIMST/02/21)-
Consultancy	
Awards	
Professional Membership	Member of IET (Institution of Engineering & Technology), Life Time Membership of ISTE (Indian Society of Technical Education),
Supervision	
Teaching	Electrical Circuits, Electronic Devices, Electrical AC & DC machines, Linear Integrated Circuits, Microprocessor & Microcontroller, VLSI Design
Areas of Expertise	Tunnel FET, RF Energy harvesting, VLSI
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