

FACULTY PROFILE



Ms. G.VIMALARANI, ME, (Ph.D)

Assistant Professor (SG)

ECE Department

Educational qualification – ME (APPLIED ELECTRONICS)

BE (INSTRUMENTATION AND CONTROL ENGINEERING)

Experience: 18 YEARS

Publications:

Publications in Journals & Patents

- A Patent titled ‘Secured Intelligent Vehicular Systems Using Wireless Sensor Networks’ published in The Patent Office Journal No. 36/2020 Dated 04/09/2020, Application No.202041034715 A
- A book chapter titled, ‘An Intelligent Internet of Medical Things with Deep Learning Based Automated Breast Cancer Detection and Classification Model’, published in Cognitive Internet of Medical Things for Smart Healthcare, Springerlink, Part of the Studies in Systems, Decision and Control book series (SSDC, volume 311), 2020. DOI - <https://doi.org/10.1007/978-3-030-55833-8>
- A Paper titled ‘An optimized assistive epileptic seizure detection system for human environmental conscientiousness’ 2020 Journal of Green Engineering, Vol. 10, Issue 1, January 2020
- A Paper titled ‘Tracking Control System For Autonomous Underwater Vehicle Using Mrac Technique’ International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 5, Issue 4, April 2016
- A paper titled “Application of Multiple Databases based on hand features in hand biometry” in Springer India 2015, Emerging Research in computing, information communication and Application. Pg 189-196 (September 2015).
- A Paper titled ‘Tracking Control System For Autonomous Underwater Vehicle Using Mrac Technique’ International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 5, Issue 4, April 2016

- A Paper titled “Modeling and Control of a Modular Multilevel Converter” is published in the “International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE)”, ISSN: 0976- 1353, Volume 13, Issue 1, Pp 462-467 in March 2015.
- A Paper titled “EEG Based Emotion recognition System Using MFDFA as Feature Extractor” is published in the IEEE Xplore Digital Library in April 2015.

Publications in Conference proceedings

- V R Prakash, V BeslinGeo;,R,Vijayasarithi,**G Vimalarani**Exploiting Localization Capability and Packet Transfer at Intermediate Nodes for Underwater Sensor Networks using Simulations, 2020 Third International Conference on Smart Systems and Inventive Technology (ICSSIT), IEEE Conference Proceedings.
- Sebastian .M and **G.Vimalarani**. CO2/O2 Trimming in optimum Boiler Operation, 5th International Conference on Science and Innovative Engineering Jawahar Engineering College, Chennai, May 4th 2015.
- Mithun Ashok and **G.Vimalarani**. Modelling and control of a modular Multilevel Converter, ICRRE, SKR Engineering College, Chennai, March 13th 2015.
- V.Prakash and **G.Vimalaranu**. Application of Multiple databases based on Hand features in Hand Biometry, Third International Conference On “Emerging Research In Computing, Information, Communication And Applications” - ERCICA-2015, July 31th 2015.
- Sananda Paul and **G.Vimalarani**. EEG Based Emotion Recognition System using MFDFA as Feature Extractor, International Conference RACE 2015, Hindustan University, March 18th and 19th -2015.
- Shanmugavalli .K and **G.Vimalarani**. Cameraless Surveillance System to detect &track Enemy Intrusion system, International Conference -ICICES 12, SA Engineering College, February 4th and 5th –2011
- AkshayaBhanu and **G.Vimalarani**.Non-Linear Adaptive Control For Boiler Turbine Units using LabVIEW, National Conference – ETCET 11, SVCET,VIRUDHUNAGAR, February 4th and 5th –2011