

FACULTYPROFILE



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Publications:

PublicationsinJournals& Patents

- A journal papertitled “Automatic diagnosis and detection of dental caries in bitewing radiographs using pervasive deep gradient based LeNet classifier model”, 2022 Microprocessors and Microsystems,2022, 94, 104654
- An International Patent titled “A System and Method for Delay-Aware Concurrent Data Management for Industrial IOT “has been granted, Application No. 2021106046 dated 19th Aug 2021.
- APatentitledSecuredIntelligentVehicularSystemsUsingWirelessSensorNetworks“publishedinThe PatentOfficeJournalNo.36/2020Dated04/09/2020,ApplicationNo.202041034715 A
- A book chapter titled, “ An Intelligent Internet of Medical Things with Deep Learning BasedAutomated Breast Cancer Detection and Classification Model“, published in Cognitive Internetof Medical Things for Smart Healthcare, Springerlink, Part of the Studies in Systems, Decisionand Control book series (SSDC, volume 311),2020. DOI - <https://doi.org/10.1007/978-3-030-558338>
- APapertitled, „Anoptimizedassistiveepilepticseizuredetectionsystemforhumanenvironmental conscientiousness“ 2020 Journal of Green Engineering, Vol. 10, Issue 1, January2020
- A Paper titled „Tracking Control System For Autonomous Underwater Vehicle Using MracTechnique“InternationalJournalofAdvancedResearchinElectrical,ElectronicsandInstrumentat ionEngineering, Vol. 5,Issue 4, April 2016
- A paper titled “Application of Multiple Databases based on hand features in hand biometry” inSpringerIndia2015,EmergingResearchincomputing,informationcommunicationandApplication.

Pg 189-196 (September 2015).

- A Paper titled „Tracking Control System For Autonomous Underwater Vehicle Using MracTechnique“InternationalJournalofAdvancedResearchinElectrical,ElectronicsandInstrumentationEngineering, 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, Pp462-467 in March 2015.
- A Paper titled “EEG Based Emotion Recognition System Using MFDDFA as Feature Extractor” is published in the IEEE Xplore Digital Library in April 2015.

Publications in Conference proceedings

- A Conference Paper titled “Automatic Sickle Cell Anaemia Detection Using Image Processing Technique” is published in Lecture Notes in Networks and Systems., 2022, 373, pp. 281–288
- A Conference Paper titled “Mathematical modeling and investigation on aluminium bronze MMC using ECM process” is published in Materials Today: Proceedings, 2021, 45, pp. 2121–2124.
- A Conference Paper titled “An Intelligent Internet of Medical Things with Deep Learning Based Automated Breast Cancer Detection and Classification Model” is published in Studies in Systems, Decision and Control [this link is disabled](#), 2021, 311, pp. 181–193
- A Conference Paper titled “Design of IoT Network using Deep Learning-based Model for Anomaly Detection” is published in Proceedings of the 5th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), I-SMAC 2021, 2021, pp. 216–220
- V R Prakash, V Beslin Geo, 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.Vimalarani. 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 MFDDFA 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
- Akshaya Bhanu and G.Vimalarani. Non-Linear Adaptive Control For Boiler Turbine Units using LabVIEW, National Conference – ETCET 11, SVCET, VIRUDHUNAGAR, February 4th and 5th –2011