

DC MEMBER-2 (Affiliated to Anna University)

M. KATHIRESH

Assistant Professor (senior grade)

Department of EEE

PSG College of Technology

Coimbatore – 641004

Mobile : 9843610033 Email Id: mkh.eee@psgtech.ac.in

Books Chapters

- Contributed a chapter titled, “**Effective Teaching in India**”, in the book **Innovative Teaching Practices for 4G Students**, IOR International Press, ISBN No. 978-93-88413-40-4.
- Contributed a chapter titled, “**Smart Meter: A Key Component for Industry 4.0 in Power Sector**” in the book titled, “**Internet of Things for Industry 4.0**”, Springer, 2019
- Contributed a chapter titled, “**Transmission Line Inspection Using Unmanned Aerial Vehicle**” in the book titled, “**Role of Edge Analytics in Sustainable Smart City Development: Challenges and Solutions**”, John Wiley & Sons, 2020.

Journal Papers

- Kathiresh Mayilsamy, Neelaveni Ramachandran, Vismitha Sunder Raj, “An Integrated Approach for Data Security in Vehicle Diagnostics Over Internet Protocol and Software Update Over the Air”, Computers & Electrical Engineering, Elsevier, Print ISSN: 0045-7906 E-ISSN:1879-0755, Volume 71, 2018.
- P Sweetey Jose, M Kathiresh, G Jims John Wessley, P Subha Hency Jose, E-Waste: Environmental Issues and Management - A Review, Indian Journal of Environmental Protection, Volume 39, Issue 10, Pages 954-958, 2019
- M. Kathiresh, M. Priya , “Wireless Patient Health Monitoring System using LabVIEW” International Journal of Emerging Technology in Computer Science & Electronics, ISSN: 0976-1353, Volume 22 Issue 2, MAY 2016.

Conference Papers

- Sangavi Chellam C,T, Sweetey Jose P, Kathires M,” Design and Performance Analysis of Fuzzy PID Controller in a Coupled –Tank Process” National Conference on Design, Testing, and Applications of Embedded & Power Electronics Systems, 2018, PSG College of Technology, Coimbatore
- Bavashree P, Kathires M,” Performance Evaluation of Real-Time Scheduling Algorithms for Multicore Electronic Control Units in Automotive Applications” National Conference on Design, Testing, and Applications of Embedded & Power Electronics Systems, 2018, PSG College of Technology, Coimbatore
- Kaushik S, Kathires M,” Performance Evaluation of Real-Time Scheduling Algorithms for Multicore Electronic Control Units in Automotive Applications Scalable and Intelligent Home Automation Using Internet of Things” National Conference on Design, Testing, and Applications of Embedded & Power Electronics Systems, 2018, PSG College of Technology, Coimbatore
- Thaarun K,V,A, Kathires M,” Development of Intelligent CCTV Surveillance System with Sound and Facial Recognition” National Conference on Design, Testing, and Applications of Embedded & Power Electronics Systems, 2018, PSG College of Technology, Coimbatore
- Vismitha S, Amutha P, Kathires M,” Survey on Cryptography and Steganography Techniques” National Conference on Design, Testing, and Applications of Embedded & Power Electronics Systems, 2018, PSG College of Technology, Coimbatore
- Jagadeesh S, Kathires M, “Simulation of Real World Driving Scenario based on Information from Google Maps using Vehicle Dynamics Model”, National Conference on Design, Testing, and Applications of Embedded & Power Electronics Systems, 2017, PSG College of Technology, Coimbatore.
- Shubin Babu, Kathires M, “Post Accident Assistance and Cloud based Driver Monitoring using On-Board Diagnostics”, National Conference on Design, Testing, and Applications of Embedded & Power Electronics Systems, 2017, PSG College of Technology, Coimbatore
- Jeevanantham R, Kathires M, “Automatic Steering Control System”, National Conference on Design, Testing, and Applications of Embedded & Power Electronics Systems, 2016, PSG College of Technology, Coimbatore.

- Ashok E D, Kathiresh M, “PACiS based Automation of SCADA for Substation using IEC61850”, National Conference on Design, Testing, and Applications of Embedded & Power Electronics Systems, 2016, PSG College of Technology, Coimbatore.
- Krithika S, Kathiresh M, “Development of Validation Tool for WiGig”, National Conference on Design, Testing, and Applications of Embedded & Power Electronics Systems, 2016, PSG College of Technology, Coimbatore.
- Priya M, Kathiresh M, “Wearable Sensor System Using ZigBEE with Fall Detection”, National Conference on Design, Testing, and Applications of Embedded & Power Electronics Systems, 2016, PSG College of Technology, Coimbatore.
- Srinath M, Kathiresh M, ‘Implementation of Fault Tolerant Scheduling Model for Multiprocessor Systems”, National Conference on Design, Testing, and Applications of Embedded & Power Electronics Systems, 2015, PSG College of Technology, Coimbatore.
- Stany Remigious J, Kathiresh M,” Vehicle Monitoring and Accident Detection using Bluetooth enabled OBD-II Devices and Android-based Smart Phones”, National Conference on Design, Testing, and Applications of Embedded & Power Electronics Systems, 2015, PSG College of Technology, Coimbatore.

Patents Taken/ Applied :

S. No.	Title of the Invention	Application No.	Status
1.	An Animal Deterrent Apparatus and A Method Thereof	201741028642 A	Published
2.	An online fuel measurement system and a device for achieving the same	201941035869A	Published