

DEPARTMENT OF SAFETY AND FIRE ENGINEERING

Research Publications 2021 – 2022

Name of faculty	Title of Paper Published in Journal/ conference Proceedings/ Books/Book Chapter Published	Name of Journal/Conference	Journal/Conference /Books/Book Chapter	Journal Index SCI/SCOPUS/UGC
Dr. Gnana Sheela K	Review of reduced-switch multilevel inverters for electric vehicle applications	International Journal of Circuit Theory and Applications, 49 (9), 3053-3110, 2021.	Journal	SCIE
	FPGA-Based Reduced Switch Novel Infinite-Level Inverter	Journal of Circuits, Systems and Computers, Vol. 30, No. 16, 2150302 (2021).	Journal	SCIE
	IoT based Indoor Safety Monitoring System for Covid 19	International Journal of Engineering Research and Technology, Volume. 10, Issue. 04,2022	Journal	
	IOT based Active Protection Smart Mask	International Journal of Engineering Research and Technology, Volume. 10, Issue. 04,2022	Journal	
	Mobile Robot for Gas Leakage Detection System in Pipelines	Handbook of Smart Materials, Technologies, and Devices: Applications of Industry 4.0. ISBN978-3-030-84204-8.	Book Chapter	SCOPUS
	Improved Security models in mobile vehicle networks	Handbook of Smart Materials, Technologies, and Devices: Applications of Industry 4.0. ISBN978-3-030-84204-8.	Book Chapter	SCOPUS
	Comparative Analysis of a Gradationally Controlled Voltage Inverter	Lecture Notes in Electrical Engineering	Book Chapter	SCOPUS
Mr. Stephy James	Design of Safety Zone and Optimal Risk identification of undesired Events	Process Integration and Optimization for Sustainability	Journal	SCOPUS

	During Loading and Unloading of LNG Terminal using TSA-GEO: a Hybrid Strategy			
Mr. Renju Raj	A Review of the Computational Fluid Dynamics Investigations on Fire Safety in Ships	Proceedings of the International Conference on Advances in Naval and Ocean Engineering (iCANOE '21)	Conference	
	Heat Transfer Investigations in Thermal Protective Clothing - A Review	Proceedings of the Second Virtual International Conference on Advanced Technologies and Research in Mechanical Engineering (VICATRME-22), ISBN: 978-81-956814-0-2, May 2022	Conference	

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