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Wireless Communication, Robotics, Internet of Things, Embedded Systems

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### **List of Publications**

1.	Mechanical Behavior of Synthetic/Natural Fibers in Hybrid Composites N Rajesh Jesudoss Hynes, R Sankaranarayanan, JP Senthil Kumar, ...1. Hybrid Fiber Composites: Materials, Manufacturing, Process Engineering, 129-146	2020
2.	Modern enabling techniques and adsorbents based dye removal with sustainability concerns in textile industrial sector-A comprehensive review NRJ Hynes, JS Kumar, H Kamyab, JAJ Sujana, OA Al-Khashman, Y Kuslu, ... Journal of cleaner production, 122636	2020
3.	Review of Statistical Analysis and Effects of Meditation on Mental Health and Cognitive Skill Development A Kamaraj, JS Kumar, CK Sundaram Indian Journal of Public Health Research & Development 11 (6), 22-29	2020
4.	Review on recent developments in braille system NRJ Hynes, DJJ Jebaraj, JS Kumar, S Immanuvel, R Sankaranarayanan AIP Conference Proceedings 2220 (1), 140064	2020
5.	Design of Space-Efficient Nano Router in Reversible Logic with Multilayer Architecture A Kamaraj, P Marichamy, JS Kumar, SS Nidhyananthan, CK Sundaram Design and Testing of Reversible Logic, 233-250	2020
6.	An artificial intelligence approach for enhancing trust between social IoT devices in a network JS Kumar, G Sivasankar, SS Nidhyananthan Toward Social Internet of Things (SIoT): Enabling Technologies ...	2020
7.	Physical Interaction and Control of Robotic Systems Using Hardware-in-the- Loop Simulation SKJ Perumal, S Ganesan Becoming Human with Humanoid-From Physical Interaction to Social Intelligence	2019
8.	Portable electronic braille devices–An overview NRJ Hynes, DJJ Jebaraj, JS Kumar, S Immanuvel, R Sankaranarayanan AIP Conference Proceedings 2142 (1), 140018	2019
9.	Cyber Profiteering in the Cloud of Smart things SS Nidhyananthan, JS Kumar, A Kamaraj Cybersecurity and Privacy in Cyber Physical Systems, 393	2019

10.	Evaluation of Internal Ballistics Properties of Naturally Aged Solid Propellant Rocket Motor JS KUMAR, M VENKANNA, BVP RAO, MRM BABU 31st International Symposium on Ballistics	2019
11.	A Review on Development of Deep Learning Architectures for Performing Various Analytical Tasks on Electronic Health Record Data DJRS Dr.J.Senthil Kumar, Mrs.K. Kamala Devi International Journal of Pure and Applied Mathematics 120 (6), 11115-11138	2018
12.	Development of Ensemble Based Deep Learning Architecture for Breast Cancer Classification and its Performance Comparison of Other Classification Methods Utilizing Electronic ... DJRS Dr.J.Senthil Kumar, Mrs.K. Kamala Devi International Journal of Pure and Applied Mathematics 120 (6), 11097-11113	2018
13.	Investigation of adaptive control of robot manipulators with uncertain features for trajectory tracking employing HIL simulation technique SKJ PERUMAL, SK Natarajan Turkish Journal of Electrical Engineering & Computer Sciences 25 (3), 2513-2521	2017
14.	INVESTIGATION OF TRAJECTORY TRACKING RECURRENT NEURAL CONTROLLER FOR ROBOT MANIPULATOR EMPLOYING HIL SIMULATION TECHNIQUE SKJ Perumal, SK Natarajan Journal of Electrical Engineering 16 (4), 459-466	2016
15.	INVESTIGATION OF TRAJECTORY TRACKING FRACTIONAL ORDER CONTROLLER FOR ROBOT MANIPULATOR EMPLOYING HIL SIMULATION TECHNIQUE SKJ Perumal, SK Natarajan Journal of Electrical Engineering 16 (4), 215-226	2016
16.	Implementation of vector field histogram based obstacle avoidance wheeled robot JS Kumar, R Kaleeswari 2016 Online International Conference on Green Engineering and Technologies ...	2016