**Dr.P.SIVASANKAR,**
Associate Professor,
Electronics Engineering  Department,
National Institute of Technical Teachers Training and Research, (Under MHRD, GoI),
Taramani, Chennai – 600 113.
Mobile No. 8778904218
Email: siva_sankar123p@yahoo.com, sivasankar@nitttrc.ac.in

## Publications in Last Five Years

1. Rathy G.A, KarthekeyaPerumal, Sivasankar P, and Gunasekaran K, published a paper on  "Estimation of SoC using SVM regression Technique for an efficient Electric Vehicle Battery Management System using c-RIO DAQ",  in the American journal of research, Vol. 5, Issue 6, 2020, pp. 89-103

2. P.Sivasankar and G.A.Rathy, published a paper on   " A Study on Charging Infrastructure and the Topologies of Fast Charging Techniques in Electric Vehicle" in the International Journal of Engineering Applied Sciences and Technology, Vol. 5, Issue 2, 2020, pp. 232-236

3. Sivasankar. P, John Deva Prasanna. D. S, John Aravindhar, Karthikeyan Perumal, published a paper on  "Reinforcement Learning Based Virtual Backbone Construction in MANET using Connected Dominating Sets" in the Journal of Critical Reviews, ISSN- 2394-5125 Vol 7, Issue 9, 2020, pp.146-152

4. Rathy G.A, Gunasekaran K, KarthekeyaPerumal, and Sivasankar P published a paper on  "IoT Based Smart Controlled Inverter"  in the International Journal of Computer Trends and Technology (IJCTT) – Volume 68 Issue 4 – April 2020

5. Sivasankar, P, Rathy, G.A. Aravid Balaji and Gunasekaran.K, "3 axis robot arm using micro-stepping with closed loop control" has been published in the proceedings of ICACCT 2019 International Conference held at NIT Kurushetra during 06.12.2019 and 07.12.2019 and received **Best Paper Award**. (Accepted for publishing in Springer Lect. Notes Electrical Eng., Vol. 668, Gurdeep Singh Hura et al. (Eds): Advances in Communication and Computational Technology, 978-981-15-5340-0, 482593_1_En, (Chapter 33))

6. Sivasankar, P, Rathy, G.A. and Gnanasambanthan, T, "Developing a knowledge structure using Outcome based Education in Power Electronics Engineering" has been published in the proceeding of 9th World Engineering Education Forum during 13th to 16th November 2019 (Accepted for publishing in Elsevier - Procedia Computer Science, article reference PROCS38782)

7. Rathy, G.A. and Sivasankar, P,  "IoT based Classroom Automation using Zigbee" has been published in Journal of International Journal of Innovative Science, Engineering & Technology, Vol. 6 Issue 3, March 2019 ISSN (Online) 2348 – 7968

8. Kothandaraman, D, Chellappan, C Sivasankar, P and Syed Nawaz Pasha "Context-Aware Energy Conserving Routing Algorithm for Internet of Things" has been published in International Journal of Computer Networks & Communications (IJCNC), Vol.11, No.3, 2019 ISSN: 0974-9322 [online] 0975-2293[Print]

9. Sivasankar. P, John Deva Prasanna. D. S, John Aravindhar. D, Amalanathan George. (2018). "Dual Connected Dominating Sets for load balancing in MANETS" has been published in Journal of Adv Research in Dynamical & Control Systems, Vol. 10, 03-Special Issue, 2018

10. L. Kavisankar, , C. Chellappan, , S. Venkatesan, P. Sivasankar "Enhanced Efficient SYN spoofing Detection and Mitigation Scheme for DDoS attack", has been published

in International Journal of Internet Technology and Secured Transactions (IJITST), 2018 Vol.8 No.4

11. Shankar, T., Karthikeyan, A., Sivasankar, P. and Rajesh, A, "Hybrid Approach for Optimal Cluster Head Selection in WSN using LEACH and Monkey Search Algorithms" has been published in Journal of Engineering Science & Technology (JESTEC), Vol. 12, Issue 2, February 2017.

12. Rathy, G.A. and Sivasankar, P, "Cascade Control Trainer using PID in Programmable Logic Controllers" has been published in International Journal of Electronics, Electrical and Computational System IJEECS, ISSN 2348-117X Volume 6, Issue 1, January 2017

13. Ruso, T., Chellappan, C., and Sivasankar, P, "Ppssm:push/pull smooth video streaming multicast protocol design and implementation for an overlay network", has been published in Multimedia Tools and Applications Springer Journal, Digital Object Identifier (DOI) 10.1007/s11042-015-2979-5, pp 1-23, October 2015

14. Shankar, T., Sivasankar, P., Karthikeyan., A. and Rajeev Ranjan Neha. "Implementation of Smart Sleep Mechanism and Hybrid Data Collection Technique for Maximizing Network Lifetime in WSN's", has been published in Indian Journal of Science and Technology, ISSN (Print) : 0974-6846, ISSN (Online) : 0974-5645, Vol. 8(S9), 1–8 Vol. 1, pp. 1-8, May 2015.

15. Sivasankar, P., Rathy, G.A. "Implementing Energy Efficient Strategies In The Manet On-Demand Routing Protocols And Comparing Their Performances", has been published in International Journal of Electrical and Electronics Engineering, ISSN 1694-2310, Special Issue 1, Vol. 2, EDIT 2015, pp. 128-131, 2015.

16. Sivasankar, P., Rathy, G.A. "Speed control of PMBLDC motor using LPC 2148-A Practical Approach", has been published in International Journal of Electrical and Electronics Engineering, ISSN 1694-2310, Special Issue 1, Vol. 1, EDIT 2015, pp. 128-131, 2015.