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1. Suryabhan Singh, V Anantha Narayanan, "Air Quality Monitoring System with Effective Traffic Control Model for Open Smart Cities of India" in the proceedings of Second International Conference on Advances in Electrical and Computer Technologies 2020 (ICAECT 2020) to be published as book chapter in Advances in Electrical and Computer Technologies, Lecture Notes in Electrical Engineering, Springer Publications 2021. (to be Scopus indexed)

2. Jigar Makhija Manohar, M Nakkeeran, V Anantha narayanan, “Detection of Vehicle Emissions through Green IoT for Pollution Control” in the proceedings of Intl Conf on Automation, SIgnal processing, Instrumentation and Control ICASIC 2020, to be published as book chapter in Advances in Automation, Signal processing, Instrumentation and Control, Lecture Notes in Electrical Engineering Vol 700, Springer Publications 2021. (to be Scopus indexed)

3. Anoop Chandra PR, V Anantha Narayanan, “Gear Prediction Using Unsupervised Machine Learning to Aid Driver Profile Detection And Correction” in the proceedings of Intl Conf on Automation, Signal processing, Instrumentation and Control ICASIC 2020, to be published as book chapter in Advances in Automation, Signal processing, Instrumentation and Control, Lecture Notes in Electrical Engineering Vol 700, Springer Publications 2021. (to be Scopus indexed)

4. Smile Manuel, J., Anantha Narayanan, V., Sethumadhavan, M, “.LoPT: LoRa penetration testing tool”, 2019 , International Journal of Innovative Technology and Exploring Engineering , (9 Special Issue 2) , 374-379 **(Scopus Indexed)**

5. Sode Pallavi, Anantha Narayanan V. An Overview of Practical Attacks on BLE based IoT Devices and their Security In the proceedings of 5th International Conference on Advanced Computing and Communication Systems (ICACCS) March 2019 PP-694-698 **(Scopus Indexed)**

6. S Arvind, Anantha Narayanan V. An Overview of Security in CoAP : Attack and AnalysisIn the proceedings of 5th International Conference on Advanced Computing and Communication Systems (ICACCS) March 2019 PP-655-660 **(Scopus Indexed)**

7. Anantha Narayanan V, C K Shyamala, C Shanmuga Velayutham T{h}inker for Engaging Learning Experience in Computational Thinking and Programming, in the proceedings of IEEE Global Engineering Education Conference (EDUCON) April 2019 PP-863-866 **(Scopus Indexed)**

8. Divya Bharathi P, Anantha Narayanan V, Bagavathi SIvakumar P, ""Fog Computing based Environmental Monitoring using Nordic Thingy : 52 and Raspberry Pi", in the proceedings of SSIC 2019 - Smart Systems and IoT:Innovations in Computing the Proceedings of SSIC 2019 to be published by Springer Singapore **(Scopus Indexed)**

9. Bhalaji Nagarajan, Valliappan S, Ananthanarayanan Velu, and Palaniappan Bagavathi Sivakumar, "Localization and Indoor Navigation for Visually Impaired using Bluetooth Low Energy" in the proceedings of SSIC 2019 - Smart Systems and IoT:Innovations in Computing the Proceedings of SSIC 2019 to be published by Springer Singapore **(Scopus Indexed)**

10. Sathish kumar S, Ananthanarayanan Velu, and Palaniappan Bagavathi Sivakumar, " Slow Speed Alert for Speed Breakers and Potholes using IoT and Analytics in the Context of Smart Cities" in the proceedings of SSIC 2019 - Smart Systems and IoT:Innovations in Computing the Proceedings of SSIC 2019 to be published by Springer Singapore **(Scopus Indexed)**

11. Narayanan VA, Shyamala CK, Velayutham CS. T {h} inker: A Physical Computing Tool Kit for Computational Thinking. In2018 IEEE 18th International Conference on Advanced Learning Technologies (ICALT) 2018 Jul 9 (pp. 298-300). IEEE. **(Scopus Indexed)**

12. Anantha Narayana V Bhuvaneshwari S, Enhanced Mutual Authentication Scheme for Cloud of Things, International Journal of Pure and Applied Mathematics 119 (15), 1571-1583, 2018.

13. Valliappan S, Sivakumar PB, Ananthanarayanan V. Efficient Real-Time Decision Making Using Streaming Data Analytics in IoT Environment. In International Conference on Advanced Computing Networking and Informatics 2019 (pp. 165-173). Springer, Singapore. [**Scopus Indexed**]

14. Anantha Narayana V Bhuvaneshwari S, Enhanced Mutual Authentication Scheme for Cloud of Things, International Journal of Pure and Applied Mathematics 119 (15), 1571-1583, 2018. [**Scopus Indexed**]

15. Birindha S, Ananthanarayanan V, Sivakumar PB. Smart Energy Management System Based on Image Analytics and Device Level Analysis. In Computational Vision and Bio Inspired Computing 2018 (pp. 705-721). Springer, Cham. [**Scopus Indexed**]

16. Sharad S, Sivakumar PB, Narayanan VA. The smart bus for a smart city - A real-time implementation. In2016 IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS) 2016 Nov 6 (pp. 1-6). IEEE. [**Scopus Indexed**]

17. Sasikumar R, Ananthanarayanan V, Rajeswari A. An intelligent pico cell range expansion technique for heterogeneous wireless networks. Indian Journal of Science and Technology. 2016 Mar;9(9):1-9. [**Scopus Indexed**]

18. Sharad S, Sivakumar PB, Ananthanarayanan V. An automated system to mitigate loss of life at unmanned level crossings. Procedia computer science. 2016, 92, pp. 404-409. [**Scopus Indexed**]