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D.Manoj Kumar Working as an Assistant Professor in the Department of ECE at SRMIST,Ramapuram. He obtained his Ph.d in Electronics and Communication Engineering in the area of specialization of VLSI-Cryptography from Bharath Institute of Higher Education & Research, Chennai, India during the year 2019. He did his M.Tech in Applied Electronics from St.Peter's Institute of Higher Education &Research, Chennai during 2012. He had his B.E in Electronics and Communication Engineering from Jerusalem College of Engineering, Anna University, Chennai during 2010. He has 9 years of teaching experience including 4 years of Research experience. He has published more than 8 papers both in International Conference and Journals to his credit. He is a Reviewer for various International Journals and acted as a Program Coordinator for International Symposium.

Areas of Research:

Cognitive Radio, TV White space, Wireless Communication, Mobile Computing, Network Security, IoT, Artificial Intelligence .

Selected Publications:

1. Manoj Kumar, D, Arthi, R., Aravindhan, C., Roch, A. A., Priyadarsini, K., & Deny, J. (2021). Traffic congestion control synchronizing and rerouting using LoRa. *Microprocessors and Microsystems*, 104048.
2. Arthi, R., Manojkumar, D., Abraham, A., Kishan, A. R., & Sattenapalli, A. (2022). Deep Learning Based Multi-Modal Biometric Security System Using Visible Light Communication. *WSEAS Transactions on Systems and Control*, 17, 34-41.
- 3 Manoj Kumar D,M., Nikhil, J. S., Tharun, M. S., Narayan, T. M., & Bhaskar, G. (2019, November). Reconfigurable Adaptive MemS Storage for Real Time Data Tuning. In *Journal of Physics: Conference Series* (Vol. 1362, No. 1, p. 012047). IOP Publishing.
4. Manoj Kumar, D, K. S., Durai, A. V., Vijayakumar, R., & Raju, Y. V. (2022, December). Underwater Wireless Transmission Using EESAR Routing Protocol. In *2022 6th International Conference on Electronics, Communication and Aerospace Technology* (pp. 621-626). IEEE.

5. Makala, B. P., Manoj Kumar, & Sirisha, B. L. (2022, December). Survey on automatic detection of diabetic retinopathy screening. In *2022 11th International Conference on System Modeling & Advancement in Research Trends (SMART)* (pp. 1214-1220). IEEE.
5. Neelakantam, H. K., Makala, B. P., Kommoju, P., Ogirala, D. S. R., Suneel, P. N., & Manoj Kumar . (2023, April). LTE and WLAN fair co-existence in unlicensed bands. In *2023 Second International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT)* (pp. 1-5). IEEE.
6. Arthi, R., Manoj Kumar. M., Vasu, C. B., Asan, R. A., & Pradeep, S. (2021). A Dual Authenticated Safety Vault for Cryopreservation Center. *Turkish Journal of Computer and Mathematics Education*, 12(9), 2378-2384.
7. Manoj Kumar , Sundhararajan, Mahalingam. (2015). VLSI implementation of high speed and low power blowfish crypto algorithm. 10. 9123-9127.
8. Manoj Kumar, Sundharajan, M. (2016). Improve high-performance by using of blowfish cryptographic algorithm on single-chip cloud computer. *Indian Journal of Science and Technology*, 9, 19.
9. Manoj Kumar. M., & Sundhararajan, M. (2015). VHDL Implementation Using Modified Blowfish Algorithm.

Awards:

1. Felicitated with International Best Researcher Award 2022 in recognition for the journal paper published in Elsevier by ISSN International Research Awards (IIRA-2022) in association with World Research Council on June 4th 2022.

Projects Undertaken:

1. Study about the Practical Functioning of Existing Traffic Light System – The Joint Commissioner of Police (Road Safety), Transport Department, Chennai Traffic Police, Chennai. (2019 - 2020)

Patents:

1. Machine Learning based oxygen Filter for Oxygen Tents” – Application number: 378271-001.
2. Thermal Imaging snake detection –Living Things Detection using Thermal Imaging in Agricultural field” – Application number: 202141061531 A.
3. A Smart system to stabilize tremor conditions with connected wearable wrist band and finger caps” – Application number: 202141051367

Book Published:

1. Biometric Systems: Dr. R. Arthi, Dr. G. Ramya, Dr. M. Vidhyalakshmi, Dr. D. Manoj Kumar.
(Scientific International Publishing House, ISBN: 978-93-94002-76-0)

Professional Bodies:

Member – IETE

Scopus Link:

<https://www.scopus.com/authid/detail.uri?authorId=56595298000>