

**Dr.BASKAR.S**

Associate Professor,

Department of ECE,

Karpagam Academy of Higher Education (Deemed to be University),

(Established Under Section 3 of UGC Act, 1956)

Pollachi Main Road, Eachanari Post,

Coimbatore - 641 021

Ph No: 9790198732

Email: [connectbaskar@gmail.com](mailto:connectbaskar@gmail.com)

Area of Specialization: VLSI, Deep learning, IoT, Wireless Sensor Networks

---

**Papers Publications in Journals / Conferences**

1. Shakeel, P. M., **Baskar, S.**, Fouad, H., Manogaran, G., Saravanan, V., & Xin, Q. (2020). Creating Collision-Free Communication in IoT with 6G Using Multiple Machine Access Learning Collision Avoidance Protocol. Mobile Networks and Applications, 1-12. (*SCI*)
2. Shakeel, P. M., **Baskar, S.**, Fouad, H., Manogaran, G., Saravanan, V., & Montenegro-Marin, C. E. (2020). Internet of things forensic data analysis using machine learning to identify roots of data scavenging. Future Generation Computer Systems. (*SCI*)
3. Manogaran, G., Srivastava, G., Muthu, B. A., **Baskar, S.**, Shakeel, P. M., Hsu, C. H., ... & Kumar, P. M. (2020). A Response-aware Traffic Offloading Scheme using Regression Machine Learning for User-Centric Large-Scale Internet of Things. IEEE Internet of Things Journal. (*SCI*)
4. **Baskar, S.**, Shakeel, P. M., Kumar, R., Burhanuddin, M. A., & Sampath, R. (2020). A dynamic and interoperable communication framework for controlling the operations of wearable sensors in smart healthcare applications. Computer Communications, 149, 17-26. (*SCI*)
5. Shakeel, P. M., **Baskar, S.**, Sampath, R., & Jaber, M. M. (2019). Echocardiography image segmentation using feed forward artificial neural network (FFANN) with fuzzy multi-scale edge detection (FMED). International Journal of Signal and Imaging Systems Engineering, 11(5), 270-278. (*SCI*)
6. Mydhili, S. K., Periyannayagi, S., **Baskar, S.**, Shakeel, P. M., & Hariharan, P. R. (2019). Machine learning based multi scale parallel K-means++ clustering for cloud assisted internet of things. Peer-to-Peer Networking and Applications, 1-13. (*SCI*)
7. Dhote, S., Vichoray, C., Pais, R., **Baskar, S.**, & Shakeel, P. M. (2019). Hybrid geometric sampling and AdaBoost based deep learning approach for data imbalance in E-commerce. Electronic Commerce Research, 1-16. (*SCI*)

8. Sundarasekar, R., Shakeel, P. M., **Baskar, S.**, Kadry, S., Mastorakis, G., Mavromoustakis, C. X., & Vivekananda, G. N. (2019). Adaptive Energy Aware Quality of Service for Reliable Data Transfer in Under Water Acoustic Sensor Networks. IEEE Access. (*SCI*)
9. Shakeel, P. M., **Baskar, S.**, Dhulipala, V. S., & Jaber, M. M. (2018). Cloud based framework for diagnosis of diabetes mellitus using K-means clustering. Health information science and systems, 6(1), 16. (*SCI*)
10. **Baskar, S.**, & Dhulipala, V. S. (2018). Collaboration of Trusted Node and QoS Based Energy Multi Path Routing Protocol for Vehicular Ad Hoc Networks. Wireless Personal Communications, 103(4), 2833-2842. (*SCI*)
11. Shakeel, P. M., **Baskar, S.**, Dhulipala, V. S., Mishra, S., & Jaber, M. M. (2018). Maintaining security and privacy in health care system using learning based deep-Q-networks. Journal of medical systems, 42(10), 186. (*SCI*)
12. **Baskar, S.**, & Dhulipala, V. R. (2018). Implementation of Elliptical Curve Point Multiplication Over Galois Field (GF (p)) in 45 Nanometer Technologies. Sensor Letters, 16(8), 632-641.(*SCOPUS*)

#### *Conference papers*

1. **Baskar, S.**, Presented International paper on “Error Detection and Correction Enhanced Decoding on Difference Set Codes” and Awarded as the best base paper at VIT University, Chennai, Tamil Nadu, India
2. **Baskar, S.**, Presented paper on “Experimental Analysis on Polymethyl Methacrylate (PMMA) In Orientation with Its Loss Spectrum” at PPG College of Engineering, Coimbatore, Tamil Nadu, India
3. **Baskar, S.**, Presented paper on “Hybrid Codes for Majority Logic Decoding Circuits” at IIM, Indore, India
4. **Baskar, S.**, Presented paper on “Efficient Analysis of LDPC Codes On USB-3.0” at Karunya University, Coimbatore, and Tamil Nadu, India. which has published in IEEE Xplore
5. **Baskar, S.**, Presented paper on “Design of Novel Routing Switches for Power Optimization in FPGA Routing Circuits” at Paavai Engineering College, Namakkal, Tamil Nadu, India
6. **Baskar, S.**, Presented paper on “Optimized Placement and Routing Algorithm For ISCAS-85 Circuit” at Karpagam Institute of Technology, Coimbatore, which has published in IEEE Xplore, Coimbatore, Tamil Nadu, India

7. **Baskar, S.,** Presented paper on “Reliability Oriented Placement and Routing Analysis In Design Of Low Power Multiplier For Wireless Sensor Networks” at Velammal college of Engineering, Chennai, Tamil Nadu, India
8. **Baskar, S.,** Presented paper on “Plastic Optical Fiber Communication on PMMA-Literature Survey” at Guru Nanak Institutions, Hyderabad, Telegana, India
9. **Baskar, S.,** Presented paper on “Efficient Active Resistor Based Clock Gating Design For The Implementation Of Arithmetic And Logic Circuit Design” at NSN College of engineering and Technology, Karur, Tamil Nadu, India.
10. **Baskar, S.,** Presented Poster on “Investigation on Secure Authenticated Scheme for Data Integrity In WSN” at SRM University, Tamil Nadu, India
11. **Baskar, S.,** Presented paper on “Smart Sensor System for Monitoring Human Thermal Condition Using Montgomery Approach-An Experimental Study” at IIT Roorkee, Uttarakhand, India.
12. **Baskar, S.,** Presented paper on “Group Key Protocol using FIFO routing technique lifetime improvement and reliable communication in sensor network” at PPG Institute of Technology, Bali, Indonesia.
13. **Baskar, S.,** Presented paper on “Municipal Solid waste segregation” at International journal of machine at construction engineering Coimbatore, Tamil Nadu, India.
14. **Baskar, S.,** Presented paper on “Classification system for Lung Cancer Nodule using Machine Learning Technique and CT images” at PPG Institute of Technology, Coimbatore, Tamil Nadu, India.