

Dr Ramavenkateswaran N

Assistant Professor (Selection Grade)

B.E (ECE),

Educational Qualification M.Tech.(Communication Systems)

PhD (Room Temperature Grown Thin Film Transistor Fabrication)

Teaching: 16 Years

Experience

Industry: 2 Years

Area of Interest

Nanoelectronics and VLSI Digital Design & Neuromorphic computing

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Date of Joining at RVCE : 15th Sep 2008

Subjects Handled: Microwave & Radiating Systems, Semiconductors, CMOS RF, Field Theory, Wearable Electronics,

No. of Projects guided to UG & PG Students : 30

Publication Details

International Journals:

1. Rahul ., M.G; Rajanalli, S. R.; Endoli, S.; Magi, M. & Ramavenkateswaran, D. N. Machine Learning Algorithms for Classification of Gas Sensor Array Dataset , Journal of University of Shanghai for Science and Technology, ADD Technologies, 2021, 23, 721-728
2. Nishant Agrawal, Kumar Shashank, Shashank R. S., Rahul J4, Dr. N. Ramavenkateswaran, Automatic Test Pattern Generation using Grover's Algorithm ,International Journal for Research in Applied Science and Engineering Technology, International Journal for Research in Applied Science and Engineering Technology (IJRASET), 2021, 9, 2373-2379
3. N.Ramavenkateswaran et al., “Modelling and performance analysis of zinc oxide based thin film transistor”, International Journal of Advanced Research in Computer and Communication Engineering, Sep. 9, 2016
4. Nayak, Reshma R; Sahana, SK; Bagalkot, Anupama S; Soumya, M; Roopa, J; Govinda, RM; Ramavenkateswaran, N;, Smart traffic congestion control using wireless Communication, International Journal of Advanced Research in Computer and Communication Engineering, 2, 9, 2013
5. N.Sai Pavan, N.Ramavenkateswaran; Modelling Of The Stabilization And Tracking Control System For Antenna International Journal of Advanced Research in Computer and Communication Engineering, 3, 6, 2014

International Conferences:

1. R. Rohini and N. Ramavenkateswaran, "Vehicle state estimator for urban autonomous solution POC," 2017 International Conference On Smart Technologies For Smart Nation (SmartTechCon), 2017, pp. 1094-1099,
2. N.Ramavenkateswaran et al., "Modeling of back channel etched zinc oxide(bce zno) thin film transistor (tft) & bce zno tft performance analysis in integrated circuits", in IEEE International Conference on science, technology, engineering and management(ICSTEM17), Mar. 3, 2017.
3. N.Ramavenkateswaran, K. Sreelakshmi, Shounak. De, and B. Satyanarayana, "Modeling of nanocluster carbon defect states & thin film transistor", in 2016 7th India International Conference on Power Electronics (IICPE), IEEE, Nov. 2016. doi: 10.1109/iicpe.2016.8079428
4. N.Ramavenkateswaran et al., "Design of full adder using amorphous silicon thin film transistor", in 12th IEEE India International Conference on Electronics, Energy, Environment, Communication, Computer, Control (INDICON15), 2015.
5. N.Ramavenkateswaran et al., "Study of a novel room temperature grown semiconducting nanocluster carbon thin films for use in nano, micro, macro and flexible electronics", in 1st National Conference on Micro and Nano Fabrication, (Central Manufacturing Technology Institute, Bangalore), Jan. 20, 2013
6. J. S. Nagendra and N. Ramavenkateswaran, "An Overview of Low Power Design Implementation of A Subsystem using UPF," 2020 International Conference on Inventive Computation Technologies (ICICT), 2020, pp. 1042-1047,
7. H. K. P and R. N, "Low Power High Speed 15-Transistor Static True Single Phase Flip Flop," 2019 2nd International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICT), 2019, pp. 440-444,
8. N. R. Venkateswaran, V. M S and P. Y. Shivayogi, "Safety Mechanism Implementation for Fault in the Memory," 2021 IEEE Mysore Sub Section International Conference (MysuruCon), 2021, pp. 210-214

Book Chapter:

1. Nikitha, Bandaru Sri Chandra; Silpa, Basavaneni; Rajendran, Sindhu R; Role of Machine Learning in Artificial Emotional Intelligence Multidisciplinary Applications of Deep Learning-Based Artificial Emotional Intelligence 47-65, 2023, IGI Global
2. Rajendran, Sindhu; Ramavenkateswaran, N; Abbi, Prashant; Arora, Khushi; Gupta, Praveen Kumar; Anand, Mayank; Health Informatics System using Machine Learning Techniques, Deep Learning for Healthcare Decision Making, 179-209, 2023, River Publishers