



SACHIN KUMAR MURARKA

Assistant Professor, School of Computer Application

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Educational Qualification:

PhD* BIG DATA Technologies (RNTU, Bhopal), M.Tech. (ECE) (SRM University, Chennai), B.Tech.(ECE) (RGPV, Bhopal)

Total Experience:

Academic: 13 years

Areas of Interest:

Cloud Computing, Hadoop, Cloudera, Hive, Microprocessor, Computer Network, Communication System, Antenna, Snowflake

Brief Profile:

Sachin Kumar Murarka holds a Master's degree in Digital Communication & Networking and is currently pursuing a PhD at Ravindra Nath Tagore University, focusing on Big Data Technology. With more than 13 years of teaching and training experience at prestigious engineering institutes in Bhopal and Pune, he has taught numerous core subjects that enhance student employability. Additionally, he has managed Processors labs and also conducted workshops for Cloud Computing to prepare students for their industrial exposure. He also mentored a team for the Industrial Visits, Conferences and

Training. He has having more than 10 Internationals journals and guided more than 15 students for their M. Tech Degree. He is expertise in Cloudera Hadoop, Cloud Computing, Snowflakes, Linux, Digital Communication, Networking.

Research publications in International Journal:

- Sachin murarka,Md.Abdullah,braj Bihari Soni“Quadratic Prime Code For Improved Bluetooth FH Communication” GJCAT, ISSN : 2249-1945 Vol. 1 No. 4, November 2011.
- Sachin Murarka, Ms.Anagha V.Malkapurkar “A New Technique for LBP Method to Improve Face Recognition” International Journal of Emerging Technology and Advanced Engineering, ISSN 2250-2459, Volume 1, Issue 1, November 2011.
- Mayuri Shrivastava, Sachin Murarka, Smriti Narware “Performance Analysis of Quadratic Prime Code for Modified Bluetooth FH Communication System” International Journal of Emerging Technology and Advanced Engineering, ISSN 2250-2459, Volume 2, Issue 1, January 2012.
- Rashmi Mishra, Rajesh Nema, Sachin Murarka “Performance Evaluation of channel estimation in TD-SCDMA system” “International Journal of Engineering Reaserch and Application”, ISSN NO. 2248-9622, Volume 2, Issue 5, September-October 2012.
- Arnika Khare, Rajesh Nema, Sachin Murarka “Congestion Control for WCDMA Radio Access Network Using Threshold Segmentation” “International Journal of Emerging and Innovative Technology” ISSN NO. 2277-3754, Volume 2, Issue 3, September 2012.
- Ankita Gupta, Rajeev Thakur, Sachin Murarka “A Review on Zero Crossing Detector” “International Journal of electronics & communication technology”. ”, ISSN : 2230-9543, Vo l .3 , Issue 4,Oct-Dec 2012.
- Ms.Anagha V.Malkapurkar Prof. Sachin Murarka “Using LBP Histogram for Face Recognition”,“International Journal of Scientific Research”, ISSN NO. 2277-8179, Volume 1, Issue 7, December 2012.
- Avinesh Yadu, Rajesh Nema, Sachin Murarka “FPGA-Based Noise Cancellation System Using LMS Filter” “International Journal of electronics & communication technology”, ISSN: 2230-9543, Vo l . 4, Issue 1, Jan - March 2013.
- Mayuri Shrivastava, Sachin Murarka “Comparative Analysis of Different Modulation Technique by Using Quadratic Prime Codes in FH Communication System”

“International Journal of electronics & communication technology”. ISSN: 2230-9543, Vo 1 . 4, Issue 1, Jan - March 2013.

- Ankita Gupta, Rajeev Thakur, Sachin Murarka “An Efficient Approach to Zero Crossing Detection Based on Opto-Coupler” “Int. Journal of Engineering Research and Application”. Vol. 3, Issue 5, Sep-Oct 2013, pp.01-05.
- Mr. Sachin Murarka, Dr. Anshuj Jain, Prof. Laxmi Singh “Optimizing Data Ingestion and Processing Pipelines For Ultrafast Data Communication Networks” Volume-58, No.1(X): 2024, ISSN :0025-0422
- Mr. Sachin Murarka, Dr. Anshuj Jain, Prof. Laxmi Singh “Advanced Techniques in Data Ingestion and Pipelining for Scalable Big Data Platforms: A Comprehensive Review” 979-8-3315-1898-1/24/\$31.00 ©2024 IEEE

Awards/Recognitions:

- **CLOUDAGE Certification** in Data Center Technologies (Sep-Oct 2024).
- **Oracle Certification** in Oracle Cloud (Sep-Oct 2024)
- **Simplilearn Certification** in Artificial intelligence (Sep- Oct 2024)
- **Awarded** as Recognised faculty by SPPU, Pune (Sep-Oct 2016)

Workshops/Seminars/Conference Organized:

- Organization of **Resume Building Session** on the topic “Resume Pro- Elevate your first impression” on Nov 2024.
- Organization of Workshops on the topic of Data Center Technologies on March- 2022
- Organization of National Conference on the topic “Emerging Science and Technologies” on Oct 2016
- Organization of Workshops on the topic “MATLAB for beginners” on March 2013