

Faculty Profile

Name: Dr. Rashmi Agarwal
Designation: Assistant Professor
Teaching Areas: Cloud Computing, Theory of Computation, Data base Management Systems, Internet of Things
Research Interests: Digital Watermarking, Smart City Middleware, Cyber Physical Systems / Internet of Things.
Education: Ph.D., Computer Science and Engineering, Mohanlal Sukhadia University, Udaipur, Rajasthan, India, 2011.
M.Tech., Computer Science and Engineering, Central University of Rajasthan, Ajmer, Rajasthan, India, 2019.
M.Sc., Information Technology, Mohanlal Sukhadia University, Udaipur, Rajasthan, India, 2005.



Professional Experience: [Total 9 years]

1. Nov 2020 – Till date and Aug 2013 – Dec 2014: Assistant Professor, FST, The ICFAI Foundation for Higher Education, Hyderabad.
2. July 2018 – July 2019 : Project Associate, Robert Bosch Center of Cyber Physical Systems, Indian Institute of Science, Bengaluru, Karnataka.
3. Aug 2019 – Oct 2020 and July 2016 – June 2018 : Associate Professor , MU University, Rajasthan.
4. Jan 2012 – July 2013: Assistant Professor, Sir PadampatSinghania University, Rajasthan
5. Nov 2007 – Sep 2008: Project Associate, IIT Madras Chennai, Tamilnadu
6. Jan 2006 – Dec 2006: Research Associate, Physical Research Laboratory, A Unit of Department of Space, Government of India. Ahmedabad, Gujarat

Research / Selected Publications:

1. **R. Agarwal** and Muzzammil Hussain, *Generic Framework for Privacy Preservation in Cyber-Physical Systems.*, 4th International Conference on Advanced Computing and Intelligent Engineering, 2019. Proceedings in Springer, Scopus Listed.
2. **R. Agarwal**, M. S. Santhanam, and K. Srinivas, *Digital Watermarking: An approach based on Hilbert transform.*, IEEE International Conference on Computing Communication and Automation (ICCCA-2016) pp 1035-1042, ISBN: 978-1-5090-1666-2/16. DOI: 10.1109/CCAA.2016.7813887 Citation: 5, H- Index: 3, Proceedings in IEEE, Scopus Listed.
3. **R. Agarwal**, *Block based Digital Watermarking using Singular Value Decomposition on Color Images.*, IEEE International Conference in Computing Communication and Automation (ICCCA-2015) pp. 1176 - 1181, ISBN: 978-1-4799-8891-4, DOI: 10.1109/ICCCA.2015.7148554, ISBN: 978-1-4799-8891-4 Citation: 3, Proceedings in IEEE, Scopus Listed.
4. **R. Agarwal**, M. S. Santhanam, and K. Venugopalan, *Multichannel Digital Watermarking of Color Images using SVD*, International Conference on Image Information Processing (ICIIP), pp. 1-6. IEEE, 2011, ISBN: 978-1-61284-861-7, DOI: 10.1109/ICIIP.2011.6108893. Citation: 14, H-Index: 11, Proceedings in IEEE, Scopus Listed.
5. **R. Agarwal** and K. Venugopalan, *Digital watermarking of color images in a singular vector domain*, Second National Conference on Computational Science and Engineering-NCCSE. Proceeding of International Journal of computer Applications (IJCA) Special Issue on Computational Science - New Dimensions and Perspectives, vol. 4, pp. 144-149, ISBN: 0975-8887, 2011. Citation: 9, Impact Factor: 0.704 (2018), UGC Journal Number: 63153.
6. **R. Agarwal** and M. S. Santhanam, *Digital watermarking in the singular vector domain*, International Journal of Image and Graphics., Vol. 8, no. 3, pp. 351-368, 2008, World Scientific Publication. ISSN: 1793-6756. DOI:10.1142/S0219467808003131 Citation: 35, Impact Factor: 0.66 (2018), UGC Journal Number: 46333, SCI Indexed.