List of Papers Published /Presented /Communicated

(A) International Journals:

[1] **Vibhav Prakash Singh**, Subodh Srivastava, and Rajeev Srivastava, "Effective Mammogram Classification Based on Center Symmetric-LBP features in Wavelet Domain Using Random Forest Classifier", *Technology and Healthcare, official journal of the European Society for Engineering and Medicine*, Vol. 25 (4), pp. 709-727, 2017. DOI: 10.3233/THC-170851 **(SCI-0.724).**

[2] **Vibhav Prakash Singh**, and Rajeev Srivastava, "Improved CBIR System Using Fusion of Fast Features with Varying Weighted Similarity Measure and Random Forest Classifier", *Multimedia Tools and Applications*, *Springer*, 1-26, DOI: 10.1007/s11042-017-5036-8 **(SCI-1.53).**

[3] **Vibhav Prakash Singh**, and Rajeev Srivastava, "Automated and effective content-based mammogram retrieval using wavelet based CS-LBP feature and self-organizing map", Biocybernetics and Biomedical Engineering, Vol. (38), Issue (1), pp.90-105, 2018. DOI: dx.doi.org/10.1016/j.bbe.2017.09.003 **(Elsevier, SCI-1.03)**

[4] **Vibhav Prakash Singh**, Subodh Srivastava, and Rajeev Srivastava, "An Efficient and Automated Content Based Image Retrieval for Digital Mammography", Journal of X-Ray science and Technology, Vol. (Preprint), pp.1-20, IOS Press, UK , DOI:10.3233/XST-17306 **(SCI-1.11)**

[5] **Vibhav Prakash Singh**, and Rajeev Srivastava, "Effective Image Retrieval Based on Hybrid Features with Weighted Similarity Measure and Query Image Classification", *International Journal of Computational Vision and Robotics (IJCVR),* Inderscience UK **(Scopus, ACM, DBLP Index*),*** March' 2016 (In Press).

[6] **Vibhav Prakash Singh**, and Rajeev Srivastava, "Content-Based Mammogram Retrieval Using Wavelet based Complete-LBP and K-means Clustering for the Diagnosis of Breast Cancer", *International Journal of Hybrid Intelligent System*, *Pre-print (2017), pp. 1-9.* **(*Scopus, ACM, DBLP Index)***

[7] **Vibhav Prakash Singh,** Subodh Srivastava, and Rajeev Srivastava. "An Efficient Image Retrieval Based on Fusion of Fast Features and Query Image Classification." *International Journal of Rough Sets and Data Analysis (IJRSDA)* 4.1 (2017): 19-37 **(ACM, DBLP Index).**

[8] **Vibhav Prakash Singh**, Ashim Gupta, and Rajeev Srivastava. "Fast and effective image retrieval using colour and texture features with self-organising map." *International Journal of Computational System Engineering*, Vol. 3, no. 3 (2017): 133-143., ***Inderscience UK*.**

[9] **Vibhav Prakash Singh**, Ayush Srivastava, Devang Kulshreshtha, Arpit Chaudhary, and Rajeev Srivastava. "Mammogram Classification Using Selected GLCM Features and Random Forest Classifier." *International Journal of Computer Science and Information Security*, Vol. 14, no. 6 (2016): 82**.(E-SCI Index)**

[10] Yashankit Shikhar, **Vibhav Prakash Singh**, and Rajeev Srivastava. "Comparative Analysis of Distance Metrics for Designing an Effective Content-based Image Retrieval System Using Colour and Texture Features." *International Journal of Image, Graphics & Signal Processing* 9, no. 12 (2017).

Communicated Journal:

[11] **Vibhav Prakash Singh**, Arjun Malik, and Rajeev Srivastava, "Fast and Effective Image Retrieval Based on Supervised Learning Framework with Combination of Orthogonal-LBP and Statistical Moments", *Multimedia Tools and Applications*, Springer **(Under Review, SCI -1.53)**

(B) Conferences:

[1] **Vibhav Prakash Singh**, Ashim Gupta, Shubham Singh, and Rajeev Srivastava. "An efficient content based image retrieval for normal and abnormal mammograms." In *2015 IEEE UP Section Conference on Electrical Computer and Electronics (UPCON)*, pp. 1-6. IEEE, 2015.

[2] **Vibhav Prakash Singh**, and Rajeev Srivastava. "Design & performance analysis of content based image retrieval system based on image classification using various feature sets." In *Futuristic Trends on Computational Analysis and Knowledge Management (ABLAZE), 2015 International Conference on*, pp. 664-670. IEEE, 2015.

[3] **Vibhav Prakash Singh,** Shivoam Malhotra, and Rajeev Srivastava. "Combining hybrid information descriptors and DCT for improved CBIR performance." *In Control, Computing, Communication and Materials (ICCCCM)*, 2016 International Conference on, pp. 1-5. IEEE, 2016.

[4] **Vibhav Prakash Singh**, and Rajeev Srivastava, ‘’Improved image retrieval using colour-invariant moments’’, 2017 3rd International Conference on Computational Intelligence & Communication Technology (CICT), Pages: 1 – 6. IEEE, 2017.

[5] **Vibhav Prakash Singh***, Devang Kulshreshtha*, Ayush Srivastava, Arpit Chaudhary, and Rajeev Srivastava, ‘’Content-based mammogram retrieval using k-means clustering and local binary pattern’’, 2017 2nd International Conference on Image, Vision and Computing (ICIVC), Pages: 634 – 638, China, IEEE, 2017.

[6] Ayush Shrivastava, Arpit Chaudhary, Devang Kulshreshtha, **Vibhav Prakash Singh**, and Rajeev Srivastava, “Automated digital mammogram segmentation using Dispersed Region Growing and Sliding Window Algorithm”, 2017 2nd

International Conference on Image, Vision and Computing (ICIVC), Year: 2017, Pages: 366 – 370, China, IEEE, 2017.

[7] Kriti Singh, **Vibhav Prakash Singh**, and Rajeev Srivastava, "An Introductory survey on Content Based Image Retrieval", National Conference on Present Scenario and Future Trends in Biomedical Engineering and Healthcare technologies (FTBH 2014), Oct. 17-18, 2014, School of Biomedical Engineering, IIT (BHU), Varanasi, U.P.

(C) Book Chapters:

[1] **Singh, Vibhav Prakash**, and Rajeev Srivastava. "Improved Content-Based Image Classification Using a Random Forest Classifier." In *Advances in Computer and Computational Sciences*, pp. 365-376. **Springer**, Singapore, 2018. Published by *Springer book series on Advances in Intelligent Systems and Computing*.