

Research Profile



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Qualification: **B.Tech, M.Tech & Ph.D**

Ph.D Title: **Denoising and Segmentation of Hemorrhagic Brain CT Images.**

Research Exposure

Patent: **01** Title: A Centrifugal Cannon based Sprinkler (CCS) system mounted on a deployment helicopter and methods thereof.

Ph.D. Thesis Submitted: **02** Title: Analysis and Classification of Breast Dendity Using Mammographic Images.

Title: Open Area Sensor Network Deployment Policies and Models.

M.Tech Thesis Guidance: **23**

Paper published in SCI Index Journals: **15**

Paper Published in International Conference: **42**

Book Chapter: **01** Title: Classification Framework for Breast Density Using Laws Texture Descriptors”, Book Chapter in Soft Computing based Medical image analysis, Elsevier, 2017.

Organization of Refresher Courses: **02** Title: Information Technology and its Impact on Society- A New Horizon of energy efficiency and E-waste Management, 26-30 Aug, 2013.

Title: Digital Image Processing and Its applications, 20-24 Dec, 2017.

List of paper published in SCI Indexed Journals

- [1]. Vikrant Sharma, H. S. Bhadauria, R B Patel and Devendra Prashad, “ Glider assisted schemes to deploy sensor nodes in wireless sensor networks”, **Journal of Robotics and autonomous systems**, Vol. 100, no. 7, pp. 1-13, DOI: 10.1016/j.robot.2017.10.015, **Elsevier** ,2018.
- [2]. Jyoty Rawat, Annapurna Singh, H. S. Bhadauria and J. Virmani, “Computer Assisted Classification Framework for Prediction of Acute Lymphoblastic and Acute Myeloblastic Leukemia”, *Journal of Biocybernetics and Biomedical Engineering*, **Elsevier**, 2017.
- [3]. Jyoty Rawat, Annapurna Singh, H. S. Bhadauria and J. Virmani, “Classification of Acute Lymphoblastic Leukemia using Hybrid Hierarchical Classifier”, *Journal of Multimedia tools and Applications*, **Springer**, DOI: 10.1007/s11042-017-4478-3, 2017.
- [4]. Indrajeet Kumar, H. S Bhadauria, J. Virmani and S. Thakur, “A Hybrid Hierarchical Framework for Classification of Breast Density using Digitized Film Screen Mammograms, *Journal of Multimedia Tools & Applications*, **Springer**, DOI: 10.1007/s11042-016-4340-z, 2017.
- [5]. Indrajeet Kumar, H. S Bhadauria, J. Virmani and S. Thakur, “A classification framework for prediction of breast density using an ensemble of neural network classifiers”, *Journal of Biocybernetics and Biomedical Engineering*, **Elsevier**, DOI: 10.1016/j.bbe.2017.01.001, 2016.
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- [12]. H. S. Bhadauria, Annapurna Singh and M. L. Dewal, “An integrated method for hemorrhage segmentation from brain CT imaging”, *Journal of Computer and Electrical Engineering*, **Elsevier**, Vol 39, pp. 1527-1536, 2013.
- [13]. H. S. Bhadauria and M. L. Dewal, “Medical image denoising using adaptive fusion of curvelet transform and total variation”, *Journal of Computers and Electrical Engineering*, **Elsevier**, DOI: 10.1016/j.compeleceng.2012.04.003, Vol. 39, no 5, pp. 1451–1460, 2013.
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Book Chapter

- [1]. Indrajeet Kumar, H. S Bhadauria, J. Virmani and S. Thakur, “ Classification Framework for Breast Density Using Laws Texture Descriptors”, *Book Chapter in Soft Computing based Medical image analysis*, Elsevier, 2017.