

## Publications

### Journal Papers

1. **D. K. Singh**, D. S. Kushwaha, "Automatic Intruder Combat System: A way to Smart Surveillance", Defense Science Journal Vol 67.1 (January 2017). [**SCI Indexed, IF: 0.54**]
2. Pushkar P. Goswami, Diwakar Paswan, **D. K. Singh**, "Detecting moving objects in traffic surveillance video", International Journal of Control Theory and Applications, Vol 9.17, pp 8423-8430 (2016) [**Scopus**]
3. **D. K. Singh**, D. S. Kushwaha, "Analysis of face feature based human detection techniques", International Journal of Control Theory and Applications, Vol 9.22, pp 173-180 (2016) [**Scopus**]
4. Pushkar Protik Goswami, **D. K. Singh**, "A hybrid approach for real-time object detection and tracking to cover background turbulence problem", Indian Journal of Science and Technology, Vol 9.45 (2016) [**Scopus**]
5. D. K. Singh, D. S. Kushwaha, "ILUT based Skin Colour Modelling for Human Detection", Indian Journal of Science and Technology, Vol 9.32 (2016) [**Scopus**]
6. **D. K. Singh**, "Dynamic Environment Exploration Tool: A Blind's Eye", IJCSIT, Vol (2015).

### Conference Proceedings

1. **D. K. Singh**, Sumit Paroothi, Mayank Kumar Rusia, Aquib Ansari, "Human Crowd Detection for City Wide Surveillance", CoCoNet-2019, IIIT Kerala, Trivandrum (India), 18-21 Dec 2019 [Elsevier, Scopus]
2. Komal Bajaj, **D. K. Singh**, Aquib Ansari, "Autoencoders Based Deep Learner for Image Denoising", CoCoNet-2019, IIIT Kerala, Trivandrum (India), 18-21 Dec 2019 [Elsevier, Scopus]
3. Neelam Dwivedi, **D. K. Singh**, D. S. Kushwaha, "An Approach for Unattended Object Detection through Contour Formation using Background Subtraction", CoCoNet-2019, IIIT Kerala, Trivandrum (India), 18-21 Dec 2019 [Elsevier, Scopus]
4. Aquib Ansari, **D. K. Singh**, "An Approach for Human Machine Interaction using Dynamic Hand Gesture Recognition", CICT-2019, IIIT Allahabad, Prayagraj, U.P. (India), 06-08 Dec 2019 [IEEE, Scopus]
5. Neelam Dwivedi, **D. K. Singh**, D. S. Kushwaha, "Weapon Classification using Deep Convolutional Neural Network", CICT-2019, IIIT Allahabad, Prayagraj, U.P. (India), 06-08 Dec 2019 [IEEE, Scopus]
6. Mayank Kumar Rusia, **D. K. Singh**, Mohd. Aquib Ansari, "Human Face Identification using LBP and Haar-like features for Real-time Attendance Monitoring", ICIIP-2019, JUIT Solan, H.P. (India), 15-17 Nov 2019 [IEEE, Scopus]

7. Saima Naz, **D. K. Singh**, “Review of Machine Learning Methods for Windows Malware Detection”, 10th ICCCNT – 2019, IIT Kanpur, Kanpur (India), 6-8 July 2019 [IEEE, Scopus]
8. Singh Rupal H., S. R. Mohanty, Nand Kishor, **D. K. Singh**, “Comparison of Empirical Mode Decomposition and Wavelet Transform for Power Quality Assessment in FPGA”, PEDES-2018, IIT Madras, Chennai (India), 18-21 Dec 2018 [IEEE, Scopus]
9. **D. K. Singh**, “Human Action Recognition in Video”, ICAICR-2018, Shimla (India), 14-15 July 2018 [Springer, Scopus]
10. Mohd Ali Ansari, **D. K. Singh**, “Review of Deep Learning Techniques for Object Detection and Classification”, CNC-2018, ITM University, Gwalior (India), 22-24 March 2018 [Springer, Scopus]
11. Neelam Dwivedi, **D. K. Singh**, “Review of Deep Learning Techniques for Gender Classification in images”, ICHSA-2018, BML Munjal University, Gurgaon (India), 07-09 Feb 2018 [Springer, Scopus]
12. **D. K. Singh**, “Gaussian Elliptical Fitting based Skin Color Modeling for Human Detection”, ICSGRC-2017, UiTM, Kuala Lumpur, Malaysia, 04-05 August 2017 [IEEE, Scopus]
13. Utkarsh Ojha, Utsav Adhikari, **D. K. Singh**, “Image Annotation Using Deep Learning: A Review”, I2C2-2017, Karpagam College of Engineering, Coimbatore (INDIA), 23-24 June 2017 [IEEE, Scopus]
14. Sonu Sharma, Radhika Agrawal, Snehil Srivastava, **D. K. Singh**, “Review of Human Detection Techniques in Night Vision”, WiSPNET 2017, SSN College of Engineering, Chennai (INDIA), 22-24 March 2017 [IEEE, Scopus]
15. Anshuman Agarwal, Shivam Gupta, **D. K. Singh**, “Review of Optical Flow Technique for Moving Object Detection”, iC3I 2016, Amity University, Noida (INDIA), 14-17 Dec 2016 [IEEE, Scopus]
16. Pushkar P. Goswami, Diwakar Paswan, **D. K. Singh**, “Detecting moving objects in traffic surveillance video”, SCESM 2016, Noida (INDIA), 9-10 Sept 2016.
17. **D. K. Singh**, D. S. Kushwaha, “Analysis of face feature based human detection techniques”, SCESM 2016, Noida (INDIA), 9-10 Sept 2016.
18. Pushkar Protik Goswami, **D. K. Singh**, “A hybrid approach for real-time object detection and tracking to cover background turbulence problem”, Shannon100 3rd ICCS, LPU Jalandhar, Punjab (India), 8-9 April 2016
19. **D. K. Singh**, D. S. Kushwaha, “Tracking movements of Human Being in a Real-Time Surveillance Scene”, In proceedings of International Conference SocProS2015, IIT Roorkee, Saharanpur Campus (INDIA), 18-20 Dec 2015. [Springer, Scopus]
20. Kshitij Shah, **D. K. Singh**, “A Survey on Data Mining approaches for Dynamic Analysis of Malwares”, ICGCIoT-2015, GCET Gr Noida (India), 8-10 Oct 2015. [IEEE, Scopus]
21. Tulika Mithal, Kshitij Shah, **D. K. Singh**, “Case Studies on Intelligent approaches for Static Malware Analysis”, ERCICA-2015 Vol 3, NMIT Bangalore (India), 31 July – 1 Aug 2015. [Springer]

22. **D. K. Singh**, "Recognizing Hand Gestures for Human Computer Interaction", ICCSP-2015, Melmaruvathur, TM (India), April 2015. [IEEE, Scopus]
23. Nikhil Singh, S S Bharti, Rupal Singh, **D. K. Singh**, "Remotely Controlled Home Automation System", IEEE ICAETR-2014, Kanpur, India. [IEEE]
24. Avinash Gupta, Nayneesh Mishra, **D. K. Singh**, D. S. Kushwaha, "Test case Reduction through Prioritization Technique", CCIT-2014, LONDON, UK
25. **D. K. Singh**, "Analyzing Use Case Models for Software Performance Prediction", NUiCONE 2012, Ahmedabad (India). [IEEE]
26. Rupal Singh, **D. K. Singh**, "Simulation of D-Statcom for voltage fluctuation", ACCT12, Rohtak (India), Jan 2012. [IEEE]
27. **D. K. Singh**, "From Use Case Model to Software Performance results: An SPE approach", ACCT11, Rohtak (India), Jan 2011.
28. **D. K. Singh**, "Early Prediction of Performance of Software Systems", 6th ADTECH-ITEM, GLAITM, Mathura, Feb 2010.
29. **D. K. Singh**, "Component-Based Size Measurement Method", 5th International IT Conference, PCTE, Ludhiana (India), May 2009.

### **Book Chapters**

1. **D. K. Singh**, D. S. Kushwaha, "Tracking movements of Human Being in a Real-Time Surveillance Scene", Springer AISC series, Vol 437, pp 491-500, 2015 [Scopus, ISI Proceedings]
2. Mohd Ali Ansari, **D. K. Singh**, "Review of Deep Learning Techniques for Object Detection and Classification", Springer CCIS series, Vol 839, pp 422-431, 2018 [SCOPUS, ISI Proceedings]
3. Neelam Dwivedi, **D. K. Singh**, "Review of Deep Learning Techniques for Gender Classification in images", Springer AISC series, Vol 741, pp 1089-1099, 2018 [Scopus, ISI Proceedings]
4. **D. K. Singh**, "Human Action Recognition in Video", Advance Informatics for Computing Research, Springer Nature Singapore, Vol 955, pp 54-66, 2018 [Scopus, ISI Proceedings]