

## Faculty Profile

Name : Sandeep Singh  
Designation : Assistant Professor  
Qualifications : Pursuing Ph.D., M.Tech, B.Tech  
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Area of Interest/Specialization: Digital Signal Processing  
Experience : 10 years



### Key Publications

1. Singh, S., Ashok, A., Kumar, M., & Rawat, T. K. (2019). Adaptive infinite impulse response system identification using teacher learner based optimization algorithm. *Applied Intelligence*, 49(5), 1785-1802. (SCI)
2. Ashok, A., Singh, S. (2016). Flower pollination approach toward IIR system identification. In *International journal of artificial intelligence and applications for smart devices* (pp. 1-8).

### Papers presented in Conferences

1. S. Singh, A. Singh and S. Parashar, "Design of Digital Differentiator Using Teacher Learner Based Optimization Algorithm," *2021 International Conference on Communication, Control and Information Sciences (ICCISc)*, 2021, pp. 1-6, doi: 10.1109/ICCISc52257.2021.9484970.
2. Singh, S., Ashok, A., Rawat, T. K., & Kumar, M. (2016, July). Optimal IIR system identification using flower pollination algorithm. In *Power Electronics, Intelligent Control and Energy Systems (ICPEICES), IEEE International Conference on* (pp. 1-6). IEEE.

### Awards and Recognitions

1. NIL

### Book Chapter/Books published

1. Singh, S., Ashok, A., Kumar, M., & Rawat, T. K. (2019). Optimal Design of IIR Filter Using Dragonfly Algorithm. In *Applications of Artificial Intelligence Techniques in Engineering* (pp. 211-223). Springer, Singapore.

### Memberships of Professional bodies

### Other Contributions