Faculty Profile

Name	: Dr. Priyanka Nandal
Designation	: Associate Professor
Qualifications	: Ph.D. (IIT Delhi), M.Tech., B.E.
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Area of Interest/Specialization: Simulation, parallel processing, Machine learning, deep learning, data science, computer vision

Experience   : 17 years

Key Publications

1. **P. Nandal** and R. P. Sharma, Numerical simulation on GPUs with CUDA to study nonlinear dynamics of whistler wave and its turbulent spectrum in radiation belts, *Computer Physics Communications*, 254, 107214, (2020).

2. R. P. Sharma, **P. Nandal**, N. Yadav, and Swati Sharma, Nonlinear evolution of oblique whistler waves in radiation belts, *Astrophysics and Space Science*, 362, 32, (2017).

Papers presented in Conferences

1. **P. Nandal**, Y. Kadian, S. Upadhyay and B. P. Mudgal, "Pronunciation Accuracy Calculator using Machine Learning," *2021 5th International Conference on Computing Methodologies and Communication (ICCMC)*, 2021, pp. 1128-1133, doi: 10.1109/ICCMC51019.2021.9418381.

2. **P. Nandal**, "Deep Learning in diverse computing and Network applications student admission predictor using deep learning" *in International Conference on Innovative Computing and Communication (ICICC-2020)* held on 21-23 Feb 2020, at Shaheed Sukhdev College of Business Studies, University of Delhi.

3. **P. Nandal**, "Smell-O-Vision Device" *in International conference on Computational Methods and Data Engineering (ICMDE 2020)*, Springer, held on 30-31 Jan 2020, at SRM University Delhi-NCR.

4. **P. Nandal**, "Speech separation using deep learning" *in International Conference on Sustainable Communication Networks and Application (ICSCN 2019)*, Springer, Cham, pp. 319-326, held on 30-31 Jul 2019, at Surya Engineering College, Erode, TN, India.

5. **Priyanka** and S. Goel, "A compression algorithm for DNA that uses ASCII values", *IEEE International Advance Computing Conference (IACC2014)*, pp.739-743, held on 21-22 Feb 2014, at Gurgaon, India.

Awards and Recognitions

1. Received Letter of Appreciation from SMES for excellent services in the institute on 16th May ' 2016.

Patent/Copyright

1. IOT enabled obstruction evasion robots for enhancing the security of the system

Book Chapter/Books published

1. **P. Nandal**, (2021). Motion Imitation for monocular videos. In *Examining the Impact of Deep Learning and IoT on Multi-Industry Applications* (pp. 118-135). IGI Global.

2. **P. Nandal**, (2017). Malware Detection. In *Anchor Academic Publishing*, ISBN: 9783960672081.