

[Dr. Sudhakar Nagalla](#)

Professor

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Websource: <http://www.becbapatla.ac.in/uploads/BCE1572523548367.pdf>



Biography

Prof. Sudhakar Nagalla received his Ph.D from Acharya Nagarjuna University, Andhra Pradesh, M.Tech from NITW and B.E from VNIT, Nagpur. He has been working in the college since 1987 and held positions of HoD and Principal.

His research is in the area of computer vision specific to image quality. The research focused on conventional methods of image quality assessment and also on applications of deep neural networks for blind image quality assessment. The conventional methods include the exploration of image distortions and their effects on image characteristics in the pixel domain. He also explored mathematical modelling of distorted and undistorted image responses in the frequency domain. Presently, he is exploring the application of deep neural networks for image quality assessment and augmentation of small datasets available in the domain of image distortions for adoptability to deep neural networks.

Selected Publications

1. J. Avinash, Sudhakar Nagalla, "Interference Reduction Aware Optimal Route Path Establishment In Wireless Sensor Network Environment" in *International Journal of Engineering and Advanced Technology*, vol. 8, issue 5, June 2019, pp. 642-668.
2. J. Avinash, Sudhakar Nagalla, "Location and Quality of Service Guaranteed Optimized Routing In Wireless Sensor Network Environment" in *Journal of Advanced Research in Dynamical & Control Systems*, vol. 10, issue 11, 2018, pp. 295-306.
3. M.Swapna, Sudhakar Nagalla, "Artificial Neural Network Techniques by Using Time Series and Parameterized Rainfall Prediction Models: A Comparative Study" in *International Journal of Research in Electronics and Computer Engineering*, vol. 6, issue 2, Apr.-June 2018, pp. 1538-1545.
4. M.Swapna, Sudhakar Nagalla, "A Hybrid Model for Rainfall Prediction using Both Parametrized and Time Series Models" in *International Journal of Pure and Applied Mathematics*, vol. 119, No.14, 2018, pp. 1549-1556.
5. K Ravikiran, Sudhakar Nagalla, "Maximizing Throughput in Multi hop Wireless Network by considering Intra and Inter flow Spatial Reusability" in *Journal of Advanced Research in Dynamical and Control Systems*, Vol. 10, No. 06-Special Issue, 2018, 708-717.
6. K Ravikiran, Sudhakar Nagalla, "A Theoretical Analysis of Routing Metrics for Maximizing Throughput in Multihop Wireless Network" in *International Journal of Innovative Research & Studies*, Volume 8, Issue III, March 2018, pp. 459-467.