

FACULTY PROFILE



Dr.N.Vasudevan

Professor & Dean (E & T)

Hindustan Institute of Technology and Science

Dr. VASUDEVAN.N is currently working as a Professor & Dean E&T at Hindustan Institute of Technology and Science, Chennai, India.

Dr.Vasudevan has received his PhD for his Design of High speed switches for Broadband networks, Anna University, Chennai, in 2003. He received his Bachelor of Engineering with distinction in Electronics and Communication from Madras University, Chennai. He received his Master of Engineering from the NIT, Trichy, Chennai. He has obtained a MBA in Operations Management. He brings 27 years of experience in teaching and research. He worked with leading higher education institute across the Country, includes BITS Pilani, SRM University. He served numeral position in his academic life includes Principal, Dean, Professor, Head of the Department, Member of BoS of Anna University and JNTU.

He is (co-)author of more than 40 publications at internationally reputed conferences and journals and has served on numerous program committees, including conference session chair, jury for the project contests. He is guiding six research scholars. He has an international on his innovative idea on High speed switches for Broadband networks, and he is owning three copyright on Higher Education Ranking and Accreditation, OBE Practices.

He has received many of the highest honours in his field, including many Awards and Appreciation. Some of his teaching ideas have resulted in his motivated bottom-up approach for introducing innovation to freshmen.

He is a Member of the reputed professional societies includes IEEE, ISTE, ISA and IET. Dr. Vasudevan is on a mission of **"Ideas are useless unless used"** to help others to stop waiting and start creating an innovative career in Higher Education.

Recent Publications

1. Suresh Akkole, N.Vasudevan , K.Sakthidasan Sankaran, "Energy efficient multi band square fractal microstrip antenna for sustainable development in wireless communication", Journal of Green Engineering, Vol.11, No.11, September 2020
2. K. Sakthidasan Sankaran, N. Vasudevan and V. Nagarajan, "Plant Disease Detection and Recognition using K means Clustering," *IEEE Digital Xplore*, pp. 1406-1409, doi: 10.1109/ICCSP48568.2020.9182095.

3. K. Sakthidasan Sankaran, N. Vasudevan and V. Nagarajan, "Data-Centric Routing in WSN for Energy Conservation using Directed Diffusion," *IEEE Digital Xplore*, pp. 1414-1417, doi: 10.1109/ICCSP48568.2020.9182169.
4. K. Sakthidasan Sankaran, N. Vasudevan and V. Nagarajan, "Secured Service Discovery for Internet of Things: Context Awareness Perspective," *IEEE Digital Xplore*, pp. 1418-1421, doi: 10.1109/ICCSP48568.2020.9182196.
5. K. Sakthidasan Sankaran, N. Vasudevan and V. Nagarajan, "Driver Drowsiness Detection using Percentage Eye Closure Method," *IEEE Digital Xplore*, pp. 1422-1425, doi: 10.1109/ICCSP48568.2020.9182059.
6. K.Sakthidasan Sankaran, N.Vasudevan & Ashok Verghese, "ACIAR: application-centric information-aware routing technique for IOT platform assisted by wireless sensor networks", in *Journal of Ambient Intelligence and Humanized Computing*, vol.11, issue.11,pp. 4815–4825 February 2020, DOI: <https://doi.org/10.1007/s12652-020-01748-y> (Impact Factor- 1.91)
7. N. Vasudevan, N., SudalaiMuthu, T.," Development of a common framework for outcome based accreditation and rankings", *Procedia Computer Science*, 172, pp.270-276, 2020
8. P. Thirumaraiselvan, K. Sakthidasan @ Sankaran , V. Beslin Geo, V. R. Prakash and N. Vasudevan, "A Statistical Lower UWB Channel Model for in Body Communications", in *Mobile Networks and Applications – Springer*, Volume 24, Issue 6, pp: 1814-1820, December 2019, (Impact Factor - 2.39)
9. K. Sakthidasan Sankaran, N. Vasudevan, P. Kumara Guru Diderot and V.Nagarajan. "Efficient Image De-Noising Technique Based on Modified Cuckoo Search Algorithm", *Journal of Medical Systems-Springer*, Volume 43, Issue 10, 1, Article number 307 , DOI: <https://doi.org/10.1007/s10916-019-1423-1>, October 2019 (Impact Factor - 2.415)
10. K. Sakthidasan Sankaran, H. Abhi Rayna, V. Mangu, V. R. Prakash and N. Vasudevan, "Image Water Marking using DWT to Encapsulate Data in Medical Image," *IEEE Digital Library*, pp. 0568-0571, May 2019 . DOI: 10.1109/ICCSP.2019.8698057
11. K. Sakthidasan Sankaran, S. Sasikumar, N. Vasudevan, V. R. Prakash and L. Babitha, "Pattern Generation and Dimensionality Reduction using CNN for Image Restoration," *IEEE Digital Library*, pp. 0559-0563, May 2019. DOI: 10.1109/ICCSP.2019.8697907
12. K. Sakthidasan Sankaran, N. Vasudevan, V. R. Prakash and P. Kumara Guru Diderot, "Access Control based Efficient Hybrid Security Mechanisms for Cloud Storage," *IEEE Digital Library*, pp. 0564-0567, May 2019 . DOI: 10.1109/ICCSP.2019.8698037
13. P. K. Guru Diderot, N. Vasudevan and K. Sakthidasan Sankaran, "An Efficient Fuzzy C-Means Clustering based Image Dissection Algorithm for Satellite Images," *IEEE Digital Explore* , pp. 0806-0809, May 2019. DOI: 10.1109/ICCSP.2019.8698054
14. Krishnan Sakthidasan, Natarajan Vasudevan, Paramesvarane Kumara Guru Diderot ;Chellakkutti Kadhiraivan , "WOAPR: An affinity propagation based clustering and optimal path selection for time-critical wireless sensor networks", *IET Networks*, Volume 8, Issue 2, pp. 100 – 106, ISSN: 2047-4962, March 2019. DOI: 10.1049/iet-net.2018.5081