

## **FACULTY PROFILE**



Dr. V.R. Prakash. M.E, Ph.D

Associate Professor

Hindustan Institute of Technology and Science

vrprakash@hindustanuniv.ac.in

Experience: 15 years

Research area: Image processing, Video processing

### **PATENT PUBLISHED**

**Title of Invention** : RAFT FOR MONITORING SEA WATER AND OHC SAFETY FOR AQUATIC ANIMAL USING WIRELESS SENSOR AREA NETWORKS.

**Application number** : 202041028764 A

**Current status** : Filed and Published

**Publication link** : [http://www.ipindia.nic.in/writereaddata/Portal/IPOJournal/1\\_4891\\_1/Part-1.pdf](http://www.ipindia.nic.in/writereaddata/Portal/IPOJournal/1_4891_1/Part-1.pdf)

**Patent Journal No** : 31/2020

**Page Number** : 28667

**Title of Invention** : Employment and skill gap identification technique using Machine learning for ITES sector

**Application number** : 2021100597

**Current status** : Grant Certificate (Australian Patent)

**Title of Invention** : Secure Device to Device connectivity mechanism for IOT smart

city Applications

**Application number** : 2021101443

**Current status** : **Grant Certificate** (Australian Patent)

### **Recent Publications:**

→An article entitled as “A Statistical Lower UWB Channel Model for in Body”. Communications Thirumaraiselvan, P., Sakthidasan Sankaran, K., Geo, V.B., Prakash, V.R., Vasudevan, N., Mobile Networks and Applications, 2019, 24(6), pp. 1814-1820

→An article entitled as Analysis of Feedforward Radix-2<sup>2</sup> FFT 4-Parallel Architecture Ramprabu, G., Rajmohan, V., Prakash, V.R., Shankar, N. Proceedings of the 2nd International Conference on Smart Systems and Inventive Technology, ICSSIT 2019, 2019, pp. 168-172, 8987876

→An article entitled as Access control based efficient hybrid security mechanisms for cloud storage Sankaran, K.S., Vasudevan, N., Prakash, V.R., Kumara Guru Diderot, P. Proceedings of the 2019 IEEE International Conference on Communication and Signal Processing, ICCSP 2019, 2019, pp. 564-567, 8698037

→An article entitled as Pattern generation and dimensionality reduction using CNN for image restoration Sankaran, K.S., Sasikumar, S., Vasudevan, N., Prakash, V.R., Babitha, L. Proceedings of the 2019 IEEE International Conference on Communication and Signal Processing, ICCSP 2019, 2019, pp. 559-563, 8697907

→ An article entitled as Image water marking using DWT to encapsulate data in medical image Sankaran, K.S., Abhi Rayna, H., Mangu, V., Prakash, V.R., Vasudevan, N. Proceedings of the 2019 IEEE International Conference on Communication and Signal Processing, ICCSP 2019, 2019, pp. 568-571, 8698057

→ An article entitled as Analysis of mammography techniques for breast cancer detection Diderot, P.K., Vasudevan, N., Prakash, V.R. 2019 International Conference on Wireless Communications, Signal Processing and Networking, WiSPNET 2019, 2019, pp. 127-130, 9032722

→ An article entitled as “Redundancy Removal with Proficient Run Length Coding and Development of statistical analysis with linear regression” has published in IJISTA-Inderscience publisher(SCOPUS)

→ An article entitled as “Utilizing global redundancy in BSVD for Efficient Video coding” has Published in IJCTA(SCOPUS), volume 9, issue 34, pp.no. 811-833

. → An article entitled as “Development of Improved Run-Length Coding Algorithm For Efficient Video Coding’ has published in IJPAM(SCOPUS), Volume 119 No. 15 2018, 593-608

→ V.R.Prakash, S.S.Manikandan, M.Saravanan, and P.Kumaraguru Diderot, Gain Enhancement of Dual Band Patch Antenna for Mobile Communication Systems. IEEE – INAE workshop on Electromagnetics 2018. (Accepted) (Extended paper will be included in International journal of RF and Microwave Computer-Aided Engineering – SCIE Indexed).

→ S.S.Manikandan, V.R.Prakash, M.Saravanan, and P.Kumaraguru Diderot, Design of MEMS Temperature sensor using Molybdenum Material for Enhancing its Performance. IEEE – EDKCON conference 2018. (Accepted) (Extended paper will be included in Journal of micromechanics and microengineering – SCI Indexed )

→ V.R.Prakash, , M.Saravanan, and S S Manikandan, “A Compact Graphene Based nanoantenna for communication in Nano network” has published in journal of theoretical computation and nanoscience.(Scopus), Vol 16 Iss:2