

### **Patents (Specify the details):**

A DEVICE FOR DATA TRANSACTION BETWEEN ELECTRONIC GADGETS USING  
VISIBLE LIGHT COMMUNICATION

Patent Applied on 31.12.2015

### **Book /Book Chapter Publication Details:**

1. A Book Chapter titled "A study on Neural Network based Brain Tumour Segmentation" published in Innovative Applications in Engineering and Technology (IAIET) P 69-71 July 2017.
2. A Book titled "Retinal Image Analysis using Neural Networks and Clustering Algorithms" Published by Scholars' Press in 2018
3. A Book Chapter titled "A Neural Network-Based Automatic Crop Monitoring Robot for Agriculture" published in IGI Global P203 -212, 2019.

### **Publications**

#### **International Journals :**

1. Dr.P.Vetrivelan et al., 2019, "Image Denoising using Wavelet Based Contourlet Transform" in **Journal of Electrical Engineering** , Vol 19 / 2019, Edition 2.
2. Dr.P.Vetrivelan et al., 2018, "Neural Network Classifier based Blurred and De-Blurred Image Classification for Bio Medical Application" in **Journal of Web Engineering**, Vol. 17, No.6.
3. Dr.P.Vetrivelan et al., 2017, "An Identification of Efficient Vessel Feature for Endoscopic Analysis" in **Research Journal of Pharmacy and Technology**, Vol 10, No 9, Pp 2633-2636.
4. Dr.P.Vetrivelan et al., 2017, "An Investigation of Bayes Algorithm and Neural Networks for Identifying the Breast Cancer" in **Indian Journal of Medical and Paediatric Oncology**, Vol 38, Issue 3, PP 340-344.
5. Dr.P.Vetrivelan et al., 2017, "Design of Smart Surveillance Security System Based on Wireless Sensor Network" in **International Journal of Research Studies in Science, Engineering and Technology**, Vol 4, Issue 5, PP 23-26.
6. Dr.P.Vetrivelan et al., 2017, " TB screening using SVM and CBC techniques" in **International Journal of Current Pediatric Research**, Volume 21, Issue 2, Pp 338-342.

7. Dr.P.Vetrivelan et al.,2017, "Peak To Average Power Ratio Reduction In OQAM/OFDM Based Cognitive Radio" in **IEEE-xplore-** IEEE International Conference on Science, Technology, Engineering and Management, Pp 216.
8. Dr.P.Vetrivelan and E.Udayakumar, 2015, "PAPR Reduction for OQAM/OFDM signals by using Neural Networks" in **International Journal of Applied Engineering Research**, Vol 10. No. 41.
9. Dr.P.Vetrivelan et al.,2015, "An analysis of Image compression using two out of two visual cryptography scheme", in the **Australian Journal of Basic and Applied Sciences**,9(27), Pp.677-680.