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RESEARCH ACTIVITIES

BOOK PUBLICATION:

- Published a book titled on “Problem Solving and Python Programming” Lulu Publishers, United States, 2019.
- Published a book titled on “Real Time Human Motion Tracking Algorithm with Image Alignment Optimization using Random Projection” Lambert Academic Publishing (LAP), Germany, 2016.

INTERNATIONAL JOURNALS:

- G. Susan Shiny, B. Muthu Kumar, “Agent Based Optimized EL-ABC Protocol for Energy Efficient Wireless Sensor Networks”, Sylwan Journal, Vol. 162, Issue 6, 2018, pp. 24 – 31. (SCI Journal)
- P. Sivakumar, B. Muthu Kumar, “A novel method to detect bleeding frame and region in wireless capsule endoscopy video”, Cluster Computing, (Springer), January 2018. (SCI Journal)
- Anitha. M , B. Muthu Kumar, Kavitha, S. Prabhakaran, “3-D Face Identification under Disruption using Masked Projection”, International Journal of Advanced Research Trends in Engineering and Technology, Vol. 4, Special Issue 5, March 2017, pp. 1 – 7. [UGC Approved Journal]
- Udhaya. M, B. Muthu Kumar, Kavitha, S.Prabhakaran, “Biometric Deceit Detection for Secure Authentication using Deep Learning”, International Journal of Advanced Research Trends in Engineering and Technology, Vol. 4, Special Issue 5, March 2017, pp. 17 – 26. [UGC Approved Journal]
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- Rekha. J, B. Muthu Kumar, Kavitha, S.Prabhakaran, “Content based Image Retrieval Using Multidimensional Texture, Edge Orientation Histogram and EDBTC Compression”, International Journal of Advanced Research Trends in Engineering and Technology, Vol. 4, Special Issue 5, March 2017, pp. 36 - 44. [UGC Approved Journal]

- P. Sivakumar, B. Muthu Kumar, “A novel method on earlier detection of bone cancer using Markov random field segmentation”, International Journal of Biomedical Engineering and Technology, (Inderscience) Vol. 23, Nos. 2/3/4, 2017, pp.148–158. (Scopus Journal)
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- P. Sivakumar, B. Muthu Kumar, “Location Tracking and Position Detection for Non – GPS Mobile users”, Asian Journal of Research in Social Sciences and Humanities, Vol. 6, Special Issue, September 2016, pp. 368 – 379.
- B. Muthukumar, S.S. Sivatha Sindhu, S. Geetha, A. Kannan, “Intelligent Network-Misuse-Detection-System using Neurotree Classifier”, Neural Network World, Vol. 25, No. 5, June 2015, pp. 541 – 564. (SCI Journal)
- Geetha Arun Prasad, Dr. B. MuthuKumar, S. Dhayanandh, “A Novel and Efficient Android Based Mobile Ad-Hoc Social Networks Model”, International Journal of Applied Engineering Research, Vol. 10. No. 15 May 2015. (Scopus Journal)
- B.Muthukumar, P.Sivakumar, P.Banumathi, “Feature Extraction and Feature Selection For Content – Based Image Classification Using Proclass Algorithm” International Journal of Applied Engineering Research, Vol. 10. No. 3 February 2015. (Scopus Journal)
- B.Muthukumar, P.Sivakumar, T.Bhagavathi Pushpa, “Image Registration Technique of Remote Sensing Image based on the SIFT Features” International Journal of Applied Engineering Research, Vol. 10. No. 2 January 2015. (Scopus Journal)
- P.Banumathi, Dr.G.M.Nasira, Dr.B.Muthukumar, “Artificial Neural Network Technique, Statistical and FFT in identifying defect in plain woven fabric” CiiT International Journal of Artificial Intelligent Systems and Machine Learning, Vol 6, No 5 June 2014.
- K.P.Ammu, C.R.Suregshi, Dr.B.Muthukumar, “Elimination of expensive auditing task and avoid the outsourced data leakage using MUPAP” CiiT International Journal of Automation and Autonomous System, Vol 6, No 4 June 2014.
- J.Ragaventhiran, G.Sharmila, Dr.B.Muthukumar, “A Process of Delivering the Mail Message in Domain Level Authentication Framework using Grid Computing”, CiiT

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- B.Muthukumar, Dr.S.Ravi, “Adaptive Human Motion Estimation Filter with Integrated Phase Compensator” International Journal of Computer Science and Network Security (IJCSNS), Vol.12, No.7, July 2012.
- B.Muthukumar, Dr.S.Ravi, “Face Recognition using Random Projection with Neural Network”, International Journal on Engineering & Advanced Technology (IJEAT) Vol. 1, Issue 3, February 2012. (Scopus Journal)
- B.Muthukumar, Dr.S.Ravi, “Tracking the human motion in real time using Star Skeleton Model”, International Journal on Engineering & Advanced Technology (IJEAT) Vol.1, Issue 3, February 2012. (Scopus Journal)
- B.Muthukumar, Dr.S.Ravi, “Optimization of Maximizing and Aligning the Images Using Face Alignment Model”, International Journal on Science & Technology (IJSAT) Vol. II, Special Issue I, Oct -Dec 2011.
- B.Muthukumar, Dr.S.Ravi, “An MRF Model -Based Approach to Recovery the Defocused Images Using GMM Segmentation Technique”, Journal of Research in Recent Trends (JRRT), October 2011.
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- B.Muthukumar, P.Banumathi, T.K.P. Rajagopal, “Optimizing the Usage of Bandwidth in Heterogeneous Wireless Networks Using CTSP Mechanism”, CiiT International Journal of Wireless Communication, November 2010.
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