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Publications:

1) Buvaneswari PR & R.Gayathri, "Deep learning based segmentation in classification of Alzheimer's Disease"has been accepted for publication in Arabian Journal for Science and Engineering., **Science Citation Index Expanded** with **impact factor 1.7 (Clarivate analytics)**.

2) Sherin shibi & R.Gayathri, "Target Object Detection using Chicken Social-Based Deep Belief Network with Hyperspectral Imagery" has been accepted for publication in **IET Image processing (England).**, **Science Citation Index Expanded** with **impact factor 2.6 (Clarivate analytics)**.

3) Babitha lincy & R.Gayathri,"Optimally Configured Convolutional Neural Network for Tamil Handwritten Character Recognition by improved Lion Optimization Model", has been published in the **Springer**, "Multimedia tools and applications, with ISSN 1380-7501, **Science Citation Index Expanded** with **impact factor: 2.313 (Clarivate analytics)**,

4) R, Srinath; & R, Gayathri, Detection and classification of electroencephalogram signals for epilepsy disease using machine learning methods, has been published in the International Journal of Imaging Systems and Technology. 2020, pp 1-12 With ISSN 0899-9457 / 1098- 1098, **Science Citation Index Expanded** with **impact factor 1.925 (Clarivate analytics)**.

5) Komathi B, Gayathri R, "Comparative Analysis of Support Vector Machine for Hyper spectral Image Classification". International Journal of Innovative Research in Technology (IJITEE) ISSN: 2349-6002, pp. 133-139, Volume-7 Issue-1, June 2020.

6) C. S. Shibi and R. Gayathri, "Performance Analysis of Hyperspectral Supervised Target Detection Algorithms," 2019 Fifth International Conference on Science Technology Engineering and Mathematics (ICONSTEM), Chennai, India, 2019, pp. 511- 515.doi:10.1109/ICONSTEM.2019.8918790. Publisher IEEE digital library.

7) Akila G, Gayathri R, "Advances in Scene Classification of Remotely Sensed High Resolution Images and the Existing Datasets', International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, pp. 1643-1647, Volume-8 Issue-10, August 2019. 133-139

8) Sheriff M, Gayathri R, "Attention Deficit Hyperactivity Disorder (Adhd) Detection Methods" , International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277 – 3878, pp. 242 – 244, Volume-8, Issue-2S5, July 2019. Scopus indexed.

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10) M.Kavitha & R.Gayathri, "Implications of Remote Sensing Data Analysis Using Deep Learning Techniques" , Journal of Computational and Theoretical Nanoscience, Volume 15, Numbers 9-10, September 2018, pp. 2857-2862.

11) Babitha lincy & R.Gayathri, "A Survey on Handwritten Character Recognition Techniques for Tamil Language", International Journal of Engineering & Technology, 7 (3.34) (2018) 975-979.

12) Gayathri R, M. Anantha Bhairavi, D. Aravind, "An Intelligent and Real Time System for Automatic Driven Toll Gate System under Complex Scenes" International Journal of Computational Intelligence Research ISSN 0973-1873 Volume 14, Number 1 (2018), pp. 1- 13, (IF 1.57), UGC listed journal.

13) R.Gayathri, E.Roshith, "Implementation of Arduino based Enhanced Fingerprint Biometric System for Secured Data Exchange", International Journal of Computational Intelligence Research, ISSN 0973-1873 Volume 13, Number 8 (2017), pp. 2113-2123.

14) R.Gayathri, E.Roshith, "Gesticulation Based Smart Surface with Enhanced Biometric Security using Raspberry Pi", International Journal of Computer Science Issues, olume 14, Issue 5, September 2017 ISSN (Print): 1694-0814 | ISSN (Online): 1694-0784

15) Jose Nisha J and Gayathri R "Multifeature Biometric Based Authentication System (MBBAS)" International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), Volume 6, Issue 3, May- June 2017.

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