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Important Research Publications

[1]   Arkaprava Bhaduri Mandal, Deepak Agnihotri, Tanmoy Kanti Das . An Adversarial Technique for Removal of JPEG Ghosts. International Journal of Computer Applications. 186, 10 (Feb 2024), 1-8. DOI=10.5120/ijca2024923448, URL:https://ijcaonline.org/archives/volume186/number10/mandal-2024-ijca-923448.pdf

[2]   Deepak Agnihotri, Kesari Verma, and Priyanka Tripathi. An automatic classification of text documents based on correlative association of words. *Journal of Intelligent Information Systems*, 50(3): 549–572, Jun 2018a. ISSN 1573-7675. doi: 10. 1007/s10844-017-0482-3. URL https://doi.org/10.1007/s10844-017-0482-3.

[3]   Deepak Agnihotri, Kesari Verma, and Priyanka Tripathi. Variable global feature selection scheme for automatic classification of text documents. *Expert Systems with Applications*, 81:268 – 281, 2017a. ISSN 0957-4174. doi: https://doi. org/10.1016/j.eswa.2017.03.057. URL http://www.sciencedirect.com/science/ article/pii/S0957417417302208.

[4]   Deepak Agnihotri, Kesari Verma, and Priyanka Tripathi. Computing symmetrical strength of n-grams: a two pass filtering approach in automatic classification of text documents. *SpringerPlus*, 5(1):942, Jun 2016a. ISSN 2193-1801. doi: 10. 1186/s40064-016-2573-y. URL https://doi.org/10.1186/s40064-016-2573-y.

[5]   Deepak Agnihotri, Kesari Verma, Priyanka Tripathi, and Bikesh Kumar Singh. Soft voting technique to improve the performance of global filter based feature selec- tion in text corpus. *Applied Intelligence*, Nov 2018b. ISSN 1573-7497. doi: 10. 1007/s10489-018-1349-1. URL https://doi.org/10.1007/s10489-018- 1349-1.

[6]   Deepak Agnihotri, Tarun Kumar, and Dalchand Jhariya. Intelligent vulnerability prediction of soil erosion hazard in semi-arid and humid region. *Environment, Development and Sustainability*, March 2020. ISSN 1387-585X. doi: https://doi.org/10.1007/s10668-020-00685-2. URL

https://doi.org/10.1007/ s10668-020-00685-2.

[7]   D. Agnihotri, K. Verma, P. Tripathi, and N. Choudhary. A review of techniques to determine the optimal word score in text classification. *Advances in Intelligent Systems and Computing*, 696:497–507, 2018c. doi: 10.1007/978-981-10-7386-1_43. URL https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044434939&doi=10.1007%2f978-981-10-7386-1_43&partnerID=40&md5=151e5dd347c61d292441fc24c4e54fc3.

[8]   Deepak Agnihotri, Kesari Verma, and Priyanka Tripathi. An empirical study of clustering algorithms to extract knowledge from pubmed articles. *Transactions on Machine Learning and Artificial Intelligence*, 5(3):13, 2017b.

[9]   Deepak Agnihotri, Kesari Verma, and Priyanka Tripathi. Mutual information using sample variance for text feature selection. In *Proceedings of the 3rd International Conference on Communication and Information Processing*, ICCIP '17, pages 39– 44, New York, NY, USA, 2017c. ACM. ISBN 978-1- 4503-5365-6. doi: 10.1145/3162957.3163054. URL http://doi.acm.org/10.1145/3162957.3163054.

[10]   Deepak Agnihotri, Kesari Verma, and Priyanka Tripathi. Computing correlative association of terms for automatic classification of text documents. In *Proceedings of the Third International Symposium on Computer Vision and the Internet*, Vision- Net'16, pages 71–80, New York, NY, USA, 2016b. ACM. ISBN 978-1-4503-4301-5. doi:10.1145/2983402.2983424.URLhttp://doi.acm.org/10.1145/2983402.2983424.

[11]   Deepak Agnihotri, Kesari Verma, and Priyanka Tripathi. Pattern and cluster mining on text data. In *Communication Systems and Network Technologies (CSNT), 2014 Fourth International Conference on*, pages 428–432. IEEE, 2014.

Invited Lectures

[1]   One Week Short Term Training Program on "Big Data Technologies: Python Programming and Apache Spark", Organized by Dept. of Information Technology, National Institute of Technology Raipur, 8 Jan-12 Jan, 2020.

[2]   One Week Short Term Training Program on "Python Programming and its Applications", Organized by Dept. of Information Technology and Dept. of Computer Science and Engineering, National Institute of Technology Raipur, 19 June-23 June, 2019.

[3]   One Week Short Term Training Program on "Java Programming and its Applications", Organized by Dept. of Information Technology, National Institute of Technology Raipur, 17 April-21 April, 2019.

Peer Review activities

[1]   Review activity for Artificial Intelligence Review (1), journal Springer Nature, ISSN: 0269-2821, Review date: 2019, Type: review, Role: reviewer, Review identifier(s) SOURCE-WORK-ID: 86388103-0a1f-4620-a968-71aa58382c5a, Convening organization: Springer Nature (New York, US), Source: Springer Nature.

[2]   Review activity for Environment, Development and Sustainability (4), journal Environment, Development and Sustainability, ISSN: 1387-585X, Review year: 2020, 2019, 2019, 2019, Type: review, Role: reviewer, Source: Springer Nature.

[3]   Review activity for Engineering Optimization (1), journal Taylor & Francis, Print ISSN: 0305-215X Online ISSN: 1029-0273, Review year: 2021, Type: review, Role: reviewer, Source: Taylor & Francis.

[4]   Review activity for The Visual Computer (1), journal Springer Nature, ISSN: 0178-2789, Review year: 2020, Type: review, Role: reviewer, Source: Springer Nature.

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