

modified neural network from feed forward neural network to backpropagation neural network which gives better training with minimum error to neural network & also generate better summary than previous. Also we modified our program by adding Rhetorical Structure Theory provides a combination of features that useful in several kinds of discourse studies & also provide some features to form better summary than previous. As we can see in our results f-measure of our algorithm that is NN with RST is 16.29% more efficient than copernicus & 2.23% more efficient than NN.

References

- [1] M S Patil, M S Bewoor, S H Patil," Survey on Extractive Text Summarization Approaches", NCITM: 2014.
- [2] Md. Majharul Haque, Suraiya Pervin, and Zerina Begum," Literature Review of Automatic Multiple Documents Text Summarization", International Journal of Innovation and Applied Studies ISSN 2028-9324 Vol. 3 No. 1 May 2013, pp. 121-129 2013.
- [3] Khosrow Kaikhah "Text Summarization Using Neural Networks", Department of Faculty Publications-Computer Science, Texas State University, eCommons, 2004.
- [4] Vishal Gupta & Gurpreet Singh Lehal, "A Survey of Text Summarization Extractive Techniques", Journal Of Emerging Technologies In Web Intelligence, Vol. 2, No. 3, August 2010.
- [5] J. Kupiec, J. Pederson and F. Chen, "A Trainable Document Summarizer", Proceedings of the 18th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval, Seattle, Washington, pp. 68-73, 1995.
- [6] M. Karthikeyan & K.G. Srinivasagan," Multi-Documents and Multi-Lingual Summarization using Neural Networks" International Conference on Recent Trends in Computational Methods, Communication and Controls (ICON3C 2012) Proceedings published in International Journal of Computer Applications (IJCA)
- [7] W.T. Chuang and J. Yang, "Extracting sentence segments for text summarization: a machine learning approach", Proceedings of the 23rd Annual International ACM SIGIR Conference on Research and Development in Information Retrieval, Athens, Greece, pp. 152-159, 2000.
- [8] Nicolaos B. Karayiannis," A Methodology for Constructing Fuzzy Algorithms for Learning Vector Quantization", IEEE TRANSACTIONS ON NEURAL NETWORKS, VOL. 8, 1997
- [9] Guangbing Yang, Dunwei Wen, Kinshuk, Nian-Shing Chen and Erkki Sutinen," Personalized Text Content Summarizer for Mobile Learning: An Automatic Text Summarization System with Relevance Based Language Model", IEEE Fourth International Conference on Technology for Education, 2012
- [10] Julian Kupiec, Jan Pedersen and Francine Chen, "A Trainable Document Summarizer" Xerox Palo Alto Research Center 3333 Coyote Hill Road, Palo Alto, CA 94304.
- [11] Ms. Pallavi D. Patil, Prof. N. J. Kulkarni, "Text Summarization Using Fuzzy Logic" International Journal of Innovative Research in Advanced Engineering (IJIRAE) Volume 1 Issue 3 (May 2014) SPECIAL ISSUE
- [12] Sandra A. Thompson, William C. Mann," Rhetorical Structure Theory: A Framework for the Analysis of Texts", IPM Papers in Pragmatics I, No.1 , 79-105. (1987)
- [13] Simon H. Corston-Oliver, "Identifying the linguistic Correlates of Rhetorical Relations", Microsoft research one Microsoft way, Redmond WA 98052-6399 USA.
- [14] Eva Forsbom "Rhetorical Structure Theory in Natural Language Generation", Uppsala University and GSLT GSLT: Natural Language Generation Teacher: Hercules Dalianis Spring 2005.
- [15] Nick Nicholas," Parameters for Rhetorical Structure Theory Ontology", University of Melbourne
- [16] Mr. Sarda A.T., Mrs. Kulkarni A.R.," Text Summarization using Neural Networks and Rhetorical Structure Theory", International Journal of Advanced Research in Computer and Communication Engineering Vol. 4, Issue 6, June 2015