

REFERENCES

- [1] R. Vijayakrishna and L. Sobha, "Domain Focused Named Entity Recognizer for Tamil Using Conditional Random Fields," in *Proceedings of the IJCNLP-08 Workshop on NER for South and South East Asian Languages*, 2008, pp. 59–66.
- [2] Malarkodi C.S, Pattabhi, R.K & Sobha L 2012, 'Tamil NER–Coping with Real Time Challenges', *Proceedings of the Workshop on Machine Translation and Parsing in Indian Languages(MTPIL-2012)*, COLING, pp. 23-38.
- [3] Pillai, A. Sivathanu and L. Sobha. "Named Entity Recognition for Indian Languages: A Survey." (2013).
- [4] J. Dahanayaka and A. Weerasinghe, "Named entity recognition for sinhala language," in *2014 14th International Conference on Advances in ICT for Emerging Regions (ICTer)*. IEEE, 2014, pp. 215–220.
- [5] Theivendiram, Pranavan & Uthayakumar, Megala & Nadarasamoorthy, Nilusija & Thayaparan, Mokbanarangan & Jayasena, Sanath & Dias, Gihan & Ranathunga, Surangika. (2018). Named-Entity-Recognition (NER) for Tamil Language Using Margin-Infused Relaxed Algorithm (MIRA). 10.1007/978-3-319-75477-2_33.
- [6] Nathan, Malarkodi & devi, Lalitha. (2020). Fine-Grained Named Entity Recognizer for Tamil.Tamil Internet Conference (TIC 2019)
- [7] Rajendran, Srinivasan & Cn, Subalalitha. (2019). Automated Named Entity Recognition from Tamil Documents. 1-5. 10.1109/ICESIP46348.2019.8938383.
- [8] R. Azeez and S. Ranathunga, "Fine-Grained Named Entity Recognition for Sinhala," *2020 Moratuwa Engineering Research Conference (MERCon)*, 2020, pp. 295-300, doi: 10.1109/MERCon50084.2020.9185296.
- [9] Malarkodi C S and Sobha Lalitha Devi. 2020. A Deeper Study on Features for Named Entity Recognition. In *Proceedings of the WILDRE5– 5th Workshop on Indian Language Data: Resources and Evaluation*, pages 66–72, Marseille, France. European Language Resources Association (ELRA).
- [10] Maithilee L. Patawar and M. A. Potey2. (2016).Named Entity Recognition from Indian tweets using Conditional Random Fields based Approach. *International Journal of Advanced Research in Computer Engineering & Technology (IJARCET)* Volume 5, Issue 5, May 2016
- [11] Thenmalar, S. J. Balaji, and T.V. Geetha, "Semi-supervised Bootstrapping approach for Named Entity Recognition," *International Journal on Natural Language Computing.*, Vol. 4, no. 5, pp. 01-14, October 2015.
- [12] Patil, Nita & Patil, Ajay & Pawar, B.V.. (2020). Named Entity Recognition using Conditional Random Fields. *Procedia Computer Science*. 167. 1181-1188. 10.1016/j.procs.2020.03.431.

- [13] Ekbal, A., Haque, R., & Bandyopadhyay, S. (2008). Named Entity Recognition in Bengali: A Conditional Random Field Approach. IJCNLP.
- [14] Sobhana, N.V & Pabitra, Mitra & Ghosh, Soumya. (2010). Conditional Random Field Based Named Entity Recognition in Geological text. International Journal of Computer Applications. 1. 10.5120/72-166.
- [15] Prakash Hiremath & Shambhavi B. R. A Survey on Named Entity Recognition for South Indian Languages International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-3 Issue-6, August 2014
- [16] J. Li, A. Sun, J. Han, and C. Li, “A survey on deep learning for named entity recognition,” arXiv preprint arXiv:1812.09449, 2018.
- [17] Maud Ehrmann, Ahmed Hamdi, Elvys Linhares Pontes, Matteo Romanello, and Antoine Doucet. Named entity recognition and classification on historical documents: A survey. arXiv preprint arXiv:2109.11406, 2021
- [18] Nissim, Malvina & Matheson, Colin & Reid, James. (2004). Recognising Geographical Entities in Scottish Historical Documents.
- [19] Lucia C. Passaro and Alessandro Lenci. 2014. ”il piave mormorava...”: Recognizing locations and other named entities in italian texts on the great war. In Proceedings of the First Italian Conference on Computational Linguistics CLiC-it 2014 & and of the Fourth International Workshop EVALITA 2014, pages 286–290, Pisa (Italy).
- [20] Neudecker, C., Wilms, L., Faber, W. J. und Veen, T. van (2014). Large-scale refinement of digital historic newspapers with named entity recognition. In: Proceedings of the IFLA 2014 Newspaper Section Satellite Meeting.
- [21] Teemu Ruokolainen and Kimmo Kettunen. 2018. À La Recherche Du Nom Perdu–Searching for Named Entities with Stanford NER in a Finnish Historical Newspaper and Journal Collection. In 13th IAPR International Workshop on Document Analysis Systems. IEEE Computer Society, Vienna, Austria, 1–2.
- [22] Sunghwan Mac Kim and Steve Cassidy. 2015. Finding Names in Trove: Named Entity Recognition for Australian Historical Newspapers. In Proc. of the Australasian Language Technology Association Workshop 2015. ACL, Parramatta, Australia, 57–65
- [23] Blouin Baptiste, Benoit Favre, Jeremy Auguste, Christian Henriot. Transferring Modern Named Entity Recognition to the Historical Domain: How to Take the Step?. *Workshop on Natural Language Processing for Digital Humanities (NLP4DH)*, Dec 2021, Silchar (Online), India.
- [24] Stefan Schweter and Johannes Baiter. 2019. Towards Robust Named Entity Recognition for Historic German. In Proc. of the 4th Workshop on Representation Learning for NLP (RepL4NLP-2019). ACL, Florence, Italy, 96–103.

- [25] Vignesh N and S.Sowmya. "Automatic Question Generator in Tamil." International Journal of Engineering Research & Technology (IJERT) Vol. 2 Issue 10, October - 2013 IJERTIJERT ISSN: 2278- 0181
- [26] Hariharan, V., Kumar, M. A., & Soman, K. P. (2019). Named Entity Recognition in Tamil Language Using Recurrent Based Sequence Model. In Innovations in Computer Science and Engineering (pp. 91-99). Springer, Singapore.
- [27] Pannerselvam, Kathiravan & Rajiakodi, Saranya. (2021). Named Entity Recognition (NER) for Social Media Tamil Posts Using Deep Learning with Singular Value Decomposition.
- [28] Lovenia, Holy & Limanta, Felix & Gunawan, Agus. (2018). Automatic Question-Answer Pairs Generation from Text. 10.13140/RG.2.2.33776.92162.
- [29] P. Sharma, U. Sharma and J. Kalita, "Named entity recognition in Assamese using CRFS and rules," *2014 International Conference on Asian Language Processing (IALP)*, Kuching, 2014, pp. 15-18, doi: 10.1109/IALP.2014.6973498.
- [30] Dissanayake, Teshani & Hettige, Buddhitha. (2021). Thematic Relations Based QA Generator for Sinhala.
- [31] Deepali K. Gaikwad , C. Namrata Mahender. 2018."Question Generation System for Marathi Text" International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT).(2017).Vol.3(ISSN : 2456-3307)
- [32] Dhaval Swali, Jay Palan, Ishita Shah. "Automatic Question Generation from Paragraph", International Journal of Advanced Engineering and Research Development.
- [33] Priti Gumaste, Shreya Joshi, Srushtee Khadpekar, Shubhangi Mali.(2020). AUTOMATED QUESTION GENERATOR SYSTEM USING NLP LIBRARIES. International Research Journal of Engineering and Technology (IRJET) Volume 7, Issue 6, June 2020
- [34] Asif Ekbal, Rejwanul Haque, and Sivaji Bandyopadhyay. 2008. Named entity recognition in Bengali: A conditional random field approach. In Proceedings of IJCNLP, pages 589-594.
- [35] Nasser Alshammari, Saad Alanazi. "The impact of using different annotation schemes on named entity recognition", Egyptian Informatics Journal, 2020
- [36] Mazidi, K., & Nielsen, R. D. (2015). Leveraging multiple views of text for automatic question generation. In Conati, C., Heffernan, N., Mitrovic, A., Verdejo,

M.F. (Eds.) *Artificial intelligence in education* (pp. 257–266). Cham: Springer International Publishing.

[37] Huang, Y., & He, L. (2016). Automatic generation of short answer questions for reading comprehension assessment. *Natural Language Engineering*, 22(3), 457–489.

[38] Jouault, C., Seta, K., Hayashi, Y. (2017). SOLS: An LOD based semantically enhanced open learning space supporting self-directed learning of history. *IEICE Transactions on Information and Systems*, 100(10), 2556–2566

[39] Mazidi, K., & Tarau, P. (2016b). Infusing NLU into automatic question generation. In: the 9th International Natural Language Generation conference, pp. 51–60.

[40] Zhang, L., & VanLehn, K. (2016). How do machine-generated questions compare to human-generated questions? *Research and Practice in Technology Enhanced Learning*, 11(7).

[41] Blstak, M., & Rozinajov a, V. (2017). Machine learning approach to the process of question generation. In Blstak, M., & Rozinajov a, V. (Eds.) *Text, speech, and dialogue* (pp. 102–110). Cham: Springer International Publishing

[42] Kaur, A., & Singh, S. (2017). Automatic question generation system for Punjabi. In: *The international conference on recent innovations in science, Agriculture, Engineering and Management*

[43] Liu, M., Rus, V., Liu, L. (2017). Automatic Chinese factual question generation. *IEEE Transactions on Learning Technologies*, 10(2), 194–204.

[44] Blstak, M., & Rozinajov a, V. (2018). Building an agent for factual question generation task. In *2018 World symposium on digital intelligence for systems and machines (DISA)* (pp. 143–150).

[45] Flor, M., & Riordan, B. (2018). A semantic role-based approach to open-domain automatic question generation. In: the 13th Workshop on Innovative Use of NLP for Building Educational Applications, pp. 254–263.

[46] Kumar, V., Boorla, K., Meena, Y., Ramakrishnan, G., Li, Y. F. (2018). Automating reading comprehension by generating question and answer pairs. In Phung, D., Tseng, V.S., Webb, G.I., Ho, B., Ganji, M., Rashidi, L. (Eds.) *Advances in knowledge discovery and data mining* (pp. 335–348).

[47] Kusuma, S. F., & Alhamri, R. Z. (2018). Generating Indonesian question automatically based on Bloom's taxonomy using template based method. *KINETIK*:

Game Technology, Information System, Computer Network, Computing, Electronics, and Control, 3(2), 145–152.

[48] Lee, C.H., Chen, T.Y., Chen, L.P., Yang, P.C., Tsai, R.TH. (2018). Automatic question generation from children’s stories for companion chatbot. In: 2018 IEEE International Conference on Information Reuse and Integration (IRI), pp. 491–494.

[49] Marrese-Taylor, E., Nakajima, A., Matsuo, Y., Yuichi, O. (2018). Learning to automatically generate fill-in-the-blank quizzes. In: the 5th workshop on natural language processing techniques for educational applications

[50] Wang, Z., Lan, A.S., Nie, W., Waters, A.E., Grimaldi, P.J., Baraniuk, R.G. (2018). QG-net: a data-driven question generation model for educational content. In: the 5th Annual ACM Conference on Learning at Scale, pp. 15–25.

[51] Zhang, T., Quan, P., et al. (2018). Domain specific automatic Chinese multiple-type question generation. In 2018 IEEE International Conference on Bioinformatics and Biomedicine (BIBM), IEEE, pp. 1967– 1971.

[52] Tamura, Y., Takase, Y., Hayashi, Y., Nakano, Y. I. (2015). Generating quizzes for history learning based on Wikipedia articles. In Zaphiris, P., & Ioannou, A. (Eds.) Learning and collaboration technologies (pp. 337–346).

[53] Helena Hubková, Pavel Kral, and Eva Pettersson. 2020. Czech Historical Named Entity Corpus v 1.0. In Proc. of the 12th Language Resources and Evaluation Conference. ELRA, Marseille, France, 4458–4465.

[54] Tanti Kristanti and Laurent Romary. 2020. DeLFT and Entity-Fishing: Tools for CLEF HIPE 2020 Shared Task. In Working Notes of CLEF 2020 - Conference and Labs of the Evaluation Forum, Linda Cappellato, Carsten Eickhoff, Nicola Ferro, and Aurélie Névél (Eds.), Vol. 2696. CEUR-WS, Thessaloniki, Greece, 1–10.

[55] Vera Provatorova, Svitlana Vakulenko, Evangelos Kanoulas, Koen Dercksen, and Johannes M van Hulst. 2020. Named Entity Recognition and Linking on Historical Newspapers: UvA.ILPS & REL at CLEF HIPE 2020. In Working Notes of CLEF 2020 - Conference and Labs of the Evaluation Forum, Linda Cappellato, Carsten Eickhoff, Nicola Ferro, and Aurélie Névél (Eds.), Vol. 2696. CEUR-WS, Thessaloniki, Greece, 8.

[56] Stefan Schweter and Luisa März. 2020. Triple E - Effective Ensembling of Embeddings and Language Models for NER of Historical German. In Working Notes of CLEF 2020 - Conference and Labs of the Evaluation Forum, Linda Cappellato, Carsten Eickhoff, Nicola Ferro, and Aurélie Névél (Eds.), Vol. 2696. CEUR-WS, Thessaloniki, Greece, 1–13.

- [57] Kurdi, Ghader & Leo, Jared & Parsia, Bijan & Sattler, Uli & Al-Emari, Salam. (2019). A Systematic Review of Automatic Question Generation for Educational Purposes. *International Journal of Artificial Intelligence in Education*. 30. 10.1007/s40593-019-00186-y.
- [58] Xinya Du and Claire Cardie. 2017. Identifying where to focus in reading comprehension for neural question generation. In *Conference on Empirical Methods in Natural Language Processing (EMNLP)*, pages 2067–2073.
- [59] Sun, Yuan & Chen, Chaofan & Chen, Andong & Zhao, Xiaobing. (2021). Tibetan Question Generation Based on Sequence to Sequence Model. *Computers, Materials & Continua*. 68. 3203-3213. 10.32604/cmc.2021.016517.
- [60] Yao Zhao, XiaochuanNi, YuanyuanDing, and Qifa Ke. 2018. Paragraph-level neural question generation with maxout pointer and gated self-attention networks. In *Conference on Empirical Methods in Natural Language Processing (EMNLP)*, pages 3901–3910.
- [61] Yanghoon Kim, Hwanhee Lee, Joongbo Shin, and Kyomin Jung. 2019. Improving neural question generation using answer separation. In *AAAI Conference on Artificial Intelligence (AAAI)*.
- [62] Alexander Fabbri, Patrick Ng, Zhiguo Wang, Ramesh Nallapati, and Bing Xiang. 2020. Template-Based Question Generation from Retrieved Sentences for Improved Unsupervised Question Answering. In *Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics*, pages 4508–4513, Online. Association for Computational Linguistics.
- [63] Iulian Vlad Serban, Alberto García-Durán, Caglar Gulcehre, Sungjin Ahn, Sarath Chandar, Aaron Courville, and Yoshua Bengio. 2016. Generating Factoid Questions With Recurrent Neural Networks: The 30M Factoid Question-Answer Corpus. In *Proceedings of the 54th Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers)*, pages 588–598, Berlin, Germany. Association for Computational Linguistics.
- [64] Reddy, Sathish & Raghu, Dinesh & Khapra, Mitesh & Joshi, Sachindra. (2017). Generating Natural Language Question-Answer Pairs from a Knowledge Graph Using a RNN Based Question Generation Model. 376-385. 10.18653/v1/E17-1036.
- [65] Rakshit, Geetanjali & Flanigan, Jeffrey. (2021). ASQ: Automatically Generating Question-Answer Pairs using AMRs.
- [66] Preksha Nema and Mitesh M. Khapra. 2018. Towards a Better Metric for Evaluating Question Generation Systems. In *Proceedings of the 2018 Conference on*

Empirical Methods in Natural Language Processing, pages 3950–3959, Brussels, Belgium. Association for Computational Linguistics.

[67] J. Li, A. Sun, J. Han and C. Li, "A Survey on Deep Learning for Named Entity Recognition," in *IEEE Transactions on Knowledge and Data Engineering*, vol. 34, no. 1, pp. 50-70, 1 Jan. 2022, doi: 10.1109/TKDE.2020.2981314.

[68] A.Salini and U.Jeyapriya, "Named Entity Recognition Using Machine Learning Approaches", in *International Journal of Innovative Research in Science, Engineering and Technology*, Vol. 6, Special Issue 11, Sep 2017.

[69] Pan, Liangming & Lei, Wenqiang & Chua, Tat-Seng & Kan, Min-Yen. (2019). *Recent Advances in Neural Question Generation*.

[70] N. Alsaaran and M. Alrabiah, "Classical Arabic Named Entity Recognition Using Variant Deep Neural Network Architectures and BERT," in *IEEE Access*, vol. 9, pp. 91537-91547, 2021, doi: 10.1109/ACCESS.2021.3092261.

[71] Goyal A, Gupta V, Kumar M (2021) A deep learning-based bilingual hindi and punjabi named entity recognition system using enhanced word embeddings. *Knowl Based Syst*, 107601

[72] Eligüzel, N., Çetinkaya, C. & Dereli, T. Application of named entity recognition on tweets during earthquake disaster: a deep learning-based approach. *Soft Comput* 26, 395–421 (2022).

[73] T. Al-Moslmi, M. Gallofré Ocaña, A. L. Opdahl and C. Veres, "Named Entity Extraction for Knowledge Graphs: A Literature Overview," in *IEEE Access*, vol. 8, pp. 32862-32881, 2020, doi: 10.1109/ACCESS.2020.2973928.