In this paper, the researcher presents an automatic fill-in-the-blanks with distractors generation from the given corpus. Distractor means multiple choices provided, i.e., four options are provided out of which three are distractors and one is the correct answer. The system is developed in Java using JDBC and MySQL for storing the question, both are open-source. Stanford NLP parser is used for parsing the sentences and generating informative questions. POS tagger and NER functionality of the parser are used to encode the sentence. NER functionality is also used to identify whether the key selected is Name, Place, or Organization.

References

Automatic Fill in the Blanks with Distractor Generation from given Corpus

Manish Agarwal and Prashanth Mannem: Automatic Gap-fill Question generation from text books
- Nikiforos Karamanis, Le An Ha and Ruslan Mitkov: Generating Multiple-Choice Test Items from Medical Text: A Pilot Study
- RUSLAN MITKOV, LE AN HA and NIKIFOROS KARAMANIS: A computer-aided environment for generating multiple-choice test items (2005)
- Takuya Goto, Tomoko Kojiri, Toyohide Watanabe, Tomoharu Iwata, Takeshi Yamada: Automatic Generation System of Multiple-Choice Cloze Questions and its Evaluation

Index Terms

Computer Science
Information Sciences

Keywords
Distractor  NER Feature  POS tagger  Name Place  Organization