**USING NLP Technique to generate MCQ from Given Article**

\*\*\* **Automate Assessment Test** \*\*\*

Step 1: -- Abstractive/Extractive summarization [Text Summarization]

Step 2: --Identify key sentences [KeywordProcessor]

Step 3: --Identify keyword from Sentence [Yake, TopicRank]-WSD

Step 4: --Distractors generation [wordnet, sent2vec]-WSD (Bert)

Step 5: --Form MCQ Generation [T5 transformer]

**\*\*\*\*Article** on **MCQ Generation**:

<https://datasciencemilan.medium.com/question-generation-using-nlp-95e21a42b51e>

\*\*\*\***MCQ GENERATOR YOUTUBE DEMO LINK**: <https://www.youtube.com/watch?v=x08SqsVfgmQ&t=272s>

\*\*\*\* **MCQ GENERATOR WEB DEMO LINK**:

1) <https://app.quillionz.com/Question/Index/>

2) <https://questgen.ai/>

\*\*\*\* **MCQ GENERATE GITHUB LINK**:

1) <https://github.com/Kunal-Varma/MCQ-generator-using-AI>

2) <https://github.com/KristiyanVachev/Question-Generation>

3) <https://github.com/ramsrigouthamg/BERT_generate_grammar_MCQ_from_news_article>

## General idea

The idea is to generate multiple choice answers from text, by splitting this complex problem to simpler steps:

1. Identify keywords from the text and use them as answers to the questions.

2.Replace the answer from the sentence with *blank space* and use it as the base for the question.

3.Transform the sentence with a blank space for answer to a more *question-like sentence*.

4.Generate distractors, words that are similar to the answer, as *incorrect answers*.