Abstract

Automatic question generation and text summarization can be used to make the process of studying or teaching a lesson much more efficient and also effective at the same time. With the advancement of technology, everything in the world is automating, and the education sector represents a major character in that development to make things more comfortable and meaningful. Therefore, a perfect tool for students and teachers could be created with the combination of converting speech to text with modern technologies. This paper presents an intelligent question generation and lesson summarization system (Examally) which allows the student to get a summarization or a set of questions based on a specific lesson or chapter and study in a much more efficient manner by managing their study time. This system will make studying easier and save the valuable time of a student and also help the lecturers/teachers to save their time and effort when they have to give a small test, or a summary based on a lecture/lesson they deliver. Therefore, in this system, a user can input a textual document or an audio recording of a lesson to get it summarized or generate questions out of it. Generated
Intelligent Questions and Summary Generator - Examally

questions will be in WH, binary, gap-fill and MCQ formats. With the failure of existing systems to provide such a wide variety of functionalities with a sense of completeness as in the proposed system, current products have not been able to make a considerable impact on our lives. Our solution is expected to fill the gap between conventional teaching or studying methods and the application of new technologies of NLP and ML in studying or teaching.

References


Index Terms

| Computer Science | Information Sciences |

Keywords

NLP, Text summarization, WH, Gap-fill, MCQ, Automatic question generation