Text summarization is the technique of compressing original text with software, in order to create a fluent summary in a shorter version including valuable information of the original document. Text summarization addresses both the problem of selecting the most important portions of text and the problem of generating coherent summaries. Text summarization has become an essential and timely tool for assisting and interpreting text information in today's fast-growing information age. It can be used to produce a summarized text from the given URL or text document provided by the user. In machine learning and natural language processing, automatic text summarization is a common problem. This system automatically summarizes the text from multi-page web documents such as news, stories, blog posts, articles. Text summarizer is applicable in various areas such as news filtering, summarization of large email, formatting of abstracts of research papers, intelligence gathering, SEO, and meeting summarization. The ATS can save time on reading huge articles on the Internet by providing a concise summary instantly. The main advantage of ATS is that it does not miss crucial facts/information of the original document.

For automatic text summarization, generally, there are two approaches: extraction and abstraction. This system uses extractive summarization that uses features such as word frequency and phrase frequency to extract essential sentences from the text for summarization purposes whereas machine learning models are trained to understand the meaning of documents and distill the useful information before outputting the required summarized texts. The extraction summary performs summarization tasks by selecting sentences or phrases from the original text with the highest score and put it together to a new shorter text without changing the source text. The vision of the system is to develop web application and provide the meaningful, precise, and concise summary to the people.