*Assignment 2 Related work*

*The data involved in pattern matching is drastically improving day by day along with the increase in storage capacity. An algorithm that performs search faster is always a need. The algorithm can be applied in search and replace operations. We have proposed a pattern matching algorithm which is a modified form of the Naïve search algorithm. Our algorithm does not require any preprocessing on the pattern of the text. The algorithm works with the logic of minimizing the number of locations accessed from the given text by checking if the element accessed is the first or last character in the given pattern. This can be further improved by accessing one element of text and checking that is a part of a pattern in any of the positions. Hence, the time can be further reduced.*

*The proposed algorithm can be used in applications like intrusion detection, plagiarism detection, bioinformatics, digital forensics, text mining research, string-based name retrieval, etc.*

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