# ABSTRACT

The aim of the project is to build a code that implements a DFA. The idea is to implement it using client and server program. The program takes string as an input, and it should print the states the string goes through and prints whether the string is accepted by the DFA or not accepted by the DFA.

The client-server is implemented using socket programming. The input is accepted at the client end; this input is further sent to the server. The server accepts the input from the socket streams, and it runs the DFA module, here the string is checked for the validity according to the given DFA.

It shows all the states passed by the string and displays whether the string is accepted or not accepted by the given DFA.

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# List of Figures