

# CS203 Project Proposal

## 1.Q-M solver

- A. As the name suggests we will be making a web based application that can take input from users and **minimise** it using Q-M method.
- B. In addition, we will be also implementing another helping function which will help users to compare two boolean expressions, users are supposed to type two or more boolean expressions then we can say how many of them lead to the same expression.
- C. We will use html ,css , javascript and some frameworks like react or angular for making web app interactive. We can also use frameworks like Flask web apps framework for the same.

## 2.Encryption-Decryption

- A. In this project we will implement a web application that can encrypt the plain text into a key(encrypted message) and generate an additional key( let's call it a secondary key).
- B. The both keys help the user to decrypt the encrypted text.
- C. We will also implement a random number generator to determine an unique secondary key which will be uniquely attached to the encrypted message.
- D. For Random number generator we will use **Linear Feedback Shift Register**.
- E. All of this we will be doing on a web application.