**User Manual**

**Group 2**

To run our project, first it needs to be compiled. Simply type make into the command line and the make file will compile the project. Then run ./main and the project will run. The input.txt is the input file, the message to be encrypted, the encrypted.txt is the encrypted message, ciphertext, and the output.txt is the output, the decrypted message which will have the same content as the input file. To change the prime length, one will have to change the constant PRIMESIZE.

Example output, PRIMESIZE = 2:

>make

>./main

p: 19

q: 89

n: 1691

totient: 1584

e : 529

d: 1057

Plaintext read from file: CAT

Trigraph: 1371

Block ciphertext: MQBA

Ciphertext: MQBA

Ciphertext from file: MQBA

Quadragraph: 1104

Block plaintext: CAT

Plaintext: CAT