#### Capstone Part - 3

Implement the following specifications on Microblaze System on KC705 Board

1. Create a custom IP on the AXI bus for the Ceaser Cipher block
   1. Have a register for input data byte and another for output data byte
   2. One register to determine encryption or decryption
   3. One register to initiate the conversion
2. Should be able to accept a block of text through UART and send back the encrypted or decrypted text back to the PC through UART
3. Encryption or Decryption is determined by a switch, whose status is read by the Microblaze system before invoking the cipher.