**Cairo University** 

**Faculty of Engineering** 

**Computer Engineering Department** 



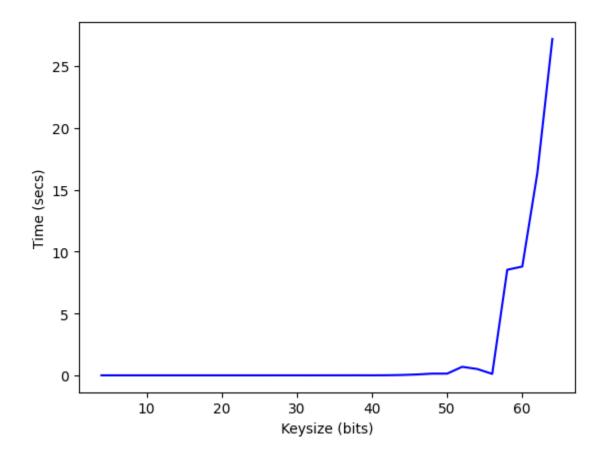


## Security and Cryptography RSA assignment report

Name	Sec	BN	Email
Sarah Mohamed Hossam	1	30	sarahelzayat@outlook.com

## Analysis and conclusion:

For the attacking problem, given e & n, while observing the time to find the prime factors of n to generate the private key, it was noticeable that the time grows exponentially while increasing the number of bits (n).



 Regarding the analysis of how different key sizes affect the encryption/decryption time, the time increases slightly when the key size increases.

