

# INDEX

S. No	Objective	Page	Sign
1.	To implement Additive Cipher	1	
2.	To implement Multiplicative Cipher	3	
3.	To demonstrate Steganography in file transfer	6	
4.	To implement Play fair Cipher.	10	
5.	To implement Rail fence Cipher.	16	
6.	To implement Columnar Cipher	20	
7.	To perform Euclidean division (GCD)	22	
8.	To implement extended Euclidean algorithm.	24	
9.	To implement Chinese Remainder Theorem	26	
10.	To implement RSA , Primality Testing and Random Number Generation.	29	
11.	To implement MD5 algorithm over an input file	33	

## **Programming Environment:**

OS: Linux Mint 17.3 ROSA (64 bit)

Editor: Atom Text Editor

## **Compilation:**

C++ 14

clang (LVM) -3.5