

Shantilal Shah Engineering College, Bhavnagar

Information Technology Department

Python Programming

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Practical - 6: Ciphers

1) Write a program for encryption and decryption routine of following classical ciphers:

- a) Caesar cipher
- b) Rail fence cipher
- c) Columnar cipher
- d) Playfair cipher
- e) Vigenere cipher
- f) Varnam cipher
- g) Hill cipher

2) Using python cryptographic library (Pycrypto) write programs for following

- a) Encryption and decryption routine for following encryption techniques
 - a. AES
 - b. DES
 - c. Triple DES
 - d. RSA
- b) Hash value of given string using following Hash function
 - a. MD5
 - b. SHA256
 - c. SHA512