

# **PROJECT**

## **ANDROID APP: REEVUS**

### **Abstract:**

**REEVUS** is an android application that is based on the class website REEV.US/MSCS630S17. It includes all the information that the website has and additional features like logging in using passwords and a chat section where professor and students can communicate. This chat area uses encryption to encrypt the messages. The application also includes a section that lets students learn different types of ciphers. There will be a list of ciphers. Upon choosing a cipher, users can enter a variety of input and encryption/decryption will be performed based on the selected cipher. This way students can understand different types of ciphers in a better way.

**REEVUS** implements authentication while logging into the app and encryption in the chat area. This application also implements different types of ciphers and helps users understand cryptography in a better way.

Students will have to sign up using their cwid. Only students who registered for the course will be able to sign up successfully and use the application.

**REEVUS** is an effort to apply cryptography to an application that helps users understand the subject in detail and creating a fun filled learning experience for the users.

### **System Specifications:**

Hardware Requirements: A mobile phone or a tablet.

Software Requirements: Android OS version 2.2 or above.

**Languages:** Java, HTML, SQLite

**IDE:** Eclipse