# Introduction (Rills School System):

Rills school system was found in 1998 by Sir Ahemad, total braches of this org is 350 all across Pakistan and the one we are taking review is in Gujranwala having the student strength of 150+ and employees are more than 200. It’s an education Sector teaching the student from grade play group to O-levels.

# Operational Security

1. What steps do you take in order to protect your data information?

**Answer:**

Jus encryption text are used.

1. In which procedure confidential information of your organization proceeds?

**Answer:**

Most of them are hard copies and most of them are from mail depends on the situation

1. In which form the data is being proceeded?

**Answer:**

The answer is proceeded in into hard copying which is stored in the Microsoft excel sheet (soft copy) and later on it is stored on the cloud storage (google Drive) and after 8 years the data is converted into hard copying and then data is removed from the clouds and hard disk( excel sheet)

1. Do you apply any kind of encryption algorithm in order to protect your data?

**Answer:**

Yes.

1. How did you manage to give the access to your employees?

**Answer:**

No we do not allow them

1. Which level of information users/employees are allowed to access your data?

**Answer:**

Jo unki field say related hai

**Review:**

After Testing and Examine the Faculty has showed us a lot of problem with the operational Security of the Faculty but there is also the possibility to improve the system and secure the data of the organization as well. The review of the system is given bellow:

1. The operational Security of the faculty is okay but too great, the reason behind is that the encryption of text is just too simple and can be easily decrypted as a result a huge loss of data and money to the organization.
2. The transfer of data is not secure, the whole flow of data is out dated and can be improved. Most importantly the mailing system is not secured, most of the mail is done Gmail or Hotmail or outlook, which is not secure and can be easily be hacked as a result all of the data or documents can be lost. There is no proper network in the organization that can encrypt and decrypt the email or document which are sent within the organization.
3. The storing of information or data is not sufficient and it’s not a good way to store huge amount of data. First of all of the data is recording on hard copy them it is transferred on Microsoft Excel (Soft copy) and the all of the file are stored on the Cloud Storage such as Google Drive or One Drive or Drop Box or Mega Drive. After 8 to 10 years the data is again download and stored as hard copy which is not suitable for this time and data can be destroyed.
4. The data which is stored on Excel sheet are encrypted using simple encryption algorithm but the issue is that excel sheets can be easily decrypted, so there is a room for improving the algorithm to protect the data.
5. The information of the each department is enclosed so no other department have access the information about the other department, only the head of the department can access the data on cloud or in the network.