

AN INTRODUCTION TO THE PROJECT

CHALLENGES :

Data can come from many sources: internally within the organization or externally from data vendors. This creates multi-faceted datasets with each stream of data supplying its own set of standards, including different formats, acceptable ranges, and granularities . Handling multi-faceted data with different standards in an efficient manner has become a major challenge in our fiercely competitive world. However, it gets even more complicated when the required data doesn't get fetched when it is supposed to, creating a time lag. For these reasons, data automation is essential as it allows data to be captured in a timely fashion with a minimum amount of resources.

Automation is a more reliable way of managing data when compared to manual process, since humans are inherently error-prone.

Along with data management comes data protection and saving it from getting corrupted by any external or internal means. So this project includes a way basic program to handle basic regular use data and its encryption and decryption. It saves the user from revising the data from time to time.

This is what lead us to think for this Project and implement it using real life examples.

MOTIVATION FOR THE WORK :

Well Being a student we too have many issues related to managing data. such as image handling and other documents handling. Many a times we need a sorted format of data for our use. Once if a data is sorted it saves much of our time in doing works related to that data in our daily life.

The final goal is to feed the collected data into trade and risk applications. Hence it made us to work on this project so that we could solve our own issues along with learning something new. However, it gets even more complicated when the required data doesn't get fetched when it is supposed to, creating a time lag. For these reasons, data automation is essential as it allows data to be captured in a timely fashion with a minimum amount of resources, an experienced data management platform along with basic data automation is the only viable solution.

