

## **Data Structures : Funds tracking System**

**Objective :** To develop a Fund Transfer system Data structure :

**Disadvantages of existing Manual system:**

1. Tacking Process is time consuming, often leads to error prone results.
2. Probability Data misinterpretation is high.
3. Lack of reporting missing data.

**New system development : CS102 B Section- Project Team 3**

- Hardware and Software requirements : Not required
- Software Application requirements : Required

**Facilities to be developed :**

- Ensure all the transactions are secured and stored at every stage
- Maintain transparency in every transaction (option to access funds data at any point of time by the registered users)

**Scope of the New System :**

1. New Automated online Funds tracking system should maintain information related to all funds transaction types and helps the users to track and search the funds related information whenever required.
2. It has two modules namely Admin and User.
3. Admin can add funds related information to the system. Admin can view the list of funds information related to any type of funds transfer match. Admin can check for particular type of Funds transfer and in case of necessity send notifications to all the concerned as per the requirements.
4. Other Users can register and make a request. Users can check or view funds transfer details related to their transactions.

This project/system aims at maintaining all information regarding Funds transfers done in the organisation. System also aims at a secured funds transfer environment with transparency to both users and admins.

**Problem Statement :** Design an efficient Data structure for Admin user of this System. Identify the data types, data fields, and values(sample) for the Admin user.

**Functions:** Funds detail entry, Funds details retrieval and send(report) notifications. Clearly specify all assumptions made during the Data Structure identification process.

