

S.No	Problem Statement ID	Problem Statement Name	Domain
15	CT-CS - 02	Privacy-Preserving Data Sharing	Corporate Sec

### Description:

The **Privacy-Preserving Data Sharing System** is a solution designed to enable secure and controlled sharing of sensitive corporate data while protecting the privacy of the individuals or entities involved. It ensures that data can be shared for collaboration, analysis, or reporting without exposing confidential or personally identifiable information (PII).

The tool uses techniques like encryption, anonymization, data masking, and differential privacy to safeguard data integrity.

### Objectives :

#### 1. **Secure Data Sharing:**

- Enable sharing of corporate data without revealing sensitive or confidential information.

#### 2. **Protect Privacy:**

- Ensure that shared data adheres to privacy standards and laws, protecting individuals and corporate interests.

#### 3. **Maintain Data Utility:**

- Allow recipients to analyze and derive insights from the data while ensuring sensitive elements remain protected.

#### 4. **Prevent Data Breaches:**

- Minimize the risk of sensitive information leakage during data sharing processes.

## **Expectations :**

### **1. Corporate Data Security:**

- Implement robust mechanisms for anonymizing or masking sensitive information before sharing.

### **2. Customizable Privacy Controls:**

- Allow organizations to define and configure privacy rules based on the type of data and intended use.

### **3. Seamless Integration:**

- Ensure compatibility with existing corporate data management systems and collaboration platforms.

### **4. Data Sharing Transparency:**

- Provide logs and reports on data sharing activities for auditing and monitoring purposes.

## **Expected Results :**

### **1. Enhanced Privacy:**

- Sensitive information remains protected even when data is shared with external parties.

### **2. Trust in Data Sharing:**

- Builds trust among stakeholders by ensuring privacy and data security.

### **3. Improved Collaboration:**

- Facilitates secure and efficient collaboration with third parties or internal teams.