**RISK MANAGEMENT**

**Risk Assessment**

**1.Risk Identification**

* Server Crash
* Data Redundancy in case of User/NGO’s
* Inconsistent Traffic
* SQL Injections
* Cross Site Scripting
* Insecure Cryptographic Storage
* Insufficient Transport Layer Protection
* User Maneuverability

**2. Risk Analysis**

Server Crash may result in loss of User data and Web Application data.

Data Redundancy is in the form of multiple fake user accounts being created which may result in lossy data and the website being slow.

Inconsistent Traffic being in the case of unexpected amount of Traffic on the website which may result in the website crashing.

SQL Injections may result in the theft of user data and crashing of the website data and in extreme cases the website itself.

Cross Scripting refers to hackers targeting poorly built website to redirect it to another website.

Insecure Cryptographic Storage may result in the theft of User data.

User Maneuverability may be the user facing certain problems not to his appeal on the Web Application.

**3.Risk Prioritization**

The following priorities are in descending order of least priority

* SQL Injections
* Insecure Cryptographic Storage
* Cross Scripting
* Inconsistent Traffic
* Insufficient Transport Layer
* Server Crash
* Data Redundancy
* User Maneuverability

**4.Risk Resolution**

The listed risks can be avoided and can be voided at the most with the following techniques-

SQL Injections – can be avoided using a robust and secure Website with secure servers. Gaining a SSL Certificate is a plus.

Insecure Cryptographic Storage- can be avoided using a robust and secure Website with secure servers. Gaining a SSL Certificate is a plus.

Cross Scripting-can be avoided with a strongly built Web Application and analysis of web cookies.

Server Crash, Inconsistent Traffic-This may be avoided by having a high quality server which may handle requests.

Data Redundancy-The admin will have special privileges to delete fake accounts resulting in less loss of data.

User Maneuverability-The user may easily access the website with the help of a FAQ and a guidance video.