

# FUNCTIONAL REQUIREMENTS

## **Taking sensor reading from the Sensor Circuit •**

Pushing the data to a database. Retrieving information from database for Calculation garbage bin which fulfils the condition for garbage collection, example: Collect garbage from bins whose level is over 80% of bin.

- Real-time waste monitoring.
- Predictions for bin fulness.
- Detailed database of bins and stands.
- Interactive bin map including Street view.
- Route planning for waste collection.
- Overview of scheduled and executed routes.
- Database of citizen reports.
- Fire and tilt alarm.

Functional Requirement defines a function of a software system and how the system must behave when presented with specific inputs or conditions. All the conditions may occur in system and these may include calculations, data manipulation and processing and other specific functionality. Some conditions are needed to specify the logical input otherwise the system will not function as per its implementation. In this system following are the functional requirements for the admin and the user. The Admin has to login by using valid user name and password.

After login successful he can do some operations such as add contents, view all contents, list all searching history, list ranking of images, list of all personalized search, attacker details, recover contents, list of all user and logout. The admin can add n-number of contents.

If the admin want to add a new content, then admin will enter a URL, domain, title, description, uses, related images of the particular content, then submit and that data will stored in data base. The Admin can view list of all users. Here button, it will display all personalized search details. The time delay Generation chart results. This chart shows the time delay by using greedy DP and time delay using greedy IP. The user can attack contents, and then user should enter name to attack, and click on attack button.

The Attributes are Privacy protection, personalized web search, utility, risk, profile, profile based personalization, Admin, users. All register users are stored with the details such as user ID, user name, E mail ID, mobile no, Location, date of birth, address, pin code, general key and personalized key. The admin can view the attacker details. If admin clicks on attacker details button, the admin will get attacker information. There are n numbers of users are present. User should register before doing some operations. After registration successful he has to login by using authorized user name and password. Login

successful user will do some operations such as query search, personalized search, attack content details, view comparison graph and logout. The user can search query. Before searching any query, the user should request generalization, then proxy server will provide a generalization of profile. The user can view the comparison between greedy DP & greedy IL. After personalized searching, the greedy IL will be generated. If the user clicks on personalized search.