**Assignment-2**

**SRS DOCUMENT**

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* **INTRODUCTION** -

1. **Purpose** :

In recent days our PC’s have became a hub for notifications from all over the web as well as system including the Emails, Whatsapp messages, Browser notifications, System Notifications. Notification spam is one of the major problems of the today’s Internet, bringing financial damage to companies and annoying individual users. Among the approaches developed to stop spam, filtering is the one of the most important technique.

1. **Intended Audience** :

This model can be used by anyone who are willing to do more productive stuffs instead of filtering tons of waste notifications from various sources of Internet.

1. **Scope :**

The scope of this WebApp is not limited and has a wider range of messages in the dataset which has been used to train this model and we can use it to predict even wider range of messages.

* **OVERALL DESCRIPTION –**

a)**Users Need :**

Requirements of users is to get effective filtering of different types of notifications be it System or Application software or from WWW(World Wide Web).

b)**Assumptions and Dependencies :**

This WebApp is designed in such a way that it understands all types of formal messages but it is still unable to classify such messages which are not a part of usual conversations like informal messages, slangs and things like this.

* **SYSTEM FEATURES AND REQUIREMENTS –**

a)**Functional Requirements :**

1. Importing Libraries
2. Importing Datasets
3. Exploratory Data Analysis
4. Data Cleaning
5. Feature Engineering
6. Data Preprocessing
7. Text Transformation
8. Applying ML Algorithms
9. Performance Analysis
10. Deploying on Server

b)**Non-Functional Requirements :**

1. Security
2. Performance
3. User Friendly
4. Maintainability
5. Durability
6. Sustainibility