

Scope Definition: Functional & Non-functional Requirements

Group No. 28 : Prevention of Cyber Troll & Sarcasm System on Social Networking using Machine Learning with Bilingual Analytics

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October 2020

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1 Functional Requirements:

- Retrieval of comments on user created posts from the social media account using APIs and displaying it in a more comprehensive manner.
- Classification of the retrieved comments using sentiment analysis as offensive and sarcastic.
- For processing of comments posted in hinglish i.e. typing hindi using english alphabets, bilingual sentimental analysis will be performed.
- The process of deleting offensive comments and/or reporting the associated user would be automated.
- Automated responses to the comments received on the user's post would be provided to increase the interaction with the community.

2 Non-functional Requirements:

2.1 Usability:

The application will be easy to use as the target audience for the application is the social media users. Hence, a similar seamless experience will be provided to the users of this website. The application will provide easy insights into the user's social media accounts and help them manage their social media accounts with ease.

2.2 Security:

User credentials will be stored safely in the database by using a hash function. Hence, the original password the user enters is never revealed to anyone.

2.3 Availability:

The application will be available at all times i.e. all round the year, only restricted by the down time of the server on which the system runs.

2.4 Maintainability:

Any changes in algorithms of sarcasm detection and offense detection as improvements should be easily pushed to the server.