**Design Model of Event Recommendation System:**

**Algorithm:**

1. **TFIDF Vectorizer to deal with textual data and feature extraction from texts.**
2. **Linear SVC for classification of texts into one of the Domain/Events.**
3. **Content Based Filtering**: A **Content**-**based recommendation system** / **Intent**-**based recommendation system** tries to recommend items to users **based** on their profile. The user's profile revolves around that user's preferences and tastes. It is shaped **based** on user ratings.

**Architecture:**

1. **DATA -** Employee preferences for Domains and Interest.

* Dataset for training the NLP model.

1. **USER -** Cloud Counselage Authority to get recommendations to send it to the concerned employees.

**Flow Chart of Model:**

Input Dataset for Model Training

Create SVC object and fit data to train the model.

Apply Chi-Square test on feature corpus and generate unigrams and bigrams

Create TF-IDF object and apply on feature and Target Corpus to get Feature vectors

Remove Stop Words from Training Dataset and separate out features(Event\_Names) and Target(Domains)

Import Required Modules