P-21: Music Subtitles search engine
Group members:

> K. Varuna krishna
>
> G. Vikram
>
> K. Venkatesh
>
> G. Adarsh Kumar

Tasks:

- BASIC:
    - TF-IDF from scratch → varuna krishna
    - Query processing → Vikram
    - Ranking docs → venkatesh
    - Evaluation → Adarsh
- 1 'st Non Trivial task: → Varuna krishna, Vikram
    - <u>Retrieving the docs based on the genre of the query</u>
    - Process:
        - The query will be given to the engine
        - We will retrieve the top 10 relevant docs from the whole docs
        - We take the genre of the top doc and search the docs which are that genre.
        - Then we show these retrieved docs are results.
    - Tasks:
        - Inverted Index: varuna krishna
            - Genre → posting list
        - Tf-IDF, Query processing: Varuna krishna
        - Ranked retrieval: Vikram
        - Evaluation: Vikram
- 2'nd Non-Trivial Task: → venkatesh and Adarsh
    - Searching the lyrics based on KEYwords like (sadness, happiness, etc)
    - Process:

- The query will be keyword
- We have collected words for each keyword
- Now, when a keyword comes we randomly pick 20 words and create it as a query.
- And then using this we retrieve the docs from the whole doc collection.
  - Tasks:
    - Inverted Index: Venkatesh
      - keyword →related words
    - Tf-IDF, Query processing: Venkatesh
    - Ranked retrieval: Adarsh
    - Evaluation: Adarsh