# CS59001 DESIGN LABORATORY IDEAS

1. **Neural File Search Engine**

**File types supported**

* 1. Text Data
     1. Docs
     2. PDFs
     3. Excels
     4. File Names of all files
  2. Audio Data
     1. mp3
  3. Image Data
     1. jpg
     2. png
     3. jpeg
  4. Video Data
     1. mp4

Input: PC Path and Search Query

Output: Location of relevant files

How to solve this problem?

-> Read Input

-> Make Embeddings

-> If input path is new, Make Embeddings for DB and save

-> Make Search Embedding

-> Match with DB

-> Display results

# Heuristics

1. Text presprocssing
2. Parse hyphens
3. Spelling CHeck
4. Synonyms substituon
5. Bert -> Universal Sentence Ecoder
6. Subsutitures for Cosine Similariy