SEMANTIC BASED SEARCH ENGINE

ABSTRACT

This project aims to create a semantic search engine that reduces the number of steps users must take to find information about a faculty member or organization. A new user often has one of two goals when visiting a university website: to know how well a department performs based on its faculties or to find the best faculty profiles. On a typical university website, a user must manually analyze the objectives mentioned above. The user gets additional strain while searching, and it takes longer to select the best instructor based on the category they were looking in. A robust database including all the department's data supports a Semantic search engine (CS). So a user may now look up sentences like "who is a specialist in NLP" and "how excellent is the ML course." Various ML and NLP techniques and ideas are used to analyze the input (classification, clustering, word embedding, semantic analysis, taxonomy/ontology, frequency of phrases, Etc.). Query engines can quickly and accurately respond with information relevant to the data searched. Visualization will be made easier for any user to access the academic excellence of a faculty or the research scholar in the organization and the ability to process information faster to get a quick idea about the faculty/Organization.