

Knowledge Architecture (Research Area: Analytics)

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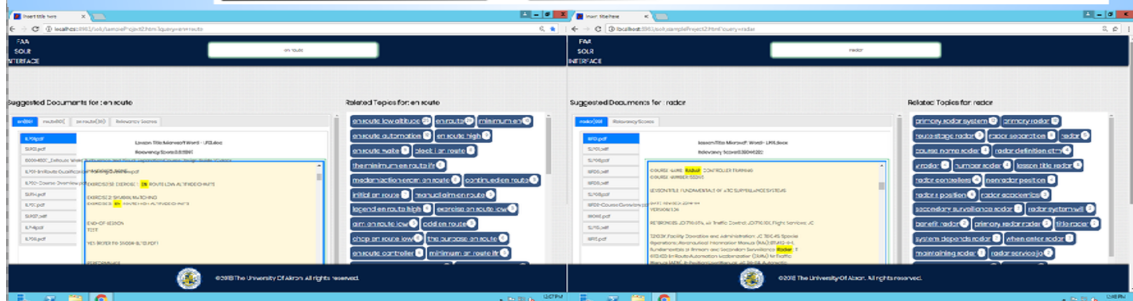
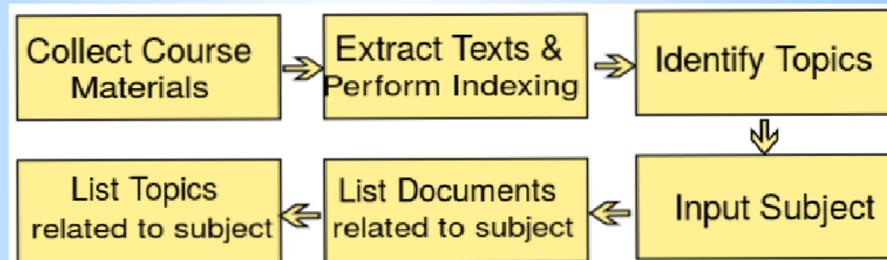
What

This project is to study knowledge architecture for representing technical training course materials and to develop a prototype of knowledge-based question answering system to support technical training.

Goals

- 1) Study features of START system developed by MIT support and enhance effective training.
- 2) Demonstrate how knowledge-based question answering system can support training by performing a case study using course materials of FAA air traffic controller training course: En route stage 1 course: 50148

How



Why

- 1) The system will allow users to enter a subject of interest and it will identify a list of documents ordered by degree of relevancy to the subject.
- 2) The system will also identify topics related to the subject ordered by frequency of occurrence.
- 3) The project will transform existing training course contents into a repository searchable by subjects of interest.

Impact

It provides a foundation and prototype for transforming training course materials into a Knowledge-Based Question Answering system to support FAA technical training.