**PROPOSED SYSTEM**

In the proposed system, the Markovian Semantic Indexing (MSI), a new method for automatic annotation and annotation based image retrieval is proposed. The properties of MSI make it particularly suitable for ABIR tasks when the per image annotation data is limited. The characteristics of the method make it also particularly applicable in the context of online image retrieval systems. The methodology proposed in this work encompasses a novel (alternative) probabilistic approach for Annotation-Based Image Retrieval that, compared to LSI and pLSI, is better suited to sparsely annotated domains, like in image databases where, the per image sparse keyword annotation is also limited. It addresses in a more natural way the zero frequency problems, defined as the fact that the probability to find common keywords even in closely related images is typically small because the images are not annotated with exactly the same keywords. The unified Markovian setup behind the proposed system allows the retrieval technique to benefit from the underlying structure of the annotation data; at the same time the annotation data acquires concrete stochastic interpretation through the way it is treated by the retrieval process.

***Advantages***

* The unified Markovian setup behind the proposed system allows the retrieval technique to benefit from the underlying structure of the annotation data.
* The proposal is to provide the best image based on the user query with the efficient processing.
* Based on the user clicked the indexing is performed and the search result will be displayed first.
* Efficient and effective search result is optimized