**0 REVIEW**

**Medical Image Retrieval using Deep Convolutional Neural Network**

**Motivation: -**

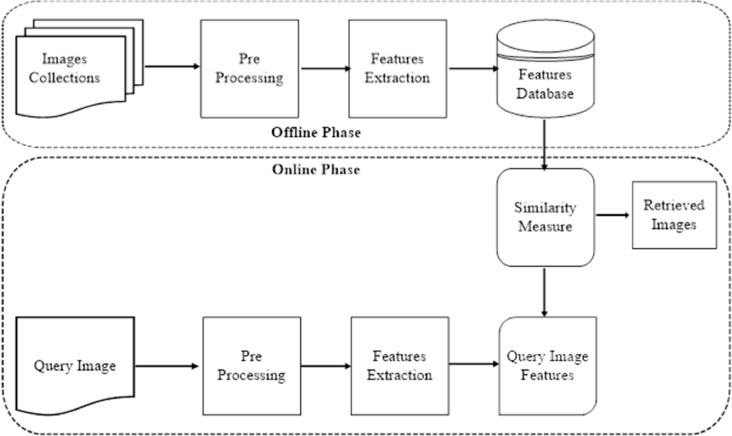
This projects motivation for image retrieval processing using deep learning. Due to the increase of online users on the Internet, the amount of collections of digital images have grown continuously during this period.

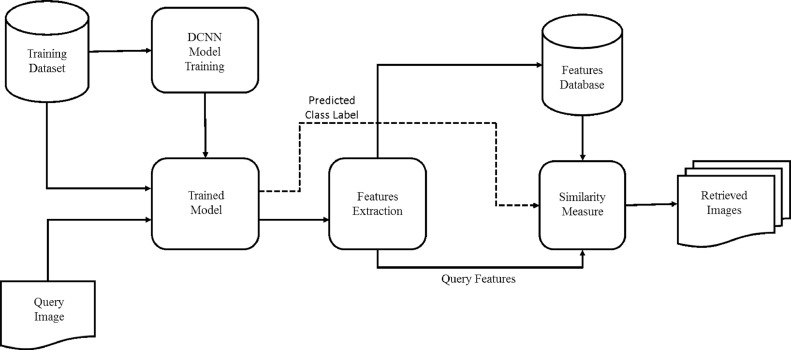
For example, In web applications that allows adding images and digital albums. Images are increasingly used to convey information, whether one local information, weather, advertising, etc. In this context, it is necessary the development of appropriate systems to manage effectively these collections. Another problem was the complexity of image data, and these data can be interpreted in various ways, thus raising the question of how to work in order to manipulate these data and represent or establish policies to its content. This motivated the birth of the image retrieval area which can be find similarity images whose goal is try to solve those problems.

**Problem statement: -**

To identify the best low level features that meet the requirement of a robust, efficient, computationally simple and suitable for image retrieval. In order to retrieve the desired images from a large database, the development of an effective and efficient algorithm has been proposed for image indexing and retrieval to classification various type of images. With a widespread use of digital imaging data in hospitals, the size of medical image repositories is increasing rapidly. This causes difficulty in managing and querying these large databases leading to the need of content based medical image retrieval (CBMIR) systems. A major challenge in CBMIR systems is the semantic gap that exists between the low level visual information captured by imaging devices and high level semantic information perceived by human. The efficacy of such systems is more crucial in terms of feature representations that can characterize the high-level information completely. In this paper, we propose a framework of deep learning for CBMIR system by using deep Convolutional Neural Network (CNN) that is trained for classification of medical images

**Architecture: -**

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**References: -**

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