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Query-Based Image Retrieval Using SVM

[Neha Janu](#) , [Sunita Gupta](#), [Meenakshi Nawal](#) & [Pooja Choudhary](#)

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Abstract

In today's world, images are used to extract information about objects in a variety of industries. To retrieve images, many traditional methods have been used. It determines the user's query interactively by asking the user whether the image is relevant or not. Graphics have become an important part of information processing in this day and age. The image is used in image registration processing to extract information about an item in a variety of fields such as tourism, medical and geological, and weather systems calling. There are numerous approaches that people use to recover images. It determines an individual's query interactively by asking users whether the image is relevant (similar) or not. In a content-based image retrieval (CBIR) system, effective management of this image database is used to improve the procedure's performance. The study of the content-

based image retrieval (CBIR) technique has grown in importance. As individuals, we have studied and investigated various features in this manner or in combinations. We discovered that image Registration Processing (IRP) is a critical area in the aforementioned industries. Several research papers examining color feature and texture feature extraction concluded that point cloud data structure is best for image registration using the Iterative Closest Point (ICP) algorithm.

Keywords

CBIR SVM Feature extraction Point cloud

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Author information

Authors and Affiliations

**Department of Computer Science and Engineering,
Swami Keshvanand Institute of Technology
Management and Gramothan, Jaipur, India**

Neha Janu & Meenakshi Nawal

**Department of Information Technology, Swami
Keshvanand Institute of Technology Management and
Gramothan, Jaipur, India**

Sunita Gupta

**Department of Electronics and Communication
Engineering, MNIT, Jaipur, India**

Pooja Choudhary

**Department of Electronics and Communication
Engineering, Swami Keshvanand Institute of
Technology Management and Gramothan, Jaipur,
India**

Pooja Choudhary

Corresponding author

Correspondence to [Neha Janu](#).

Editor information

Editors and Affiliations

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