

# Extended Boolean Information Retrieval System Using P-norm

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## **Abstract**

*Today, vast amounts of information are available electronically through the World-Wide-Web (www). Information Retrieval is one of the retrieval systems which is browsing through documents and searching for specific information. There are many retrieval models referred to as extended Boolean models such as fuzzy set model, Waller-Kraft, Paice, P-norm and Infinite-One model.*

*These models provide a ranking of the retrieved documents in order of decreasing relevance to the query. This system intends to implement an information retrieval system using Extended Boolean Model. P-norm scheme of Extended Boolean Model is used in this system. And the system is implemented for searching job. To calculate similarity, term weight of the document and query weight are calculated first. Then the terms of document are checked depending on the user query and similarities are calculated according to the P-norm scheme. As a result, the relevant job information according to user's preference is displayed to user. This system is implemented by using Microsoft SQL server and C# programming.*