CHAPTER 30

MATHEMATICAL SCIENCES
COMPUTER SCIENCE

Doctoral Theses

397.   CHAWLA (Suruchi)
        Information Retrieval with Information Scent and Agents.
        Supervisor : Dr. Punam Bedi
        Th 16844

Abstract

Proposes a multi-agent based architecture which works on the bedrock of clustered query sessions keyword vector using Information Scent for information retrieval to improve the precision of search results for satisfying the information need of the ueser effectively. The effectiveness of the multi-agent based architecture was determined by comparing the average precision of the trained and untrained set of queries in each of the selected domains for both the cases - proposed system combined witht eh Google search engine and the Google search engine alone. Experimental results confirm the improvement of rpecision in search results for the user input queries.

Contents

1. Introduction. 2. Basic concepts. 3. High scent information retrieval to improve the precision. 4. Personalization of Web search with High scent hubs and authorities. 5. Fuzzy rough approach for high scent information retrieval. 6. Architecture for multi-agent system for information retrieval with information scent. 7. Conclusion.