



RECOMMENDER SYSTEM FOR RESEARCH STUDIES USING GRAPH BASED ARTICLE RANKING

Saranya .G .B¹, Suganya .M², Swathi .S³, Dhinakaran .D⁴

^{1,3}UG Student, Department of Computer Science and Engineering, PERI Institute of Technology.

²PG Student, Department of Computer Science and Engineering, Anna University.

⁴Assistant Professor, Department of Computer Science and Engineering, PERI Institute of Technology.

¹saranyabalamurugan9791@gmail.com, ²suganyamurali93@gmail.com, ³swathisaravanan14@gmail.com

⁴dhinaads@gmail.com

ABSTRACT

Nowadays, the recommendation techniques are becoming more popular as a result of expeditious growth in the information technology and the growing amount of scholarly data. The ultimate objective of the proposed work is recommending the items of potential interest automatically to the users. In modern years, recommender systems are being employed in digital libraries to help researchers in finding relevant articles. This search tool gives the list of relevant articles based on the keywords in the query. It is difficult for a researcher to describe his needs by a limited set of keywords. On the contrary, the results will be similar to all researchers if the keywords are same. The existing recommender systems use the same algorithm to generate recommendations for users without considering their situation. To improve the recommendation, the proposed system incorporates common author relation between articles. The system suggests the articles for users who are having author based search pattern and also recommends conference venue for all researchers to help them to gain more knowledge in their interested area. The principle notion of the project is to determine the users having author based search pattern. To serve this purpose, the system uses pairwise articles with common author relations and most frequently appeared author.

Keywords-Common Author Relation, Frequently Appeared Author, Article Recommendation, Recommends Conference Venue.

[1] INTRODUCTION

To serve the purpose of generating a new research idea and for writing a good article, researchers need to intensively read some scientific articles that are related to their interests. With the rapid

Saranya .G .B, Suganya .M, Swathi .S, Dhinakaran .D

Dr. R. PALSON KENNEDY, M.E., Ph.D.,
PRINCIPAL
PERI INSTITUTE OF TECHNOLOGY
Mannivakkam, Chennai - 600 048.