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###### UOG FINAL BLUE NEW TAG Department of Software Engineering

**Citation Analysis using Mind Maps**

**Submitted By:**

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### Introduction & Functionalities

In this era, reading research papersis a time consuming process and it requires complete understanding because research papers are comprehensive and quite lengthy. So, in order to gather complete information, critical reading is required; when critical reading requires a good amount of time and nowadays time is the key to success, in short, a less time consuming way is required. Also, the complexity in sentences makes them hard to understand; therefore they require more attention. This is modern age and everyone wants technologies that are helpful and less time taking. Our main focus is to reduce time consumption and provide an easy way out for the reader.

**Mind mapping** is a way to portray ideas and concepts graphically. It is a tool that helps structuring information, helping you in generating new ideas, also have better understanding and judgment. Mind-maps are useful for;

* Communication within our trans-disciplinary team
* Brainstorming,
* Interviews
* For sharing ideas and documents.
* Representing combined stakeholder knowledge in an easily accessible format.
* For organizing and planning literature reviews. Focus groups with a diverse range of stakeholders.

“Citation Analysis using Mind Maps” is a web-based concept mapping application with a Data base connection. Our main research focus is to extract the information from the bulk of data. The data that has been stored in several online databases for research papers such as JUCS, IEEE Explore, are intended to be managed using Mind maps. To narrow down the research idea, we have selected the data from IEEE explore and in the proposed framework, we have built the offline database in which we have stored the data along with the authors affiliations and their co-authors. The idea of mind map is considered to be revolutionary approach for the students, faculty members and the researchers to find their respective results against the queries. Moreover, it will become easier for the scientific societies also to mine the influential authors with the considerable research background. The mind maps play pivotal role in presenting the central idea into useful information. The application of proposed tool is directly implementable in terms of identifying the influential authors and ranks them to assign one of the above discussed positions.

System is affordable with the following features which assist user with:

