

# ROLE OF LIBRARIAN TO PROVIDE KNOWLEDGE FRAME WORK OF BIBLIOMETRIC TOWARDS USER'S COMMUNITY

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**Abstract:** Literatures is growing enormous way from all around the world, at the same time user's community fail to recognize and struggling to access all those literatures. Bibliometric study is one of the tool provide a statistical shape to all those available literatures in all the format towards user's community. Bibliometric study is one of the too to solve the conflict, confuse of literature explosion. With the help knowledge of bibliometric and its usage is easy to user's community to analyse the literature and identified authenticate and best literature for their research work.

**Keyword:** Bibliometric, Bibliometric as a knowledge, Role of Librarian, Challenges, overcome of challenges.

## **1.0 Introduction**

The research process is imperative for the development of society and research results are valuable for the benefit of general public. Therefore, a central place is given to research in any development plan initiated in all over the world. This has resulted in scientific, social, political, economic and cultural development of the people. Research has been defined by Gay (1997) in these words: "Research is the formal, systematic application of the scientific method to the study of problems" (p. 20). Hernon (1999) is of the view that "In the social sciences, research is problem-centered and may not be aimed at developing cumulative theory. It might fulfil another function, such as description or evaluation" (p. 263).

Research is carried out for development of knowledge, improvement of existing knowledge, to provide solutions to specific problems, and to improve processes and practices. Since research findings have significance and value for society, research has attained an important place in all fields of knowledge. Research has played a crucial role in the creation and improvement of knowledge relating to the collection, organization, preservation and dissemination of information in different formats. This has resulted in the scientific, social, political, economic and cultural development.

Bibliographic control and analysis of research literature are time consuming and require concerted efforts on the part of researchers. Bibliometric analysis of existing literature acknowledges the efforts made by people and organizations involved in the research process. It also provides useful guidance for future research as it points out the areas which need future consideration. <sup>(1)</sup>

## **2.0 Bibliometric**

Dr. Ranganathan S R coined the term "Librametry" in 1969 and presented his concept in ASLIB conference held at Leamington Spa. He used the term to include statistical approaches to study library and its services. However, the practice of using quantitative method to measure information sources were made even before Dr. Ranganathan but under different term or without any particular term but statistical analysis was in common use before the term Librametry. Cole and Eales (1917) graphically mapped the literature and called this method of analysis as statistical

analysis. Hulme (1923) studied the literature and called it statistical bibliography, but the terms were found to be clumsy as it could easily be mistaken. Later the term was coined as bibliometrics by Pritchard (1969).

The term bibliometrics was first used by Pritchard (1969) in his article statistical bibliography or bibliometrics published in the Journal of Documentation. Biblio means book and Metric means a scale or measure. Bibliometric means application of statistical studies in library and information science. According to Pritchard (1969), bibliometrics is defined as the application of mathematics and statistical methods to books and other media of communication. Potter (1981) defines bibliometrics as the study and measurement of publication pattern of all forms of written communication and their author.

In Bibliometrics and Librametry as an area in which studies information process and information handling in libraries and information centres by quantitatively analysis the characteristics and behaviour of documents, library staff, and library users. The study of bibliometrics and Librametry include bibliometrics distribution, citation analysis, library use studies, etc. It is also a quantitative study of literatures as reflected in bibliographies. <sup>(2)</sup>

### **2.1 Bibliometrics as a knowledge:**

- 2.1.1 **Improvise the publication knowledge of user's community:** Bibliometric gives knowledge of publications from different kinds contents with in the subjects and from other subjects around the world which one they have interest. Its lead interest among the user's community towards publication and it let them to do research papers on different themes and contents within the subject and other interested one and make it publish in reputed periodicals and others sources and to know the use and reputation of publications to spread their knowledge, ideas in the form of written communication from different kinds form of sources to new user's community.
- 2.1.2 **Improvise the knowledge of resources:** Bibliometrics provide knowledge about different kind of sources of information like print resources, electronic resources like Books, Journals, Thesis, Dissertation, Proceedings, etc. This can help to the user's community to know how to access the all the resources for their use.
- 2.1.3 **Improvise the knowledge of subjects:** In Bibliometrics user's community find out publications in interested area of subject and also other all subjects, its lead the user's community to have knowledge of subjects and all other concepts and new ideas, new innovations, new problems and solution for the problems.
- 2.1.4 **Improvise the knowledge of authorship:** In bibliometric study they find out authors of publication if they single author or more then single author and their origin. This information provides knowledge and importance of author and what is the authorship and how became author. Knowing all this information user also prefer to contribute the publication, it can retrieve new idea, innovation from user's community.
- 2.1.5 **Improvise the knowledge to know journal ranking:** Bibliometric study provide ranking to journal because which journal consist most of the publication with quality and eminent authors from different origin. With this information user's community can judge themselves about journals ranking and make use of it to their work.
- 2.1.6 **Improvise the knowledge to know institution raking:** Bibliometric study can help to provide the ranking for the institution because many of institutions contributes the many of research papers from different subjects through their own journal publications from different resources persons in different subjects. This information let to judge user's community about institutions ranking and from which institutions contributes most of the papers.
- 2.1.7 **Improvise the knowledge to know authors raking:** Bibliometric study can help to provide the ranking for the authors, because so many of authors publish their research papers in journal but some journals consider high quality themes and content and after reach their parameter they can accept. With help of this information user's community follow that journals and eminent ranked author research work for their research.

**2.1.8 Improve the knowledge of research all around the world:** Bibliometric study provide knowledge of research, because it contains all the research title in study its cover all papers title from irrespective of subject and irrespective of place or origin or particular subject or particular journal in a long term of period. With help of this information user's community can know the about research work done around the world. It can motivate user's community to new research work.

**2.1.9 Improve the knowledge of analyses of productivity:** Many of papers published from around the world from different kinds of authors in different kind of journals and in different form and also available in all different kind of subjects. But in bibliometric study can provide ranking for journal and authors according to their standards ness and choosing new themes and new ideas in their respective subjects. So knowing above information user's community can analysis good productivity.

### **2.3 Use of Bibliometric:**

1. Users community can easily identify the publications, it's made from scientist, professionals, research scholars, students etc. because in bibliometric researcher have to see brief information of authors and their profession, designation, institution which one gave in top of the papers. With the help of this information user's community can choose different kind of concepts and research work from different kind of authors to their research work.
2. Users can easily identify the publication pattern of papers, it is in printed version for example Books, Journals, Thesis, Dissertation, Conference proceedings, etc. and it is electronic version for example E-journal, E-books, Blogs, etc. with the help of this knowledge user's community make use of both available versions for their research work.
3. Users can easily identify the ranking of sources weather it is available in printed version or electronic version for example Books, Journals, etc. Which source of information cited more time and which authors papers cited more time and on which theme or concept or subjects more papers published. All this information we can get from bibliometric study, it can lead the user's community to access best one and know about best.
4. Bibliometric study gives a statistical shape to publications of printed and electronic version, because in bibliometric study each and every information of papers can have identified researcher for example authors brief information, year of publication, subject, theme, institutions, etc. and researcher compare publications for example they can take to different journals make compare both journals publication numbers, numbers of authors etc., for five year of period. This knowledge gives statistical shape to publications on particular of period.
5. Users community can meet the best and authenticate resources for their ongoing work, because in bibliometric study researcher mentioned that most cited author, most referred sources like Books, Journals, and others. This information gave knowledge to user's community choose best resources at the right time and it can save time also.

### **3.0 Role of Librarians:**

1. Librarians should encourage the user's community to make more study and research on Bibliometrics and Librarian let them know importance of study and how it helps for them, others and how can use previous one for new research. This all can boost the new comer and we can expect good productivity.
2. Librarians should act like a bridge between concept and user's community, librarians explain about concept of Bibliometric, origin, definition, use, how to study, how can select problem on the concept and how long of period idle for study. All above information helps user's community to well-known of the concept.
3. Librarians should act like a bridge between resources and user's community, librarians can guide to user's community find out authenticate resources, weather it is available on free of cost or it is cost oriented and how can access both of them for the research and use it at the right time and in good manner. With the help of this knowledge user's community can reach their goal in an assigned period.
4. Librarian should keep all previous research work of Bibliometric done by different authors across the country. It could help user's community to refer all previous research work and better understand the

concept and they can come out new and different problem of study on bibliometric and come with good results.

5. Librarians should keep all the brief information of bibliometric study already done by others for examples Title of the work, name of the author, year of publication, period of study etc., because this can help to user's community to find out good problem of title without repeat and duplication of research work.
6. Librarians should educate the user's community about pre requisite things and technical things to do Bibliometric study. It can help them to do some back ground work and can own the technical things (for example Computer, Laptop) before the study.
7. Librarians should organize the seminar and workshops on Bibliometrics. In seminar resource persons can exchange their knowledge about the themes and subject and they can exchange some new ideas, new thoughts towards user's community. In workshop delegate persons can deliver how to choose themes, title, how long of period, what are the things they can adopt in their research work.

#### **4.0 Challenges:**

1. Lack of the interest from the user's community towards the bibliometric study and not showing interest towards the concept of bibliometric is one of the challenge. Because they show interest on different topic comes under different subjects and bibliometric study ask more time, patience, hard work from user's community and they have to complete all works with in assigned time and they have to spend time for their personal life also. Struggling to manage time in between profession life and personal life, this can be a reason to not showing interest.
2. Lack of pre requisites is one of the challenge and before doing bibliometric study user's community should make background work. On which sources they conduct study, what is the period of time, what is the time limit and what are the technical things required to study and user's community fail to recognize all this things.
3. Lack of economic support is one the challenge all the user's community facing, because many of the sources not available free of cost and if it is cost based means in some manner user's community not able to pay because of their economic status.

#### **5.0 Overcome of challenges:**

1. User's community show interest on the topic of Bibliometric study and they have to create environment in the form of refer more work on Bibliometric and attend the seminar, workshops can encourage user's community towards new study on Bibliometric and also its grows interest.
2. Before conduct study on Bibliometric user's community have to make back ground work on theme or concept or topic and user's community have to make all the arrangements for study means fulfill all requirements and also be aware of all pre- requisites things for study.
3. User's community have to find out free sources for the study on Bibliometric, because so many of sources available free of cost and they can choose of those sources it can help them in the form of economic.

#### **6.0 Conclusion:**

In paper concentrate on the Bibliometric, its origin definition and it explain how it improvise the knowledge of the user's community on the Bibliometric study and how became a library professionals make a vital role in improvise knowledge and make a knowledge frame work for the user's community on Bibliometric and mentioned what are the challenges how to face those challenges and suggest some of the points to overcome from those challenges. This papers can help readers to understood the concept of the bibliometric s and how can they adopt some of the points in their bibliometric study.

#### **7.0 References:**

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