

Report on Faculty Development Programme (FDP) on Bibliometric Analysis

January 12 – 13, 2023

RV Institute of Management, Bangalore

In association with



Introduction

Bibliometric analysis is a scientific computer-assisted review methodology that can identify core research or authors, as well as their relationship, by covering all the publications related to a given topic or field. For a literature review, systematic literature review or meta-analysis has been the major research methodology in the areas of social science and medicine, etc, which deals with several restricted publications with sampling procedures and implements content analysis. However, this bibliometric analysis can provide abundant and relational information on the topic, thereby the understanding of the overall intellectual landscape can be possible.

The program

Carrying forward its endeavors for strengthening a research ecosystem among the faculty members, RV Institute of Management in association with AIMS organized a Faculty Development Programme on “Bibliometric Analysis” on January 12 – 13, 2023. FDP enabled the participants to learn how to apply techniques like SLR and Bibliometric analysis to consolidate available literature providing a base for future study.

Participation

The FDP witnessed a participation of nearly 60 delegates including academicians and research scholars from various institutions around the country like Chennai, Coimbatore, Calcutta, Bangalore, New Delhi, and Hyderabad. The FDP created a lot of excitement in the research fraternity which was reflected through their involvement. During the two-day FDP, there were four sessions and despite being organized at a National level, it owes to its credit participation from Malaysia and Pakistan who joined online.

Inauguration



The FDP program was inaugurated by lighting the lamp to seek the blessings of the almighty. Our Director Dr. Purushottam Bung welcomed the participants and introduced the theme of the FDP and he mentioned how the idea to host an FDP on this theme germinated and was executed by the organizers.

Session 1: Systematic Literature Review (SLR) and Meta-Analysis

Soon after the inaugural session, the first session on “Systematic Literature Review (SLR) and Meta-analysis” was delivered by Dr. Sreejith SS, Assistant Professor, National Institute of Technology, Calicut. He gave a brief overview of the SLR process that allowed us to collect relevant evidence on the given topic that fits the pre-specified eligibility criteria and to have an answer to the formulated research questions. The usual method has four basic steps: search (define searching string and types of databases), appraisal (pre-defined literature inclusion and exclusion, and quality assessment criteria), synthesis (extract and categorized the data), and analysis (narrate the result and finally reach into conclusion).

Session 2: Systematic Review using PRISMA and Mendeley

The second session on systematic review using PRISMA and Mendeley was delivered by Dr. Ashuleka, Professor, Graphic era deemed to be University, Dehradun. She introduced the topic for the session and explained how PRISMA and Mendeley software is adopted in the

bibliometric analysis. PRISMA Statement is to help authors improve the reporting of systematic reviews and meta-analyses. She also highlighted Mendeley a reference manager software developed by Elsevier which is used to manage and share research papers and generate bibliographies for scholarly articles.

Session 3: Bibliometric software - VOSviewer

The third session on 13th January was on Bibliometric software and the session was delivered by Dr. Bijay Prasad Kushwaha, Assistant Professor, VIT University, Vellore who enlightened the participants with the importance of bibliometric software like VOSviewer tool for constructing and visualizing bibliometric networks which include journals, researchers, or individual publications, and they can be constructed based on citation, bibliographic coupling, co-citation, or co-authorship relations. VOSviewer also offers text mining functionality that can be used to construct and visualize co-occurrence networks of important terms extracted from a body of literature.



Session 4: Bibliometric software – Biblioshiny

The fourth session on Bibliometric software Biblioshiny is also delivered by Dr. Bijay Prasad Kushwaha, Assistant Professor, VIT University, Vellore. He explained on the shiny app provides a web interface for bibliometrics which supports scholars in easy use of the main features of bibliometrics: Data importing and conversion to data frame collection. Data gathering using Dimensions, PubMed, and Scopus APIs collection.



The FDP ended with a valedictory session where our Director Dr. Purushottam Bung, Convener Dr. Tamizharasi, and Co-Convener Dr. Padmalini Singh distributed certificates to all the participants. The contribution of resource persons towards FDP has added a new dimension to the Bibliometric study and this endeavor would certainly add a chapter in the history of RVIM, Bangalore.

Details of expenditure incurred

S.no.	Particulars	Expenditure	Income
1	FDP Kit (60*150)	9000	
1	Honorarium for Resource persons For Dr Sreejith S S Rs 8,000 For Dr Asulekha Rs 5,000 For Dr Bijay Rs 15,000	Rs 28,000	
2	Travelling expenses	Rs 5,000	
3	Food and beverages for 2 days 65*250*2 (Including our faculty members)	Rs 32,500	
4	Brochure and certificate printing charges	Rs 5000	
5	Registration Academicians(15*1000) = Rs 15000 Research Scholars (30*750) = Rs 22500		Rs 37,500
6	Deficit	(Rs 42,000)	

