

**AHM's
ANJUMAN ARTS, SCIENCE AND COMMERCE COLLEGE, BHATKAL**

**Add-on Course
On
BIBLOMETRIC ANALYSIS**

**Under the
Department of Library and Information Science**

Academic Year -2022-23

**Course Coordinator
Mr. Afzal G Jamadar
Librarian
Department of Library and Information Science**



Date:25-04-2023

From

Mr. Afzal G. Jamadar

Librarian

Anjuman Arts, Science and Commerce College,

Bhatkal

To

The Principal

Anjuman Arts, Science and Commerce College

Bhatkal

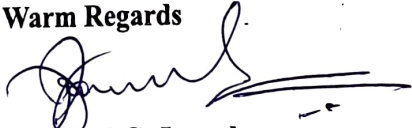
Subject: Request to grant the permission to start the add-on course on Bibliometric Analysis for the academic year 2022-23

Respected Sir,

We would like to start the add-on course on "Bibliometric Analysis" for a few students who are interested in this field. Please permit us to start the Bibliometric Analysis course for the academic year 2022-23.

Thanking You

Warm Regards



Mr. Afzal G. Jamadar

Librarian

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& P.G Centre, BHATKAL - 681 322

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Meeting Report of Institutional Board of Studies for Add-on Course on Bibliometric Analysis held on :

The Institutional Board of Studies of the Department of Library & Information Science for an add-on course on introduction to Bibliometric Analysis held on 06-05-23 in the principal chamber at 10:30 AM.

1. **Prof. Mushtaque K Shaikh**
Principal, Chairman
2. **Prof. S.A. Indikar**
IQAC Coordinator
3. **Mr. Afzal G. Jamadar**
Course Co-Coordinator
4. **Prof. Mirza Mulla**
Member, Library Advisory Committee

In the beginning of the meeting the Chairman of BoS: Prof. Mushtaque K Shaikh welcomed all the members and briefed them about the academic activity of the Bibliometric Analysis course. The members expressed their appreciation and satisfaction about the activities of the department.

After that institutional BoS-discussed and resolved the following points:

1. **Starting of the add-on course on the introduction to Bibliometric Analysis**
BoS discussed the point and resolved to start an add-on course on Bibliometric Analysis in order to improve the basic knowledge of Statistical Analyses of books, articles, or other publications.
2. **Approval of the syllabus for add-on course**
The BoS discussed and approved the syllabus for the add-on course on Bibliometric Analysis.
3. **Approval of admission criteria.**
The BoS discussed and approved the admission criteria and resolved that the students who are interested in the arena of Bibliometric Analysis can enroll in this course.

The meeting of the BoS was concluded with the vote of thanks by the Mr. Afzal G. Jamadar Librarian

The following members were present in the meeting:

1. **Prof. Mushtaque K Shaikh** 
2. **Prof. S.A. Indikar** 
3. **Mr. Afzal G. Jamadar** 
4. **Prof. Mirza Mulla** 




Principal
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NOTICE

Date: 09-05-2023

Add-on Course on "Bibliometric Analysis"

All the students are hereby informed that the Department of Library & Information Science is starting an add-on course on "**Bibliometric Analysis**" for the students, **from 24-05-2023 to 04-07-2023**. Interested students can enroll their names **on or before 20-05-2023** with **Mr. Afzal G. Jamadar, Librarian**.


Librarian

(Mr. Afzal G. Jamadar)

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 **Afzal**
B. Com V Sem

 **Humayun**
BA V sem

 **Humayun**
B.Sc V sem

 **Afzal**
B.Com V sem

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Bibliometric Analysis Add-on Course 2022-23

Enrollment List of the Students

SL. NO.	REG NO.	NAME OF THE STUDENT	MOBILE NO.	SIGN
1	20A27601	Abdul Gaffar	9742564088	<i>A-G</i>
2	20A27604	Arun Kumar Sukra Gond	9480070514	<i>Arun</i>
3	20S16701	Asha Rama Naik	7259260816	<i>Ashar</i>
4	20S16702	Aysha	8904709260	<i>Aysha</i>
5	20S16703	Bhaskar Krishna Naik	8088641686	<i>Bask</i>
6	20S16704	Dheeraj Janardhan Kharvi	6361143203	<i>Dheer</i>
7	20S16705	Lavanya Anand Moger	9110841174	<i>Lav</i>
8	20S16706	Likhith Dasa Moger	8197374237	<i>Likhith</i>
9	20A27607	Lohit Janardhan Harikant	9513476916	<i>Lohit</i>
10	20A27610	Mohammed Nihal	8762202363	<i>Nihal</i>
11	20A27611	Mohammed Usman Khan	9008290261	<i>Usman</i>
12	20S16707	Monika Ishwar Naik	7676463080	<i>Monika</i>
13	20S16708	Monika Kamalakar Moger	9741368247	<i>Monika</i>
14	20S16709	Nain Khatija	6364118162	<i>NK</i>
15	20A27612	Naveen M Bhatkalkar	6360849805	<i>Naveen</i>
16	20S16710	Naveen Narayana Naik	9880392747	<i>Naveen</i>
17	20S16711	Naveenkumar Padmayya Naik	9986427913	<i>Naveen</i>
18	20S16712	Nayeem Ahmed Kotebagil	7760153269	<i>Nayeem</i>
19	20S16713	Praveen Nagappa Naik	7619493108	<i>Praveen</i>
20	20S16714	Raviraj Manjunath Naik	9164075207	<i>Ravi</i>
21	20S16715	Roopa Nagaraj Acharya	9740961855	<i>Roopa</i>
22	20S16716	Shamiqa	9739062822	<i>Shamiqa</i>
23	20S16717	Tirumal Madev Naik	7022845067	<i>Tirumal</i>
24	20S16718	Usha Krishna Moger	9731716267	<i>Usha</i>



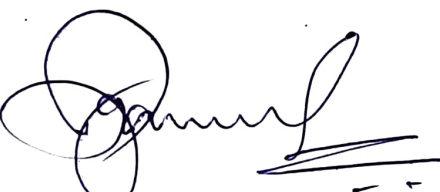
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Add-on course on Bibliometric Analysis

Time Table for the academic year 2022-23

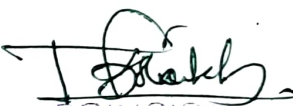
Days	Timings	Room No.
Saturday to Wednesday	3:00 P.M. to 4:00 P.M. (01 hr)	10


Course Coordinator

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IQAC Coordinator


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Course Title: Bibliometric Analysis

Course Overview:

This course introduces learners to bibliometric and infometric research methods as unique methodological disciplines in Library and Information Science (LIS) research. Participants will gain insights into bibliometric laws, regularities, and the practical applications of bibliometrics.

Learning Objectives:

By the end of the course, learners should be able to:

1. Explain the historical developments of bibliometrics.
2. Discuss bibliometric laws and regularities.
3. Understand bibliometric indicators and their limitations.

Course Duration:

- **Total Hours:** 30 hours
- **Frequency:** Daily one hour class

Detailed Syllabus:

1. Introduction to Bibliometric Methodologies & Indicators (Session 1)

- Introduction to the course
- Defining bibliometrics
- Bibliometric indicators & analysis
- Limitations of bibliometrics
- Citation analysis & limitations
- Non-normalized citation indicators

2. Citation Metrics and Bibliometric Data Sources (Session 2)

- Normalized citation indicators
- Citation normalization
- Field-normalized citation impact
- Field classification
- Relative Citation Ratio
- Percentiles
- Journal-based indicators
- Data sources: Web of Science, Scopus, Dimensions, Google Scholar, Open Citations Corpus, Publish or Perish

3. Network Analysis (Session 3)

- Bibliographic network analysis concepts
- Bibliographic network analysis tools
- Centrality, connectedness, & clustering
- VOSviewer (visualization tool)




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ATTENDANCE SHEET FOR THE COURSE ON BIBLIOMETRIC ANALYSIS 2022-23

TIME: 3:00 PM TO 4:00 PM

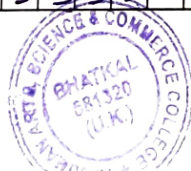
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ATTENDANCE SHEET FOR THE COURSE ON BIBLIOMETRIC ANALYSIS 2022-23

TIME: 3:00 PM TO 4:00 PM

TIME: 3:00 PM TO 4:00 PM																																																	
SL. NO.	REG NO.	NAME OF THE STUDENT	24/23	25/23	26/23	28/23	28/23	29/23	30/23	31/23	01/23	03/23	04/23	05/23	06/23	10/23	11/23	12/23	13/23	14/23	15/23	18/23	19/23	20/23	21/23	22/23	24/23	25/23	26/23	27/23	28/23	02/23	03/23	04/23															
13	20S16708	Monika Kamalakhar Moger	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK													
14	20S16709	Nain Khatija	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK												
15	20A27612	Naveen M Bhatkalkar	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK				
16	20S16710	Naveen Narayana Naik	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK				
17	20S16711	Naveenkumar Padmayya Naik	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK			
18	20S16712	Nayeem Ahmed Kotebagil	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK			
19	20S16713	Praveen Nagappa Naik	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK		
20	20S16714	Raviraj Manjunath Naik	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK		
21	20S16715	Roopa Nagaraj Acharya	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	
22	20S16716	Shamiqa	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	
23	20S16717	Tirumal Madev Naik	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	
24	20S16718	Usha Krishna Moger	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK



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Max. Marks: 100

Duration: 2 ½ hour

Section A: Multiple Choice Questions (20 marks)

1. What does bibliometric analysis primarily focus on?
 - A) Analyzing the content of individual articles
 - B) Examining patterns in scholarly publications
 - C) Investigating author affiliations
 - D) Reviewing conference proceedings
2. Which of the following is a common bibliometric indicator?
 - A) Impact factor
 - B) Author's h-index
 - C) Journal acceptance rate
 - D) Number of citations
3. What does the term "citation network" refer to in bibliometrics?
 - A) A network of libraries
 - B) A graph connecting cited and citing papers
 - C) A list of reference materials
 - D) A collaboration network among authors
4. Which type of bibliometric analysis focuses on identifying influential authors?
 - A) Co-citation analysis
 - B) Bibliographic coupling
 - C) Authorship analysis
 - D) Journal mapping
5. What is the purpose of a bibliometric literature review?
 - A) To summarize recent research findings
 - B) To identify gaps in the literature
 - C) To critique existing studies
 - D) To promote specific journals

Section B: Short Answer Questions (40 marks)

6. Explain the concept of “co-authorship” in bibliometric analysis.
7. Describe the steps involved in conducting a citation analysis.
8. How can bibliometric indicators be used to evaluate the impact of a research article?
9. Discuss the limitations of using journal impact factor as a bibliometric measure.
10. Provide an example of a bibliometric visualization technique.

Section C: Essay Questions (40 marks)

11. Compare and contrast bibliometric analysis with scientometric analysis.
12. Discuss the ethical considerations in bibliometric research.
13. Explain how bibliometric analysis can inform research policy and decision-making.
14. Explore the challenges of handling self-citations in bibliometric studies.
15. Propose a research question related to bibliometric analysis and outline the steps you would take to address it.

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NOTICE

LIB/08/AC/22-23

04-07-2023

This is to inform the students enrolled for the Add-on course on Bibliometric Analysis that the course exam for the academic year 2022-23 is scheduled to be held as below;

Date	Timings	Room No.
11-07-2023	10:00 am to 12:30 pm (2 ½ hr)	10


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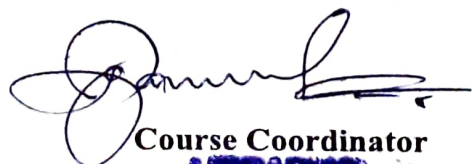

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Bibliometric Analysis Add-on Course 2022-23

Grades List

SL. NO.	REG NO.	NAME OF THE STUDENT	GRADES OBTAINED
1	20A27601	Abdul Gaffar	B+
2	20A27604	Arun Kumar Sukra Gond	B
3	20S16701	Asha Rama Naik	A
4	20S16702	Aysa	A+
5	20S16703	Bhaskar Krishna Naik	B+
6	20S16704	Dheeraj Janardhan Kharvi	B
7	20S16705	Lavanya Anand Moger	A
8	20S16706	Likhit Dasa Moger	B+
9	20A27607	Lohit Janardhan Harikant	B
10	20A27610	Mohammed Nihal	A
11	20A27611	Mohammed Usman Khan	A
12	20S16707	Monika Ishwar Naik	B
13	20S16708	Monika Kamalakar Moger	A
14	20S16709	Nain Khatija	B+
15	20A27612	Naveen M Bhatkalkar	A
16	20S16710	Naveen Narayana Naik	A
17	20S16711	Naveenkumar Padmayya Naik	B
18	20S16712	Nayeem Ahmed Kotebagil	B
19	20S16713	Praveen Nagappa Naik	A
20	20S16714	Raviraj Manjunath Naik	A
21	20S16715	Roopa Nagaraj Acharya	A+
22	20S16716	Shamiqa	A+
23	20S16717	Tirumal Madev Naik	B
24	20S16718	Usha Krishna Moger	B+


Course Coordinator
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Principal

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CERTIFICATE



A.H.M.s

ANJUMAN ARTS, SCIENCE AND COMMERCE COLLEGE

Anjumanabad, Bhatkal 581320, Uttara Kannada, Karnataka

Accredited at 'B' Level by NAAC

This is to certify that Mr/Miss Aysha with
register No. 20516702 has successfully completed Add-On Course on Bibliometric Analysis
during 24-05-2023 to 04-07-2023 and secured A⁺ grade.



Mr. A.G. Jamadar
Course Co-Ordinator

Prof. S.A. Indikar
IQAC Co-Ordinator

Prof. Mushtaque K. Shaikh
Principal

CERTIFICATE



A.H.M.s

ANJUMAN ARTS, SCIENCE AND COMMERCE COLLEGE

Anjumanabad, Bhatkal 581320, Uttara Kannada, Karnataka

Accredited at 'B' Level by NAAC

This is to certify that Mr/Miss Naveen M. BhatkalKar with
register No. 20A27612 has successfully completed Add-On Course on Bibliometric Analysis
during 24-05-2023 to 04-07-2023 and secured A grade.



Mr. A.G. Jamadar
Course Co-Ordinator

Prof. S.A. Indikar
IQAC Co-Ordinator

Prof. Mushtaque K. Shaikh
Principal

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Report and Outcome Analysis

Name of the Course: Bibliometric Analysis

Name of the Department: Library and Information Science

Number of students enrolled : 24

BoS Meeting Date: 06-05-2023

Start Date of the Course: 24-05-2023

End Date of the Course: 04-07-2023

The Department of Library and Information Science has conducted an add-on course on Bibliometric Analysis for the Students who are interested in this area of knowledge from 24-05-2023 to 04-07-2023.

The course was about "to improve the basic knowledge of Statistical Analyses of books, articles, or other publications.

24 students were enrolled in this course and they benefited with the fundamental knowledge of Bibliometric Analysis. Students also applied these skills and concepts during the assignments.

Course concluded with final examination and certificate distribution.

Outcomes of the Course:

- Understanding the objectives and advantages of bibliometric analysis
- Differentiating bibliometric analysis from other research methods like meta-analysis and systematic literature reviews
- Conducting performance analysis, science mapping, citation analysis, co-citation analysis, bibliographic coupling, co-word analysis, co-authorship analysis
- Using popular bibliometric analysis tools like VOSviewer, CiteSpace, and SciMAT to visualize and analyze citation data
- Choosing appropriate techniques for bibliometric analysis
- Reporting the findings of bibliometric analysis in a clear and concise manner
- Apply bibliometric analysis to various fields, including science, engineering, and social sciences
- Utilize network metrics and clustering to identify research trends
- Identify emerging research areas with bibliometric analysis
- Develop a comprehensive understanding of bibliometric analysis




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