

VAC076	INFORMATION RETRIEVAL TECHNIQUES FROM SCHOLARLY DATABASES
Contact Hours	30 Hours
Prerequisite	Nil

Course Description

This course on Information Retrieval Techniques from Scholarly Databases is designed to provide students with the knowledge and skills to effectively access and utilize information from academic and scholarly sources. Students will explore various techniques and tools for efficient searching, filtering, and organizing scholarly data. The course aims to empower individuals with the ability to access, evaluate, and apply scholarly information in their research and professional endeavors.

Course Objectives

Students will be able to:

- Understand the significance of scholarly databases in research and academia.
- Develop advanced search strategies for information retrieval from scholarly sources.
- Evaluate and select appropriate scholarly databases and search engines.
- Apply filtering and organizing techniques to manage research results effectively.
- Navigate intellectual property and copyright issues related to scholarly information.

Course Outcomes

On completion of the course students will be able to:

CO 1: Explain the significance of scholarly databases in research and academia.

CO 2: Develop advanced search strategies for information retrieval from scholarly sources.

CO 3: Evaluate and select appropriate scholarly databases and search engines.

CO 4: Apply filtering and organizing techniques to manage research results effectively.

Course Outline

Module 1: Introduction to Scholarly Databases

4 hours

- The Role of Scholarly Databases in Research
- Ethical Considerations in Information Retrieval
- Types of Scholarly Databases and Search Engines



- Real-world Applications of Scholarly Research

Module 2: Advanced Search Strategies

4 hours

- Boolean Operators and Truncation
- Advanced Search Techniques and Syntax
- Using Subject Headings and Controlled Vocabulary
- Citation Searching and Citation Analysis

Module 3: Scholarly Database Evaluation

4 hours

- Criteria for Evaluating Scholarly Databases
- Database Selection and Access Options
- Database Subscription Models and Open Access
- Interdisciplinary Databases and Specialized Collections

Module 4: Effective Filtering and Organizing

5 hours

- Refining Search Results
- Citation Management Tools
- Creating Alerts and RSS Feeds
- Organizing and Annotating Research Results

Module 5: Intellectual Property and Copyright

5 hours

- Copyright and Fair Use in Scholarly Research
- Creative Commons and Open Access Licensing
- Plagiarism and Academic Integrity
- Citing Scholarly Sources and Avoiding Infringement

Module 6: Critical Thinking and Information Literacy

4 hours

- Evaluating Scholarly Sources
- Assessing Information Credibility
- Peer Review and Scholarly Publishing Process
- Scholarly Communication and Collaboration

Module 7: Scholarly Research Excellence

4 hours

- Research Ethics and Integrity
- Scholarly Impact Metrics
- Scholarly Networking and Collaboration
- Promoting Open Science and Research Reproducibility



Practicum

The course includes a practicum where students will engage in advanced search strategies and techniques, evaluate scholarly databases, use citation management tools, assess intellectual property and copyright issues, and complete a final scholarly information retrieval project.

Textbook

Dhillon, G. (2017). *Scholarly Information Discovery in the Networked Academic Learning Environment*. Chandos Publishing.

Reference Books

Cronin, B. (2018). *The Hand of Science: Academic Writing and Its Rewards*. Scarecrow Press.

Nitecki, D. A., & Covi, L. M. (2017). *Scholarly Journals in the New Digital World*. University of Illinois Press.

Willinsky, J. (2015). *The Access Principle: The Case for Open Access to Research and Scholarship*. MIT Press.

	Evaluation Component	Weightage (%)
1	Activities and Assignments	20
2	Project	20
3	Attendance	10
4	End Term Examination	50



K.R. MANGALAM UNIVERSITY
E D U C A T I O N F O R L I F E
(Recognized by UGC and a member of AIU)

Ref.No.: KRMU/Admin./Notice/2021-22/ 2438(13)

Dated: 4th August, 2021

NOTICE

This is to put for information that School of Management and Commerce is offering Value-Added Course (VAC) for all interested students during ODD Semester as per the following specifications.

Course Code	Course Title	Coordinating Department / School	Duration
VAC068	Sustainability Finance	SOMC	30 Hrs.
VAC076	Information Retrieval Techniques from Scholarly Databases	SOMC	30 Hrs.
VAC078	Women Entrepreneurship Development	SOMC	30 Hrs.

Maximum 100 seats are available for the course.

Course Start Date: 08 September 2021

Course End Date: 29 September 2021

All interested students are required to confirm their registration with the Dean-School of Management and Commerce latest by **26th August, 2021.**

Registrar

Registrar

K.R. Mangalam University

Copy to: Sohna Road, Gurgaon (Haryana)

- Vice Chancellor
- Dean (Academics Affairs)
- Controller of Examinations
- All Deans/ School Coordinators
- All Faculty Members/ Mentors
- Notice Board
- Office Copy

: For kind information

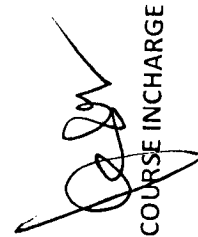
Registrar

K.R. Mangalam University

Sohna Road, Gurgaon (Haryana)

COURSE TITLE: INFORMATION RETRIEVAL TECHNIQUES
FROM SCHOLARLY DATABASE

ROLL NO	NAME	17-Nov-21	21-Nov-21	24-Nov-21	26-Nov-21	1-Dec-21	3-Dec-21	8-Dec-21	10-Dec-21	15-Dec-21	17-Dec-21
2101730044	N RIA	P	P	P	P	P	A	A	P	A	P
2101730043	KARTIK VATS	P	P	P	P	P	P	P	A	P	P
2101730042	PRATEEK SINGH RATHOR	P	P	P	P	A	P	P	P	P	P
2101730015	JATIN FIANS	P	A	P	P	P	P	A	P	P	P
2101730011	BILLY JASNEEL SINGH	P	P	P	P	P	P	P	A	A	P
2105140012	TEJAS BHUSHAN	P	P	P	A	P	P	A	P	A	P
2105140006	SEHAJ MADAN	P	P	P	P	A	P	P	P	P	P
2105140008	NIMISHA SHARMA	P	P	P	A	P	P	A	P	A	P
2102080113	SANYAM MANN	P	P	A	P	P	P	P	A	P	P
2102080091	JATIN SHARMA	P	P	P	P	A	P	P	P	P	P
2102080086	PENNA GOOTY	P	P	P	P	P	P	P	P	P	P
	SHALIVAHANA	P	P	P	P	P	P	P	A	P	P


COURSE INCHARGE

17/12/21

School of Management & Commerce
GGS Indraprastha University
Sector 14, Rohtak
Haryana - 141005
DEAN



ATTENDANCE SHEET

VAC COURSE FOR ACADEMIC YEAR 2021-22

COURSE CODE: VAC076

COURSE TITLE: INFORMATION RETRIEVAL TECHNIQUES
FROM SCHOLARLY DATABASE

ROLL NO	NAME	PROGRAMME	SEMESTER	8-Sep-21	10-Sep-21	17-Sep-21	22-Sep-21	29-Sep-21	3-Oct-21	5-Oct-21	10-Oct-21
2101730044	N RIA	B Tech CSE	Semester I	A	P	P	P	P	P	P	P
2101730043	KARTIK VATS	B Tech CSE	Semester I	A	A	P	A	P	P	P	A
2101730042	PRATEEK SINGH RATHOR	B Tech CSE	Semester I	P	A	P	P	A	P	P	P
2101730015	JATIN HANS	B Tech CSE	Semester I	A	P	P	A	P	P	A	P
2101730011	BILLY JASNEEL SINGH	B Tech CSE	Semester I	A	A	A	P	P	P	P	P
2105140012	TEJAS BHUSHAN	B3A LLB (H)	Semester I	P	P	A	P	P	P	P	P
2105140006	SEHAJ MADAN	BBA LLB (H)	Semester I	P	P	P	P	P	P	A	A
2105140008	NIMISHA SHARMA	B3A LLB (H)	Semester I	P	P	A	P	P	P	P	P
2102080113	SANYAM MANN	B3A in BI and Analytics	Semester I	P	P	A	P	P	P	P	A
2102080091	JATIN SHARMA	B3A in BI and Analytics	Semester I	A	P	A	P	P	A	A	P
2102080086	PENNA GOOTY	B3A in BI and Analytics	Semester I	A	P	P	A	P	P	P	P


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Dean
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Sohna road, Gurugram
Uttar Pradesh 201302



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VAC COURSE FOR ACADEMIC YEAR 2021-22

COURSE CODE: VAC076

COURSE TITLE: INFORMATION RETRIEVAL TECHNIQUES

FROM SCHOLARLY DATABASE

ROLL NO	NAME	12-Oct-21	17-Oct-21	19-Oct-21	24-Oct-21	26-Oct-21	1-Nov-21	3-Nov-21	5-Nov-21	10-Nov-21	12-Nov-21
2101730044	N RIA	P	P	P	P	P	P	P	P	P	P
2101730043	KARTIK VATS	P	P	P	P	P	P	A	P	A	P
2101730042	PRATEEK SINGH RATHOR	P	P	P	P	P	P	P	P	P	P
2101730015	JATIN HANS	P	P	P	P	A	P	P	P	A	P
2101730011	BILLY JASNEEL SINGH	A	P	P	P	P	P	P	P	P	P
2105140012	TEJAS BHUSHAN	P	P	P	P	P	P	P	P	P	P
2105140006	SEHAJ MADAN	P	P	P	P	A	P	P	P	P	P
2105140008	NIMISHA SHARMA	P	P	P	P	P	P	P	P	P	A
2102080113	SANYAM MANN	P	P	A	P	P	P	A	P	P	P
2102080091	JATIN SHARMA	P	P	A	P	P	A	P	P	P	P
2102080086	PENNA GOOTY	P	P	P	P	P	P	P	P	P	A

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Haryana 122103



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VAC COURSE FOR ACADEMIC YEAR 2021-22

COURSE CODE: VAC076

COURSE TITLE: INFORMATION RETRIEVAL TECHNIQUES

FROM SCHOLARLY DATABASE

ROLL NO	NAME	22-Dec-21	24-Dec-21	29-Dec-21	Total	Present	Percentage
2101730044	N RIA	P	A	P	31	26	83.87
2101730043	KARTIK YATS	P	P	P	31	24	77.42
2101730042	PRATEEK SINGH RATHOR	A	A	A	31	25	80.65
2101730015	JATIN HANS	P	P	P	31	24	77.42
2101730011	BILLY JASNEEL SINGH	P	P	A	31	24	77.42
2105140012	TEJAS BHUSHAN	P	P	P	31	27	87.10
2105140006	SEHAJ MADAN	A	P	P	31	26	83.87
2105140008	NIMISHA SHARMA	P	P	P	31	26	83.87
2102080113	SANYAM MANN	P	P	P	31	25	80.65
2102080091	JATIN SHARMA	P	P	P	31	24	77.42
2102080086	PENNA GOOTY	P	P	P	31	27	87.10


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THE COMPLETE WORLD OF EDUCATION

VALUE ADDED COURSE(VAC)

ACADEMIC YEAR 2021-22

COURSE CODE: VAC076

COURSE TITLE: INFORMATION RETRIEVAL TECHNIQUES

COURSE OFFERED BY: SCHOOL OF MANAGEMENT AND COMMERCE (SOMC)

LIST OF STUDENTS COMPLETING THE COURSE

S.NO	SESSION	ROLL NO	NAME	PROGRAMME	SEMESTER	COURSE CODE	COURSE TITLE	SCHOOL
1	2022-23	2101730044	N RIA	B.Tech CSE	Semester I	VAC076	INFORMATION RETRIEVAL TECHNIQUES	SCHOOL OF ENGINEERING & TECHNOLOGY (SOET)
2	2022-23	2101730043	KARTIK VATS	B.Tech CSE	Semester I	VAC076	INFORMATION RETRIEVAL TECHNIQUES	SCHOOL OF ENGINEERING & TECHNOLOGY (SOET)
3	2022-23	2101730042	PRATEEK SINGH RATHOR	B.Tech CSE	Semester I	VAC076	INFORMATION RETRIEVAL TECHNIQUES	SCHOOL OF ENGINEERING & TECHNOLOGY (SOET)
4	2022-23	2101730015	JATIN HANS	B.Tech CSE	Semester I	VAC076	INFORMATION RETRIEVAL TECHNIQUES	SCHOOL OF ENGINEERING & TECHNOLOGY (SOET)
5	2022-23	2101730011	BILLY JASNEEL SINGH	B.Tech CSE	Semester I	VAC076	INFORMATION RETRIEVAL TECHNIQUES	SCHOOL OF ENGINEERING & TECHNOLOGY (SOET)
6	2022-23	2105140012	TEJAS BHUSHAN	BBA LLB (H)	Semester I	VAC076	INFORMATION RETRIEVAL TECHNIQUES	SCHOOL OF LEGAL STUDIES(SOLS)
7	2022-23	2105140006	SEHAJ MADAN	BBA LLB (H)	Semester I	VAC076	INFORMATION RETRIEVAL TECHNIQUES	SCHOOL OF LEGAL STUDIES(SOLS)
8	2022-23	2105140008	NIMISHA SHARMA	BBA LLB (H)	Semester I	VAC076	INFORMATION RETRIEVAL TECHNIQUES	SCHOOL OF LEGAL STUDIES(SOLS)
9	2022-23	2102080113	SANYAM MANN	BBA in BI and Analytics SAMATRIX	Semester I	VAC076	INFORMATION RETRIEVAL TECHNIQUES	SCHOOL OF MANAGEMENT & COMMERCE(SOMC)
10	2022-23	2102080091	JATIN SHARMA	BBA in BI and Analytics SAMATRIX	Semester I	VAC076	INFORMATION RETRIEVAL TECHNIQUES	SCHOOL OF MANAGEMENT & COMMERCE(SOMC)
11	2022-23	2102080086	PENNA GOOTY SHALIVAHANA	BBA in BI and Analytics SAMATRIX	Semester I	VAC076	INFORMATION RETRIEVAL TECHNIQUES	SCHOOL OF MANAGEMENT & COMMERCE(SOMC)


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This is to certify that **N RIA**, University Enrolment No **2101730044** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC076 (Information Retrieval Techniques from Scholarly Database)** during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

huahajan

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This is to certify that **KARTIK VATS**, University Enrolment No **2101730043** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC076** (Information Retrieval Techniques from Scholarly Database) during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

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This is to certify that **PRATEEK SINGH RATHOR**, University Enrolment No **2101730042** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC076 (Information Retrieval Techniques from Scholarly Database)** during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

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Dr. J. K. Singh

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This is to certify that **JATIN HANS**, University Enrolment No **2101730015** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC076 (Information Retrieval Techniques from Scholarly Database)** during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

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This is to certify that **BILLY JASNEEL SINGH**, University Enrolment No **2101730011** of **B.Tech CSE** programme has successfully qualified **VALUE ADDED COURSE VAC076** (Information Retrieval Techniques from Scholarly Database) during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

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This is to certify that **TEJAS BHUSHAN**, University Enrolment No **2105140012** of **BBA LLB (H)** programme has successfully qualified **VALUE ADDED COURSE VAC076** (Information Retrieval Techniques from Scholarly Database) during Academic Session **2021-22 (Odd Semester)**.

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This is to certify that **SEHAJ MADAN**, University Enrolment No **2105140006** of **BBA LLB (H)** programme has successfully qualified **VALUE ADDED COURSE VAC076** (Information Retrieval Techniques from Scholarly Database) during Academic Session **2021-22 (Odd Semester)**.

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This is to certify that **NIMISHA SHARMA**, University Enrolment No **2105140008** of **BBA LLB (H)** programme has successfully qualified **VALUE ADDED COURSE VAC076** (Information Retrieval Techniques from Scholarly Database) during Academic Session **2021-22 (Odd Semester)**.

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Date: 21.02.2022

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This is to certify that **SANYAM MANN**, University Enrolment No **2102080113** of **BBA in BI and Analytics SAMATRIX** programme has successfully qualified **VALUE ADDED COURSE VAC076 (Information Retrieval Techniques from Scholarly Database)** during Academic Session **2021-22 (Odd Semester)**.

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Date: 21.02.2022

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CERTIFICATE OF COMPLETION

This is to certify that **JATIN SHARMA**, University Enrolment No **2102080091** of **BBA in BI and Analytics SAMATRIX** programme has successfully qualified **VALUE ADDED COURSE VAC076 (Information Retrieval Techniques from Scholarly Database)** during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

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CERTIFICATE OF COMPLETION

This is to certify that **PENNA GOOTY SHALIVAHANA**, University Enrolment No **2102080086** of **BBA in BI and Analytics SAMATRIX** programme has successfully qualified **VALUE ADDED COURSE VAC076 (Information Retrieval Techniques from Scholarly Database)** during Academic Session **2021-22 (Odd Semester)**.

Date: 21.02.2022

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