Tirumala Tirupati Devasthanams
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Sri Venkateswara College
(University of Delhi)
NAAC Grade A+

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SRI VENKATESWARA COLLEGE
(UNIVERSITY OF DELHI)

EVENT REPORT

NAME OF THE EVENT: Hands-on Workshop on "Research Methodology for Chemists" (DSE -13)			
DATE	**DEPARTMENT**	**COMMITTEE/SOCIETY**	**COORDINATORS' NAME**
21-02-2025 & 22-02-2025	Chemistry	--	Dr. Pooja Dr. Laishram Saya Devi Dr. Shikha Gulati
TIME	**VENUE**	**NUMBER OF PARTICIPANTS**	**NATURE: Outdoor/Indoor; online/offline/hybrid**
9:00 am – 4:00 pm	Day 1: Room No.57 Day 2: Seminar Hall	40	Indoor Offline
FINANCIAL SUPPORT/ASSISTANCE (if any):	**NA**		

BRIEF INFORMATION ABOUT THE ACTIVITY

TOPIC/SUBJECT OF THE ACTIVITY	Hands-on Workshop on "Research Methodology for Chemists" (DSE -13)
OBJECTIVES	The objectives of the workshop were as follows: • To introduce participants to essential research methodologies and techniques relevant to chemistry. • To provide hands-on experience in designing and conducting research experiments, including data collection and analysis. • To familiarize participants with the tools, software, and equipment commonly used in chemistry research. • To guide participants on how to effectively conduct literature reviews and identify relevant research articles, ensuring solid foundations for their own research.

METHODOLOGY	The workshop combined theoretical learning with practical experience to ensure a comprehensive understanding of research practices. The workshop commenced with expert lectures and presentations from department professors, covering essential topics like research design, hypothesis formulation, and scientific ethics. Participants actively engaged in case studies and group discussions, applying theoretical knowledge to real-world challenges and developing critical thinking skills. Practical sessions provided hands-on experience in collecting data, and analysing results using research tools and software, with continuous guidance from the professors.
INVITED SPEAKERS WITH AFFLIATION DETAILS (IF ANY)	**Nil**
OUTCOMES	The participants developed the ability to design and formulate research hypotheses, with a strong emphasis on ethical considerations in scientific research. The interactive case studies and group discussions fostered improved problem-solving abilities and critical thinking, equipping participants to approach real-world research challenges with confidence. Furthermore, participants improved their ability to conduct literature reviews, utilize scientific databases, and develop well-structured research proposals.

PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

1 Notice & Letters ✓	2 Number of Participants & Name of participants ✓	3 Video clip	4 Photos ✓	5 Feedback Form & analysis ✓
6 News clip with details	7 Sample Copy of the Certificate ✓	8 Posters/ Invites ✓	9 Event report Attested by Event Coordinator & IQAC Coordinator ✓	10 Any other document ✓ **Completion certificate e-certificate for participants**

Departmental file no: SVC/CHEMISTRY/2024-25/November 2024/04

IQAC File No: SVC/IQAC/CHEMISTRY/2024-25/November 2024
Criterion No: I, III, V
NAME OF EVENT-IN-CHARGE & SIGNATURE:  Prof. Sanjay Kumar

Note: Please fill in your own details in places with red font

For Reference

Criterion I	Curricular Aspects (planning & Implementation)		Criterion V	Student Support & Progression
Criterion II	Teaching Learning & Evaluation		Criterion VI	Governance, Leadership & Management
Criterion III	Research, Innovations & Extension		Criterion VII	Institutional Values & Best Practices
Criterion IV	Learning Resources and Infrastructure			

REPORT

The **Department of Chemistry** of Sri Venkateswara College organized an enriching hands-on workshop on "**Research methodology for chemists (DSE-13)**".

The research methodology workshop was a successful event, featuring a structured series of sessions aimed at enhancing participants' understanding of research techniques and procedures. The workshop commenced with an inaugural session, setting the tone for the event, followed by insightful sessions conducted by expert speakers who covered various aspects of research methodology. These sessions provided valuable knowledge on research design, data collection, analysis techniques, and ethical considerations. To reinforce learning, an assessment quiz was conducted, allowing participants to evaluate their understanding of the topics covered. The workshop proved to be an enriching experience, equipping attendees with essential skills for conducting effective research.

Various sessions aimed to familiarize participants with the key goals and expected takeaways of the proceeding sessions. It provided an understanding of research methodologies. By the end of the session, attendees learned a basic skeleton of research work. The sessions covered comprehensive understanding of the key stages involved in conducting research, including defining a research problem, reviewing literature, formulating hypotheses, designing experiments, and analysing data. Additionally, hands-on training was conducted, where participants engaged in experimental learning of safe storage and handling of hazardous chemicals, enhancing their practical skills in laboratory safety and chemical management. Participants learned about primary, secondary, and tertiary sources, journal abbreviations, and the responsible use of digital databases like Google Scholar, Web of Science, Scopus, and others. Various search techniques, including Boolean and proximity searches, were discussed to refine research findings efficiently. The hands-on activities involved collecting journal articles on a specific topic using Google Scholar, Science Direct, and Scopus, followed by database creation and focused on key research metrics such as impact factor, h-index, i10 index, Altmetrics, and citation index, which help evaluate the quality and influence of research work. It also covered author identifiers like ORCID, Publons, Google Scholar, ResearchGate, and VIDWAN, emphasizing their role in academic profiling and visibility.

The workshop covered essential aspects of scientific research, starting with communication in science, emphasizing effective writing and presentation skills for researchers. A session on reference management tools introduced software like Mendeley and Zotero to streamline citation and bibliography organization. Discussions on research and publication ethics highlighted integrity, plagiarism prevention, and responsible authorship. The importance of intellectual property rights (IPR) was explored, focusing on patents, copyrights, and trademarks in scientific innovations. Additionally, a session on statistical analysis for chemists provided insights into data interpretation, error analysis, and statistical tools crucial for chemical research. The workshop successfully equipped participants with key skills to enhance their research quality and impact.

Convenor



Prof. Sanjay Kumar

EVENT PERMISSION FORM

Tirumala Tirupati Devasthanams
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PERMISSION FOR ORGANIZATION OF EVENTS

NOTE: 1.Please ensure a pre booking of the venue before getting the permission letter signed.
2. A copy of this duly filled form signed by the TIC/ Convener, IQAC Coordinator and Principal shall be submitted to ICT and/or Caretaker for necessary action.
3. Please ensure that the completion certificate of the event is physically signed by the Convener of the event, IQAC Coordinator and Principal after the event report is made.

EVENT DETAILS

1. Name of the Department/Society/Association:....CHEMISIRY.....
2. Name of the TIC and/or Convenor: Prof./Dr./Mr./Ms.....SANJAY....KUMAR.....
   .....
3. Proposed Title of the Event: Hands On Workshop on Research Methodology for chemist-
4. Nature of Event: Seminar/Conference/Symposium/Workshop/FDP/Public or Community outreach/ Skill enhancement/others (Please specify) ...Workshop.....
5. Participants: Student-centric /Faculty/ Other stakeholders (Please specify).....B.Sc.(H) Chemistry Third Year
6. Event Type: Offline/Online/Hybrid; Indoor/Outdoor
7. Collaborating Agency /Organization (If any): ...NA.....
8. Tentative List of Speakers with affiliations: .....
   .....
   .....
   .....
9. Date & Time (from – to): ...21st February – 22nd February, 2025, 9:00 AM – 3:00 PM
10. Financial Assistance/ Funding received (if any) (Please specify amount): NA.....
11. Proposed Budget (please attach details in a separate enclosure): .....

12. Faculty responsible for Geo Tagged Pictures ... Dr POOJA .....

13. Faculty responsible for Event Report ... Dr. Laichram Saya + Dr. Smitha Gulati

14. ICT support required, if any (ICT Lab, Laptop, LCD projector) NA

15. Caretaker support required (tables, chairs, public addressing system, sanitation, manpower assistance) Yes, chairs, plants, Tables

16. Venue requirement (Seminar hall/ Ground/others) Room no. 57 (21st Feb) and Instrumentation Seminar Room (22nd Feb)

Saved
TIC/Convenor
Date:

Permitted
19/2/25

For official purpose

Comments (If any)
Criteria 1, 2,

For Richa Misra
IQAC Coordinator
Date:

18/2/25
Principal
Date:

LIST OF PARTICIPANTS (Attendance sheets)

Tirumala Tirupati Devasthanams
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ATTENDANCE SHEET

TITLE OF THE EVENT: Hand On Workshop: Research Methodology for Chemists

DATE OF THE EVENT: *21st-22nd February, 2025*

NAME OF THE DEPARTMENT/ SOCIETY: Department of Chemistry

NAME OF THE CONVENOR: PROF. SANJAY KUMAR

Session Topic: Intellectual Property Rights

Resource Person: Dr. ~~Neha~~ Shikha Gulati

S.NO.	NAME OF THE STUDENT	ROLL NO. OF THE STUDENT	COURSE AND YEAR	SIGNATURE
01	Ankita	1522079	Chem. 3rd year	Ankita
02	Nitesh	1522050	"	Nitesh
03	Bhupendra	1522021	"	Bhupendra
04	Saurabh Pandey	1522017	"	
05	TAMANNA	1522026	"	
06	Neelam	1522028	"	
07.	Kanchan	1522009	"	Kanchan
08.	Komal Pandit	1522001	"	KomalPandit
09.	Ritu Singh	1522004	"	RituSingh
10.	Nancy	1522012	"	Nancy
11.	Chanchal	1522083	chem. 3rd	Chanchal
12.	AKriti	1522075	"	
13.	Swarna	1522058	"	
14.	Preeti Kumari	1522059	"	Preeti
15.	Tanya Vishnani	1522003	"	Tanya
16.	Ojas Awasthi	1522019	"	
17.	Vaishnavi	1522018	"	Vaishnavi
18.	Rachit Tomar	1522011	"	
19.	Sagar Negi	1522044	"	Sagar
20.	Harsh Pahuja	1522080	"	Harsh
21	Shrishti Singh	1522065	"	Shrishti
22	Sneha Prajapati	1522056	"	Sneha
23	Shagun Maheshwari	1522082	"	Shagun
24	Simran Varsha	1522076	"	Simran
25	Deepvijay Sakya	1522055	"	Deepvijay
26	Aman Maurya	1522062	"	Aman
27	Pooja Kumari	1522066	"	Pooja
28	Nandini Pahuja	1522045	"	Nandini
29	Ashish	1522069	"	Ashish

S.NO.	NAME OF THE STUDENT	ROLL NO. OF THE STUDENT	COURSE AND YEAR	SIGNATURE
30	KHUSHI JASWAL	1522022	Bsc chem (4)	
31	ESHITA KAINTHOLA	1522052	"	
32	ANCHAL PANDEY	1522081	"	

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TITLE OF THE EVENT: Hand On Workshop: Research Methodology for Chemists

DATE OF THE EVENT: *21st-22nd February, 2025*

NAME OF THE DEPARTMENT/ SOCIETY: Department of Chemistry

NAME OF THE CONVENOR: PROF. SANJAY KUMAR

Session Topic: Reference management using tools

Resource Person: Dr. Harshvardhan Meena and Dr. T. Vasantha

S.NO.	NAME OF THE STUDENT	ROLL NO. OF THE STUDENT	COURSE AND YEAR	SIGNATURE
1.)	Simran Raj	1522076	BSc(H)Chem. 3rd year	Simran
2)	Shagun	1522082	"	Shagun.
3)	Shreenidhe Singh	1522065	"	Shreenidhe
4)	Sneha Prajapati	1522056	"	Sneha
5)	Aman Maurya	1522062	"	Aman
6)	Deepvijay Shakya	1522055	"	Deepvijay
7)	Saumitra	1522064	"	Saumitra
8)	Pooja Kumari	1522066	"	Pooja
9)	Ankita	1522079	"	Ankita
10)	Nitesh	1522050	"	Nitesh
11)	Naudini	1522045	"	Naudini.
12)	Ashish Kr. Jha	1522069	"	Ashish
13.	Bhupendra Singh	1522021	"	Bhupendra
14	TAMANNA	1522020	"	Tamanna
15	Saurabh	CS22017	"	
16	Neelam	1522028	"	
17	ESHITA KAINTHOLA	1522052	"	Eshita
18	ANCHAL PANDEY	1522081	"	anchal.
19	KHUSHI JASWAL	1522022	"	Khushi.
20	Harsh Pahuja	1522080	"	Harsh.
21	Rachit Tomar	1522011	"	
22	Sagar Negi	1522044	"	
23	Ojal Awasthi	1522019	"	Ojal.
24	Tanya Verma	1522003	"	Tanya
25.	Vaishnavi	1522018	"	Vaishnavi
25	Preeti Kumari	1522059	"	Preeti
26	Akriti	1522075	"	Akriti
27.	Chanchal	1522083	"	Chanchal.
28	Sushant Yadav	1522053	"	
29.	Manya Roy	1522078		Manya

S.NO.	NAME OF THE STUDENT	ROLL NO. OF THE STUDENT	COURSE AND YEAR	SIGNATURE
30	Jaideep	1522054	BSc(H)Chemistry	Jaideep
31	Akshit	96	"	Akshit
32	Amit	57	"	Amit
33	Harsh	91	"	Harsh
34	mohit	10	"	mohit
35	prakshit	72	"	prakshit
36	Nishthey	70	"	Nishthey
37.	Kanchan	1522009	"	Kanchan
38.	Rita Singh	1522004	"	Rita
39.	Komal Pandit	1522001	"	KomalPandit
40.	Nancy	1522012	"	Nancy

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ATTENDANCE SHEET

TITLE OF THE EVENT: Hand On Workshop: Research Methodology for Chemists

DATE OF THE EVENT: *21st-22nd February, 2025*

NAME OF THE DEPARTMENT/ SOCIETY: Department of Chemistry

NAME OF THE CONVENOR: PROF. SANJAY KUMAR

Session Topic: Communication in Science

Resource Person: Dr. Chandrasekhar Tekuri and Dr. Ramnath Janraj Naik

S.NO.	NAME OF THE STUDENT	ROLL NO. OF THE STUDENT	COURSE AND YEAR	SIGNATURE
1.	Simran Raj	1522076	BSC(H)Chem. 3rd year	Simran
2.	Shagun Maheshwari	1522082	"	Shagun
3.	Shrindhi Singh	1522065	"	Shrindhi
4.	Sneha Prajapati	1522056	"	Sneha
5.	Deepvijay Sakya	1522055	"	Deep
6.	Aman Maurya	1522062	"	Aman
7.	Saumitra	1522064	"	Saum
8.	Pooja Kumari	1522066	"	Pu
9.	Ankita	1522079	"	Ankita
10	Nitesh	1522050	"	Nitesh
11	Ashish	1522069	"	Ashish
12	Naudini	1522045	"	Naudini
13.	Bhupendra	1522021	"	Bhupendra
14	Saurabh	1522017	"	Saurabh
15	Neelam	1522028	"	Neelam
16	TAMANNA	1522020	"	Tamanna
17	Komal Pandit	1522009	"	Komal Pandit
18	Ritu Singh	1522004	"	Ritu
19	Kanchan	1522009	"	Kanchan
20	Nancy	1522012	"	Nancy
21	Akriti kumari	1522075	"	Akriti
22	Chanchal	1522083	"	Chanchal
23	Preeti Kumari	1522059	"	Preeti
24	Anchal Pandey	1522081	"	Anchal
25	Eshita Kainthola	1522052	"	Eshita
26	Khushi Jaswal	1522022	"	Khushi
27	Tanya Virmani	1522003	"	Tanya
28	Vaishnavi	1522018	"	Vaishnavi
29	Ojal Awasthi	1522019	"	Ojal
30.	Rachit Tomar	1522011	"	Rachit

S.NO.	NAME OF THE STUDENT	ROLL NO. OF THE STUDENT	COURSE AND YEAR	SIGNATURE
31.	Harsh Pahuja	1522080	4	Harsh
32.	Sagar Negi	1522044	4	Sagar

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DATE OF THE EVENT: *21st-22nd February, 2025*

NAME OF THE DEPARTMENT/ SOCIETY: Department of Chemistry

NAME OF THE CONVENOR: PROF. SANJAY KUMAR

Session Topic: Research and Publication Ethics - I

Resource Person: Dr. Laishram Saya Devi & Dr. Y. V. Manohar Reddy

S.NO.	NAME OF THE STUDENT	ROLL NO. OF THE STUDENT	COURSE AND YEAR	SIGNATURE
01	Ankita	1522079	Chem. Hons. 3rd year	Ankita
02	Nitesh	1522050	"	Nitesh
03	Bhupendra	1522021	"	Bhupendra
04	Komal Pandit	1522001	4	Komal Pandit
05	Nancy	1522012	4	Nancy
06	Nandini Pabreja	1522048	"	Nandini
07	Ashish Kumar	1522069	"	Ashish
08	Deepvijay Shakya	1522055	4	Deepvijay
09	Aman Maurya	1522062	"	Aman
10	Saurabh Pandey	1522017	"	Saurabh
11	TAMANNA	1522020	"	Tamanna
12	Neelam	1522028	"	Neelam
13	Harsh	1522080	4	Harsh
14	Sagar	1522044	4	Sagar
15	Rachit	1522011	4	Rachit
16	Ojal	1522019	4	Ojal
17	Vaishnavi	1522018	4	Vaishnavi
18	Tanya	1522003	4	Tanya
19	Kanchan	1522009	4	Kanchan
20	Ritu Singh	1522004	4	Ritu
21	Chanchal	1522083	4	Chanchal
22	Akriti	1522075	4	Akriti
23	Swapna	1522058	4	Swapna
24	Preeti Kumari	1522059	4	Preeti
25	Bhagyam Mahalakshmi	1522089	4	Bhagyam
26	Simran Raj	1522076	"	Simran
27	Shrinidhi	1522065	"	Shrinidhi
28	Sneha	1522056	"	Sneha
29	Anchal Pandey	1522081	"	Anchal
30	Eshita Kaintholia	1522052	"	Eshita

S.NO.	NAME OF THE STUDENT	ROLL NO. OF THE STUDENT	COURSE AND YEAR	SIGNATURE
31	Khushi Jaiswal	1522022	II	Khushi

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ATTENDANCE SHEET

TITLE OF THE EVENT: Hand On Workshop: Research Methodology for Chemists

DATE OF THE EVENT: *21st-22nd February, 2025*

NAME OF THE DEPARTMENT/ SOCIETY: Department of Chemistry

NAME OF THE CONVENOR: PROF. SANJAY KUMAR

Session Topic: Statistical analysis for chemists

Resource Person: Dr. Ravindra kumar Upadhyay & Dr. Meena Bisht

S.NO.	NAME OF THE STUDENT	ROLL NO. OF THE STUDENT	COURSE AND YEAR	SIGNATURE
1.	Tanya Virmani	1522003	BSc(H) Chemistry 3rd	Tanya
2.	Ojal Awasthi	1522019	"	Ojal
3.	Vaishnavi Bidhuri	1522018	"	Vaish
4.	Sagar Negi	1522044	"	Sagar
5.	Rachit Tomar	1522011	"	Rachit
6.	Harsh Pahuja	1522080	"	Harsh
7.	Sneha Prajapati	1522056	"	Sneha
8.	Shrinidhi Singh	1522065	"	Shrinidhi
9.	Simran	1522076	"	Simran
10.	Shagun	1522082	"	Shagun
11.	Deepvijay	1522055	"	Deepvijay
12.	Aman Maurya	1522062	"	Aman
13.	Pooja Kumari	1522066	"	Pooja
14.	Nandini Pabreja	1522045	"	Nandini
15.	Ashish	1522069	"	Ashish
16.	Neelam	1522028	"	Neelam
17.	Tamanna	1522020	"	Tamanna
18.	Saurabh Pandey	1522017	"	Pandey
19	KHUSHI JASWAL	1522022	"	Khushi
20	ESHITA KAINTHOLA	1522052	"	Eshita
21	ANCHAL PANDEY	1522081	"	Anchal
22	Ankita	1522079	"	Ankita
23	Nitern	1522050	"	Nitern
24	Bhupendra	1522021	"	Bhupendra
25	Nancy	1522012	"	Nancy
26	Kanchan	1522009	"	Kanchan
27	Kamal Pandit	1522001	"	Kamal Pandit
28	Ritu Singh	1522004	"	Ritu
29	Chanchal	1522083	"	Chanchal
30	Akriti	1522075	"	Akriti

S.NO.	NAME OF THE STUDENT	ROLL NO. OF THE STUDENT	COURSE AND YEAR	SIGNATURE
31.	Swarna	1522088	BSC (H.) Chem 3rd	Swarna
32	Preeti Kumari	1522059	"	Preeti

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ATTENDANCE SHEET

TITLE OF THE EVENT: Hand On Workshop: Research Methodology for Chemists

DATE OF THE EVENT: *21st-22nd February, 2025*

NAME OF THE DEPARTMENT/ SOCIETY: Department of Chemistry

NAME OF THE CONVENOR: PROF. SANJAY KUMAR

Session Topic: Research and Publication Ethics - II

Resource Person: Dr. Murali Mohan Achari Kandali

S.NO.	NAME OF THE STUDENT	ROLL NO. OF THE STUDENT	COURSE AND YEAR	SIGNATURE
01	Nitish	1522050	Chem. 3rd	Nitish
02	Ankita	1522079	"	Ankita
03	Bhupendra	1522021	"	Bhupendra
04	Kanchan	1522009	"	Kanchan
05	Ritu Singh	1522004	"	Ritu Singh
06	Komal Pandit	1522001	"	Komal Pandit
07.	Nancy	1522012	"	Nancy
08	chanchal	1522083	"	Chanchal
09	Akriti	1522075	"	Akriti
10	Swarna	1522058	"	Swarna
11	Preeti Kumari	1522059	"	Preeti
12	Harsh	1522080	"	
13	Sagar	1522044	"	
14	Rachit	1522011	"	
15	Tanya	1522003	"	
16	Ojal	1522019	"	
17	Vaishnavi	1522018	"	
18	Sneha Prajapati	1522056.	"	Sneha
19	Shrinidhi Singh	1522065	"	Shrinidhi
20	Shagun	1522082	"	Shagun
21	Simran	1522076	"	Simran
22	Deepvijay	1522055	"	Deepvijay
23	Aman Maurya	1522062.	"	Aman
24	Pooja Kumari	1522066	"	Pooja
25.	Nandini Pabreja	1522045	"	Nandini
26.	Ashish	1522069	"	Ashish
27	Saurabh Pandey	1522617	"	
28	TAMANNA	1522020	"	
29	Neelam	1522028	"	

S.NO.	NAME OF THE STUDENT	ROLL NO. OF THE STUDENT	COURSE AND YEAR	SIGNATURE
30	KHUSHI JASWAL	1522022	Bsc chem (H)	
31	ESHITA KAINTHOLA	1522052	"	
32	Anchal Pandey	1522081	"	

GEO TAGGED PHOTOS



Welcome address of thye wrokshop by Convener Prof. Sanjay Kumar



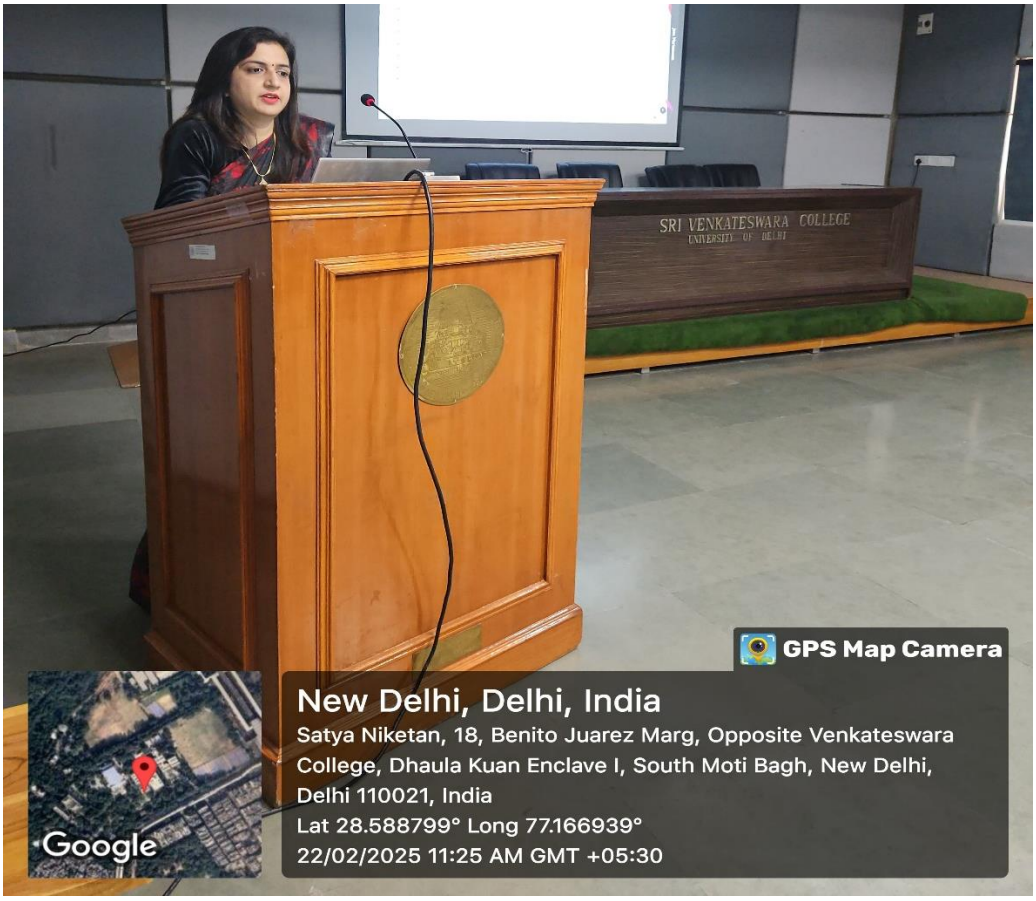
Group photo of Principal, Prof. V. Ravi, faculty members of Chemistry Department and student participants on Day 1 of the workshop after the Inaugural session.



Dr. Vinita Kapoor presenting an insightful introduction to the key stages in research



Dr. Laishram Saya Devi delivering a crucial session on scientific conduct, emphasizing on the importance of ethics in science and research.



Dr. Shikha Gulati conducting an informative session on Intellectual Property Rights (IPR), focusing on its significance in research and innovation.



Participants cheering for a Group photo after a fruitful completion of the hands-on workshop.

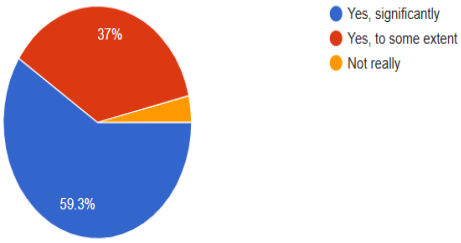


Group photo of Resource persons and participants after successful completion of the 2-days workshop

FEEDBACK FORM ANALYSIS

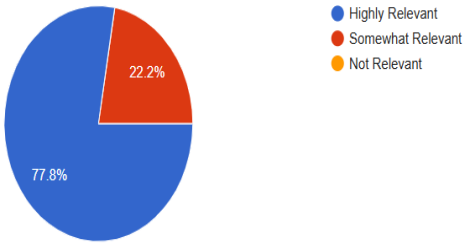
Did the workshop challenge your existing knowledge and encourage you to think critically?

27 responses



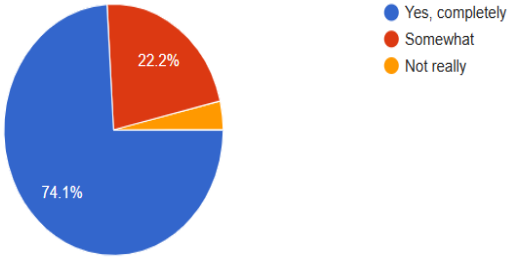
How relevant was the workshop content to your research needs?

27 responses



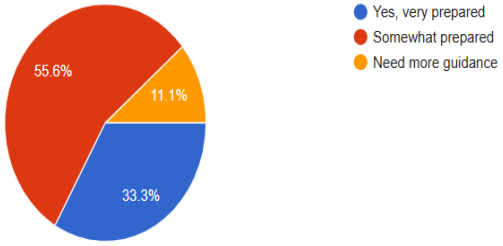
Were the objectives of the workshop clearly defined and successfully met?

27 responses



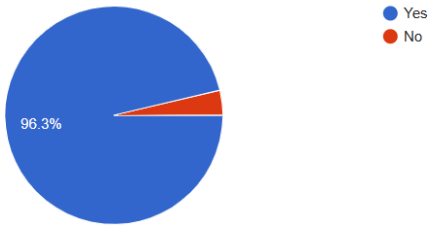
Do you feel more prepared to write research proposals or publish papers after attending this workshop?

27 responses



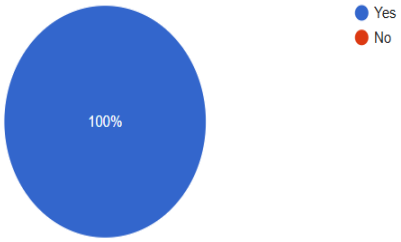
Did the workshop introduce new concepts, techniques, or perspectives that you found beneficial?

27 responses



Did the workshop provide a clear understanding of research methodologies?

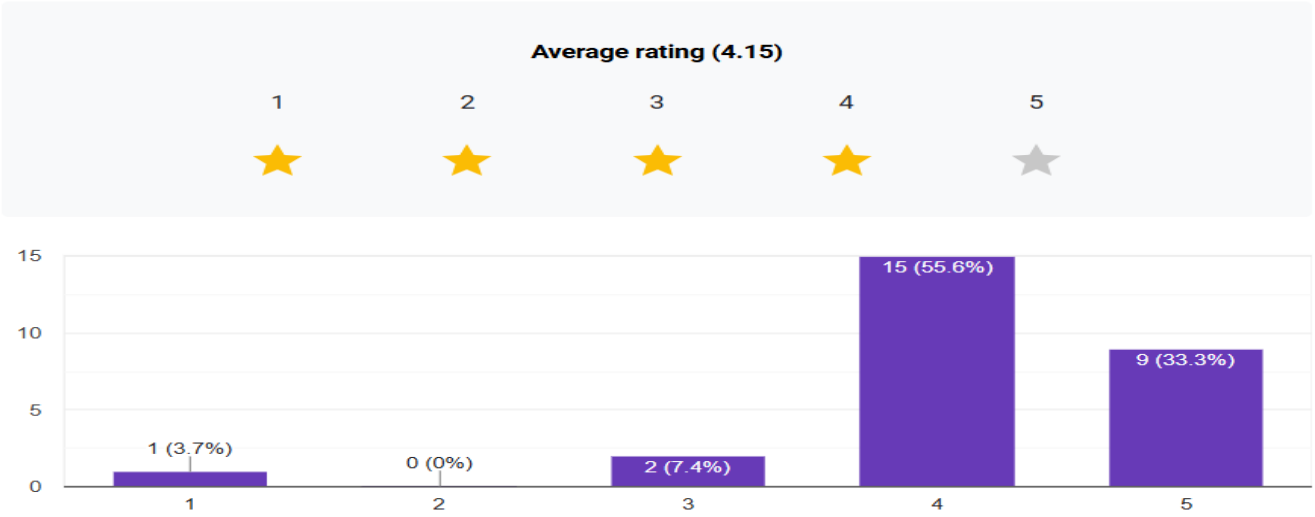
27 responses



How would you rate the overall quality of the workshop?

27 responses

Copy chart



INFORMATION BROCHURE / POSTER



PROGRAMME SCHEDULE

Department of Chemistry
Sri Venkateswara College, University of Delhi
Organises

Two-day's Hands-on Workshop

"RESEARCH METHODOLOGY FOR CHEMISTS"

Discipline Specific Elective DSE-13

For B.Sc. (H) Chemistry, Semester VI

On

21st-22nd February, 2025

WORKSHOP PROGRAM

Day 1: 21st Feb. 2025, Friday
Venue: Room no. 57
Session In-Charge: Dr. Harshvardhan Meena & Dr. T. Vasantha

SESSION NO.	TIME	TOPIC	RESOURCE PERSON
	9.30-10.00 AM	**INAUGURATION**	
1	**10.00-10.30 AM**	Overview of the Workshop Objectives & Learning Outcomes	**Prof. Sharda Pasricha**
2	**10.30-11.30 AM**	**Scope of Research** Introduction, overview of research process: define research problem, review literature, formulate hypothesis, design research/experiment, collect and analyse data, interpret and report, scope and importance **Hands-on:** 1.Experimental learning of safe storage hazardous chemicals 2.Experimental learning of handling of hazardous chemicals	**Dr. Vinita Kapoor**
3.	**11.30 AM-12.30 PM**	**Literature Survey and Databases Research metric I** Print: Sources of information: Primary, secondary, tertiary sources; Journals: Journal abbreviations, Digital: Databases and their responsible use: Google Scholar, Web of science, Scopus, UGC INFONET, SciFinder, PubMed, ResearchGate, E-consortium, e-books; Search techniques: Phrase, Field, Boolean, Proximity, Concept, Limiting/Refining Search Results. **Hands-on:** **1.** Collection of journal articles on a particular topic using Google Scholar and creating a database. 2. Collection of journal articles on a particular topic using Science Direct and creating a database. 3. Collection of journal articles on a particular topic using Scopus and creating a database.	**Dr. Shefali Shukla** **Dr. Pooja**
4.	**12.30-1.30 PM**	**Literature Survey and Databases Research metric II** Research metrics: Impact factor of Journal, h-index, i10 index, Altmetrics, Citation index. Author identifiers/or profiles: ORCID, Publons, Google Scholar, ResearchGate, VIDWAN **Hands-on:**	**Dr. Pragya Gahlot** **Dr. Rekha Yadav**
	1.30-2.00 PM	**Refreshment Break**	

Day 1: 21st Feb. 2025, Friday
Venue: Room no. 57
Session In-Charge: Dr. Vinita Kapoor & Dr. Murali Mohan Achari Kamsali

SESSION NO.	TIME	TOPIC	RESOURCE PERSON
5.	2.00-3.00 PM	**Communication in Science** Types of technical documents: Full length research paper, book chapters, reviews, short communication, project proposal, Letters to editor, and thesis. Thesis writing – different steps and software tools (Word processing, LaTeX, Chemdraw, Chemsketch etc) in the design and preparation of thesis, layout, structure (chapter plan) and language of typical reports, Illustrations and tables, bibliography, referencing: Styles (APA, Oxford etc), annotated bibliography **Hands-on:** 1.Drawing chemical structure, reactions and mechanisms using Chemsketch or ISIS draw or any other software. 2.Collection of chemical structure using ChemSpider and creating a database. 3.Technical writing on topics assigned.	**Dr. Chandrashekhar Tekuri** **Dr. Ramnath Janraj Naik**
6	3.00-4.00 PM	**Reference management using tools** Citation management tools: Mendeley, Zotero and Endnote; footnotes. Oral presentation/posters – planning, software tools, creating and making effective presentation, use of visual aids, importance of effective communication, electronic manuscript submission, effective oral scientific communication and presentation skills. **Hands-on:** Making of power point presentation	**Mr. Harshvardhan Meena** **Dr. T. Vasantha**
7	4.00-4.30 PM	**Assessment Quiz 1**	**Dr. Murali Mohan Achari Kamsali**

SAMPLE e-CERTIFICATE GIVEN TO PARTICIPANTS



SRI VENKATESWARA COLLEGE

UNIVERSITY OF DELHI , NAAC grade A+

DEPARTMENT OF CHEMISTRY

CERTIFICATE OF PARTICIPATION

This certificate is proudly presented to

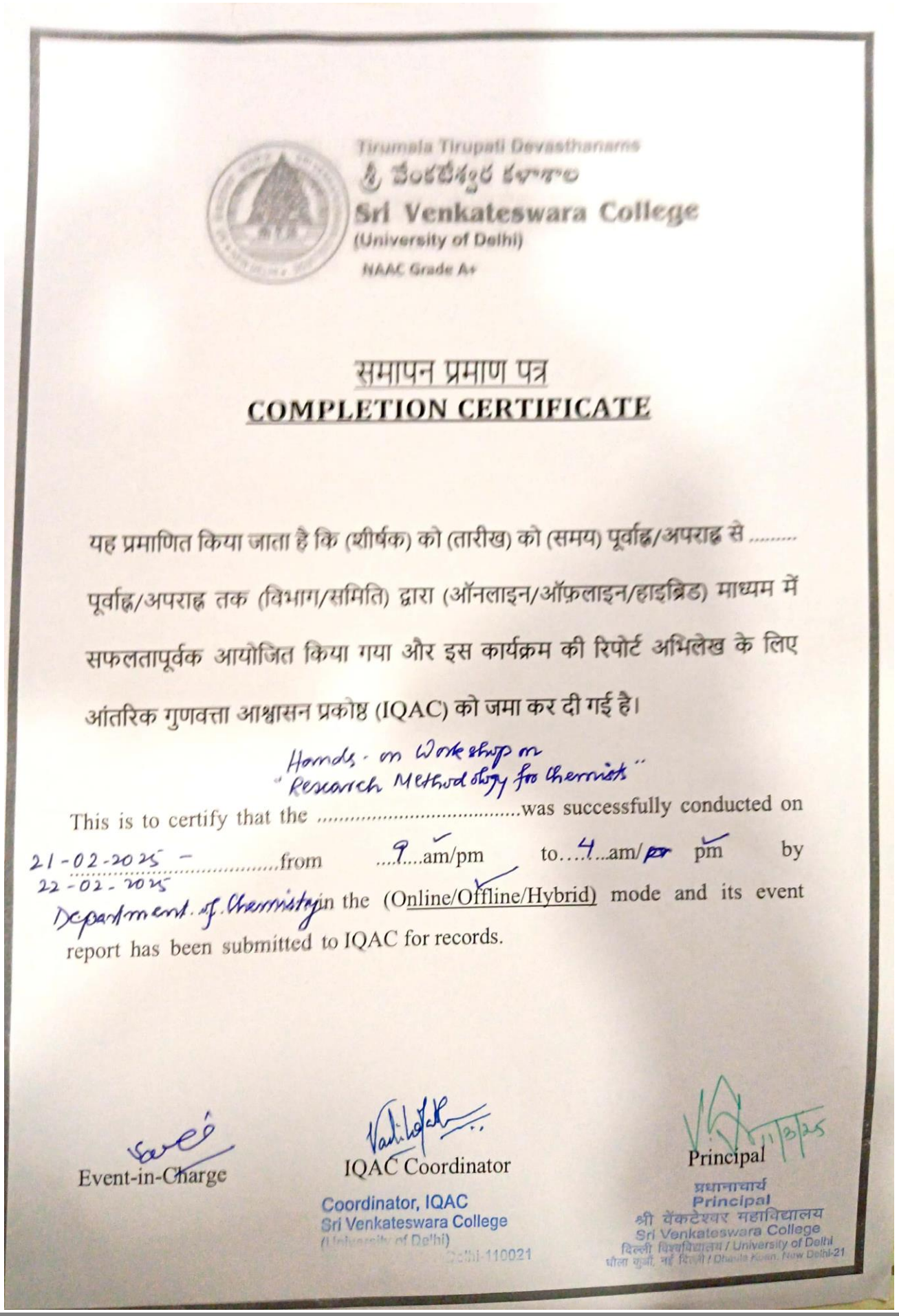
Ankita of *B.Sc. (H) Chemistry*

in recognition of his/her participation in the two-days Hands-on Workshop on "*Research Methodology for Chemists (DSE - 13)*" held on 21st-22nd February, 2025, organized by the Department of Chemistry, Sri Venkateswara College, University of Delhi.

Prof. Sanjay Kumar
Convener

Prof. Vajala Ravi
Principal

EVENT COMPLETION CERTIFICATE



Tirumala Tirupati Devasthanams
శ్రీ వేంకటేశ్వర కళాశాల
Sri Venkateswara College
(University of Delhi)
NAAC Grade A+

समापन प्रमाण पत्र
COMPLETION CERTIFICATE

यह प्रमाणित किया जाता है कि (शीर्षक) को (तारीख) को (समय) पूर्वाह्न/अपराह्न से ..... पूर्वाह्न/अपराह्न तक (विभाग/समिति) द्वारा (ऑनलाइन/ऑफ़लाइन/हाइब्रिड) माध्यम में सफलतापूर्वक आयोजित किया गया और इस कार्यक्रम की रिपोर्ट अभिलेख के लिए आंतरिक गुणवत्ता आश्वासन प्रकोष्ठ (IQAC) को जमा कर दी गई है।

"Hands-on Workshop on Research Methodology for Chemists"

This is to certify that the .....was successfully conducted on 21-02-2025 - 22-02-2025 .....from ....9....am/pm to....4...am/pm by Department of Chemistry in the (Online/Offline/Hybrid) mode and its event report has been submitted to IQAC for records.

Event-in-Charge

IQAC Coordinator

Coordinator, IQAC
Sri Venkateswara College
(University of Delhi)
Delhi-110021

Principal

प्रधानाचार्य
Principal
श्री वेंकटेश्वर महाविद्यालय
Sri Venkateswara College
दिल्ली विश्वविद्यालय / University of Delhi
धौला कुआँ, नई दिल्ली / Dhaula Kuan, New Delhi-21