



Tirumala Tirupati Devasthanams

శ్రీ వేంకటేశ్వర కళాశాల

Sri Venkateswara College

(University of Delhi)

NAAC Grade A+

**SRI VENKATESWARA COLLEGE
(UNIVERSITY OF DELHI)**

EVENT REPORT

NAME OF THE EVENT: International seminar on electrochemical sensors, energy, and sustainability: small devices with a big mission			
DATE	DEPARTMENT	COMMITTEE/SOCIETY	COORDINATORS' NAME
16-04-2025	Chemistry	The Chemical Society	Dr. Y.V. Manohara Reddy
TIME	VENUE	NUMBER OF PARTICIPANTS	NATURE: Outdoor/Indoor; online/offline/hybrid
10:00 am – 11:00 am	Seminar Hall	148	Offline
FINANCIAL SUPPORT/ASSISTANCE (if any):	Chemical Society Fund		

BRIEF INFORMATION ABOUT THE ACTIVITY

TOPIC/SUBJECT OF THE ACTIVITY	International seminar on electrochemical sensors, energy, and sustainability: small devices with a big mission
OBJECTIVES	<p>The objectives of seminar were as follows:</p> <ul style="list-style-type: none">• Exploring recent advancements in electrochemical sensors and their applications in environmental monitoring, healthcare, and energy systems.• Highlighting the role of sensor technology in achieving sustainability goals and supporting clean energy transitions.• Inspiring students to think creatively about how small, low-cost sensor devices can solve big real-world problems.• Encouraging students to think about environmental impact and sustainability in every aspect of scientific innovation.
METHODOLOGY	Prof. Itthipon Jeerapan, a renowned expert in electrochemical sensors and sustainable energy technologies, set the tone for the

	seminar with his keynote address, sharing his pioneering work on wearable biosensors and miniaturized energy devices. His presentation provided a strong foundation for the seminar's core themes and inspired deeper engagement from participants. He emphasized the importance of interdisciplinary collaboration and the role of next-generation sensor technologies in addressing global health and environmental challenges. Prof. Jeerapan's insights not only showcased the potential of innovative materials and smart devices but also encouraged students to think critically about sustainable solutions for the future.
INVITED SPEAKERS WITH AFFLIATION DETAILS (IF ANY)	Prof. Itthipon Jeerapan M.S. & Ph.D. (University of California, San Diego, USA) Division of Physical Science, Prince of Songkla University, Thailand
OUTCOMES	The seminar proved to be a highly enriching academic experience, fostering a comprehensive understanding of the advancements and applications of electrochemical sensors in the context of energy and sustainability. Prof. Itthipon Jeerapan's keynote address made a lasting impression, shedding light on the real-world applications of wearable biosensors and compact energy solutions. The seminar significantly benefited students by broadening their understanding of cutting-edge developments in electrochemical sensors, energy solutions, and sustainability.

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 and e-certificate for participants

Departmental file no: SVC/CHEMISTRY/2024-25/April 2025/07

IQAC File No: SVC/IQAC/CHEMISTRY/2024-25/ April 2025

Criterion No: II, 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

Rasagya, The Chemical Society of Sri Venkateswara College, successfully organized an **International Seminar** on the topic “**Electrochemical Sensors, Energy, and Sustainability: Small Devices with a Big Mission**” on 16th April 2025. The seminar was held in the college seminar hall and witnessed enthusiastic participation from students and faculty members.

The session commenced with a traditional Saraswati Vandana and ceremonial lamp lighting, marking the auspicious beginning of an intellectually stimulating event. The gathering was warmly addressed by **Prof. V. Ravi**, Principal of Sri Venkateswara College, who emphasized the importance of cutting-edge research and interdisciplinary learning in shaping the future of science. A token of appreciation was offered to the guest as a gesture of gratitude and academic recognition.

The keynote speaker for the session was the esteemed **Prof. Itthipon Jeerapan**, M.S. & Ph.D. (University of California, San Diego, USA), currently serving in the Division of Physical Science at Prince of Songkla University, Thailand. Prof. Jeerapan delivered a highly engaging and insightful lecture centered on the innovations and practical applications of electrochemical sensors within the broader contexts of sustainable energy and environmental monitoring.

His presentation emphasized the transformative potential of small, portable devices and their ability to create a significant impact when applied to health diagnostics, pollution control, and energy storage systems. He elaborated on how the convergence of advanced materials and miniaturized technologies is opening new frontiers in science and sustainability.

The seminar further explored recent advancements in the design and fabrication of low-cost, efficient, and eco-friendly electrochemical sensors, highlighting their potential to revolutionize fields such as biomedical sciences, environmental analysis, and renewable energy solutions. Prof. Jeerapan also addressed the current challenges and future opportunities associated with integrating these technologies into modern systems to support global sustainability goals.

The session concluded with an interactive Q&A segment, where students and faculty actively engaged with the speaker. Thought-provoking questions and discussions emerged, offering participants valuable insights into future research directions, interdisciplinary collaborations, and career pathways in the evolving landscape of chemical and sustainable technologies. The seminar was an inspiring academic initiative that offered valuable insights into the intersection of chemistry, technology, and sustainability. It not only broadened the scientific horizons of the attendees but also sparked curiosity and motivation among budding chemists to explore impactful research avenues.

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

- Name of the Department/Society/Association: ... Chemistry... Chemical Society
- Name of the TIC and/or Convener: Prof./Dr./Mr./Ms... prof... Sanjay Kumar
- Proposed Title of the Event: ... Learnable... Biosensors
- Nature of Event: Seminar/Conference/Symposium/Workshop/FDP/Public or Community outreach/ Skill enhancement/others (Please specify) ... Seminar
- Participants: Student-centric /Faculty/ Other stakeholders (Please specify)... Both Faculty & Student cent
- Event Type: Offline/Online/Hybrid; Indoor/Outdoor
- Collaborating Agency /Organization (If any):
- Tentative List of Speakers with affiliations:
... prof... Jeerapan... prince... of... Songkla... University
... Thailand
.....
..... 16.04.2025
- Date & Time (from - to): 16-04-2025 to 16-04-2025 (10:00am - 11:00am)
- Financial Assistance/ Funding received (if any) (Please specify amount): ... Chemical Society
- Proposed Budget (please attach details in a separate enclosure): 2000 Rs

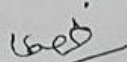
12. Faculty responsible for Geo Tagged Pictures Dr. Y. V. Reddy.....

13. Faculty responsible for Event Report Dr. Shikha Gulati.....

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

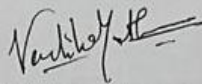
15. Caretaker support required (tables, chairs, public addressing system, sanitation, manpower assistance)

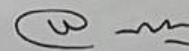
16. Venue requirement (Seminar hall/ Ground/others) Seminar Hall.....


TIC/Convenor
Date: 9/4/25

For official purpose

Comments (If any)
Criteria 2, 5


IQAC Coordinator
Date: 9/4/25


Principal
Date:

LIST OF PARTICIPANTS

(Students)



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NAAC Grade A+

ATTENDANCE SHEET

TITLE OF THE EVENT: *International Seminar*

DATE OF THE EVENT: *16-04-25*

NAME OF THE DEPARTMENT/ SOCIETY: *CHEMISTRY*

NAME OF THE CONVENOR: *Prof. Sanjay Kumar*

S.NO.	NAME OF THE STUDENT	ROLL NO. OF STUDENT	COURSE & YEAR	SIGNATURE
1	Harsh Dhenul	1524079	BSc Chem (H) 2025	<i>[Signature]</i>
2	Gaurav	1524059	BSc (Hons) chemis	<i>[Signature]</i>
3	Money Prabhakar	1524077	BSc (Chem/Sing) Hon	<i>[Signature]</i>
4	Yashvardhan Singh	1524089	BSc Chemis (Hons)	<i>[Signature]</i>
5	Sonam Meera	1524021	BSc CHEMISTRY HONS.	<i>[Signature]</i>
6	Lakshya	1524028	BSc (H) Chemisty	<i>[Signature]</i>
7	Muskan	1524017	BSc (H) Chem	<i>[Signature]</i>
8	Smriti Rai	1524071	BSc (H) Chem	<i>[Signature]</i>
9	Kusum Lata Singh	1524063	BSc (H) Chem	<i>[Signature]</i>
10	Bhavya	1524050	BSc (H) chem	<i>[Signature]</i>
11	K. Divya	1524054	BSc (H) chem	<i>[Signature]</i>
12	Siya	1524061	BSc (H) chem	<i>[Signature]</i>
13	Geetajali	1524065	BSc (H) chem	<i>[Signature]</i>
14	Prayanshi sharma	1524069	BSc (H) chem	<i>[Signature]</i>
15	Keshav Sharma	1524001	BSc (H) Chem	<i>[Signature]</i>
16	Aakash Sha	1524005	BSc (H) Chem	<i>[Signature]</i>
17	Manpreet Singh Heer	1524003	BSc (H) Chem	<i>[Signature]</i>
18	Anshul Rishi	1524053	B.Sc (H) chem	<i>[Signature]</i>
19	Saksham Singh	1524064	B.Sc (H) Chem	<i>[Signature]</i>
20	Himanshu	1524073	B.Sc (H) Chem	<i>[Signature]</i>
21	Pranjal Sharma	1524022	B.Sc (H) Chem	<i>[Signature]</i>
22	Rashi Saini	1524040	B.Sc (H) Chem	<i>[Signature]</i>
23	Rashi Maheshwari	1524057	B.Sc (H) Chem	<i>[Signature]</i>
24	Simran Sharma	1524055	B.Sc (H) Chem	<i>[Signature]</i>
25	Tanisha	1524032	BSc (H) Chem	<i>[Signature]</i>
26	Vishu Aggarwal	1524039	BSc (H) Chem	<i>[Signature]</i>
27	Tamanna	1524048	BSc (H) Chem	<i>[Signature]</i>
28	Payal	1524011	BSc (H) Chem	<i>[Signature]</i>
29	Raman Singh	1524010	BSc (H) Chem	<i>[Signature]</i>
30	Ritika Kumari Khosla	1524012	BSc (H) Chemistry	<i>[Signature]</i>
31	Ishita	1524046	BSc (H) Chem	<i>[Signature]</i>
32	Tannu	1524007	BSc (H) Chem	<i>[Signature]</i>
33	Prashansa Yadav	1524037	BSc (H) Chem	<i>[Signature]</i>
34	Payal	1524011	BSc (H) Chem	<i>[Signature]</i>
35	Simran	1524045	BSc (H) Chem	<i>[Signature]</i>



ATTENDANCE SHEET

TITLE OF THE EVENT: Seminar (International)

DATE OF THE EVENT: 16-04-25

NAME OF THE DEPARTMENT/ SOCIETY: Chemistry

NAME OF THE CONVENOR: Prof. Sanjay Kumar

S.NO.	NAME OF THE STUDENT	ROLL NO. OF STUDENT	COURSE&YEAR	SIGNATURE
1	Babli kumari	1524014	B.Sc chemistry (H)	Babli
2	Swapna Krupa	1524056	Bsc. Chem (H)	Swapna
3	Nisha	1524072	BSC chem	Nisha
4	Mahenoor	1524067	"	Mahenoor
5	Sakshi	1524088	B.S.c chemistry (H)	Sakshi
6	Salvi Singh	1524086	BSC Chemistry	Salvi
7	Garvika	1124098	BSc (H) Chem	Garvika
8	Shivangi Arora	1122003	B.Sc Upe Sci III	Shivangi
9	Himanshu Rai	1524078	B.Sc. Chemistry (H)	Himanshu Rai
10	Manthan Kabir	1524060	BSc (Hons) Chemistry	Manthan
11	Lav Prasad	1524080	BSc (Hons) Chemistry	Lav Prasad
12	S.Kamran Vajphei	1524026	BSc (Hons) Chemistry	S.Kamran
13	Devanshu Kumar	1524086	BSc (H) Chem	Devanshu
14	Hariom Tiwari	1524010	BSc (H) Chem	Hariom
15	Aditya Dooj	1524035	"	Aditya
16	Shivam Kumar	1524043	BSc (Chemistry) (H)	Shivam
17	Nitish Kumar	1524022	BSc (H) Chem	Nitish
18	Priyanshu Ranjan	1524042	BSC (H) chemist	Priyanshu
19	Ashish	15240	"	Ashish
20	Ashish	1524006	"	Ashish
21	Abhijeet Verma	1524019	BSc (H) chemistry	Abhijeet
22	Amandeep Singh	1524042	BSC (H) chemistry	Amandeep
23	Ankit Sharma	1524034	BSC (H) chem	Ankit
24	Vinod Mishra	1524033	BSC (H) Chem	Vinod
25	Ayushi Mishra	1524044	BSC (H) Chem	Ayushi
26	Shivam Taiswal	1524050	Bsc (H) Chem	Shivam
27	TAMANNA (TCH)	1522020	BSC (H) Chem	Tamanna
28	KANCHAN	1522009	"	Kanchan
29	NEELAM	1522028	"	Neelam
30	SAURABH PANDEY	1522017	"	Saurabh
31	Ritu	1522004	"	Ritu
32	Ronal	1522001	"	Ronal
33	NANCY	1522012	"	Nancy
34	Dhruv Tiwari	1524068	BSc (H) Chem	Dhruv
35	Piyush Yadav	1124162	BSc Chem	Piyush Yadav



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ATTENDANCE SHEET

TITLE OF THE EVENT: *International Seminar*

DATE OF THE EVENT: *16-04-25*

NAME OF THE DEPARTMENT/SOCIETY: *Chemistry*

NAME OF THE CONVENOR: *Prof. Sanjay Kumar*

S.NO.	NAME OF THE STUDENT	ROLL NO. OF STUDENT	COURSE&YEAR	SIGNATURE
	Opal Awasthi	1522019	BSc (H) chem 3rd	Opal
	Tanya Virmani	1522003	4 2nd	Tanya
	Pratika	1523039	4 2nd	Pratika
	Bhumiika	1523076	4 3rd	Bhumiika
	Ranait	1522011	4 3rd	Ranait
	Sagar	1522044	4	Sagar
	Himanshu	1522080	4	Himanshu
	Vaishnavi	1522018	4	Vaishnavi
	Aditya	1524075	BSc (H) Chem I st	Aditya
	Sakshi	1524083	BSc (H) Chem I st	Sakshi
	Snicha Dubey	1524038	BSc "	Snicha
	Heena	1524087	BSc (H) chem 1st	Heena
	Kanhaiya Sharma	1104051	B.Sc (P) Life Science	Kanhaiya
	Nitin Sagar	1124031	" "	Nitin
	Shiva Yadav	1124113	" "	Shiva
	Divya Gill	1124119	" "	Divya
	Malika	1124135	" "	Malika
	Vaishu Singh	1124136	" "	Vaishu
	Ronak Anand	1124148	" "	Ronak
	Akash Kumar	1124117	" "	Akash
	Sulekha	1124177	" "	Sulekha
	Shikha Tiwari	1123059	B.Sc (P) Life Sci.	Shikha
	Gayathri Vs	1123017	" "	Gayathri
	Shreeta	1123025	BSc (P) life sci	Shreeta
	Dimple Banwala	1123022	" "	Dimple
	Stanish Tondkar	1123016	" "	Stanish
	Vivek Tardave	1124147	BSc (P) life	Vivek
	Sadhna Kumari	1124166	BSc (P) life sci	Sadhna
	Saniya Mehra	1124161	BSc (P) life sci	Saniya
	Kajal Kumari	1124151	BSc (P) life science 2 nd	Kajal
	Sweeti Kumari	1124145	BSc life sci 1 st	Sweeti
	Satekshi Singh	1124132	BSc life science	Satekshi
	Vanshita	1124144	BSc life science	Vanshita
	Simran	1124111	BSc life science	Simran
	Anushka Yadav	1124164	B.Sc life science	Anushka

GEO TAGGED PHOTOS



Principal Prof. V. Ravi presenting a memento to the guest speaker, Prof. Itthipon Jeerapan as a token of appreciation.



Prof. Sanjay Kumar extended a warm welcome to all attendees during his opening address at the International Seminar.



Principal Prof. V. Ravi graciously inaugurated the International Seminar with a warm and insightful welcome address.



With great enthusiasm, Dr. Neelam introduced the speaker, offering a brief yet impactful overview of their work and expertise.



New Delhi, Delhi, India

H5q8+npj, Dhaula Kuan Enclave I, Dhaula Kuan, New Delhi, Delhi
110021, India
Lat 28.588812° Long 77.166726°
16/04/2025 11:13 AM GMT +05:30

Prof. Jeerapan delivered an engaging lecture on innovations and applications of electrochemical sensors in sustainable energy and environmental monitoring.



New Delhi, Delhi, India

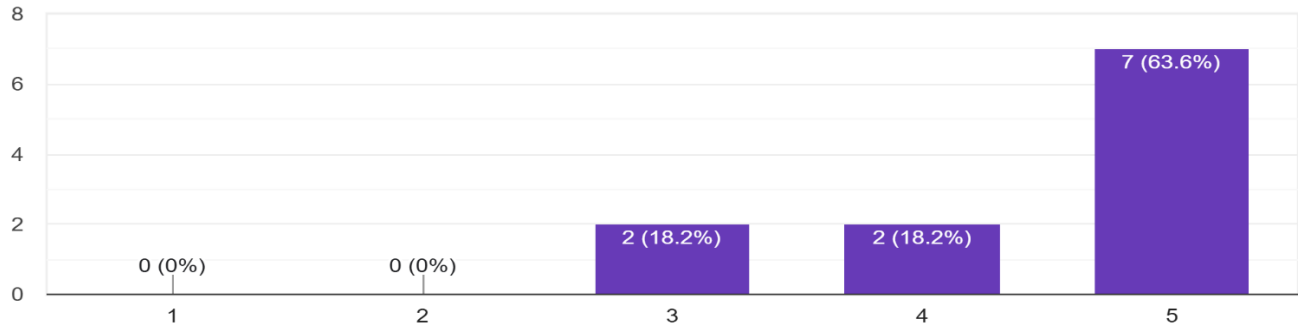
Satya Niketan, 18, Benito Juarez Marg, Opposite Venkateswara
College, Dhaula Kuan Enclave I, South Moti Bagh, New Delhi, Delhi
110021, India
Lat 28.58868° Long 77.166712°
16/04/2025 10:36 AM GMT +05:30

Attendees were enriched by Prof. Jeerapan's engaging discussion on sensor technology for energy and environmental solutions.

FEEDBACK FORM ANALYSIS

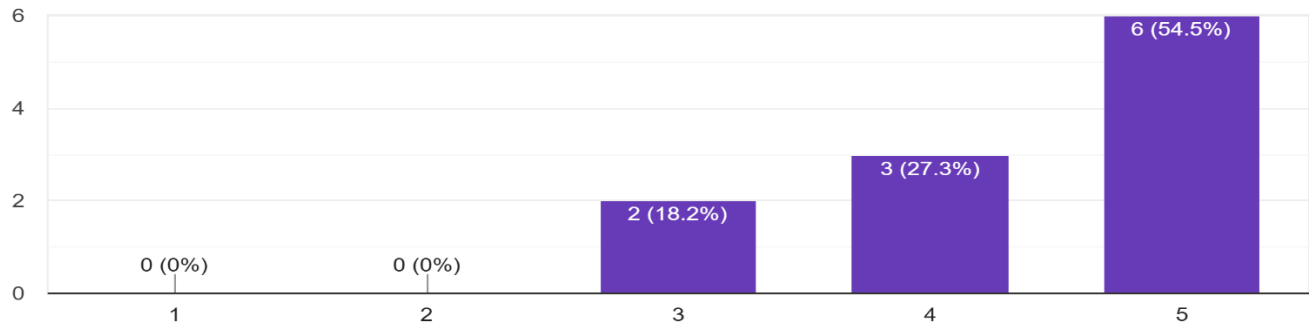
How did you find the overall seminar experience?

11 responses



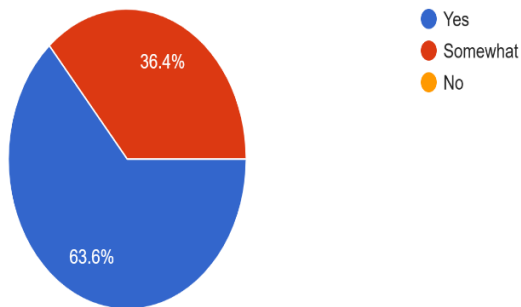
How would you rate the speakers' knowledge and delivery?

11 responses



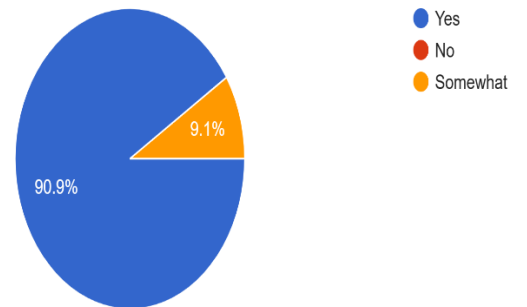
Was the seminar content relevant to your field or interests?

11 responses



Was the seminar well-organized and managed?

11 responses



INFORMATION BROCHURE / POSTER



Rasagya: The Chemical Society

DEPARTMENT OF CHEMISTRY
SRI VENKATESWARA COLLEGE



presents

INTERNATIONAL SEMINAR

on

ELECTROCHEMICAL SENSORS, ENERGY, AND SUSTAINABILITY: SMALL DEVICES WITH A BIG MISSION



Speaker:

**Prof. Itthipon
Jeerapan**

M.S. & Ph.D. (University of California, San Diego, USA)
Division of Physical Science,
Prince of Songkla University, Thailand



📅 16 April 2025

🕒 10:00 AM

📍 SEMINAR HALL

REGISTER NOW!!!

Event Coordinator
Dr. Y. V. Manohara Reddy

TIC & Convenor
Prof. Sanjay Kumar

Principal
Prof. Vajala Ravi

Dr Mercykutty Jacob
Dr. T. Vasantha
Dr. Murali Mohan Achari
Dr. Laishram Saya Devi

Organizing Committee

Dr. Vibha Saxena
Mr. Harshvardhan Meena
Dr. Shikha Gulati

Dr. Sella Ramanaiah
Dr. Neelam Kumari
Dr. Pooja
Dr. Ravindra Kumar Upadhyay

For further queries contact: Nitesh(President): 9794622760

EVENT COMPLETION CERTIFICATE



Tirumala Tirupati Devasthanams

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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।

Information Seminar on
"Electrochemical sensors, energy, Sustainability : Smart
This is to certify that the *devices with a Big* was successfully conducted on
Reason
16-04-2025 from *10* am/pm to *12* am/ pm by
Rasagya, Chemical Society,
..... in the (Online/Offline/Hybrid) mode and its event
(Chemistry Department)
report has been submitted to IQAC for records.


Event-in-Charge


IQAC Coordinator


Principal