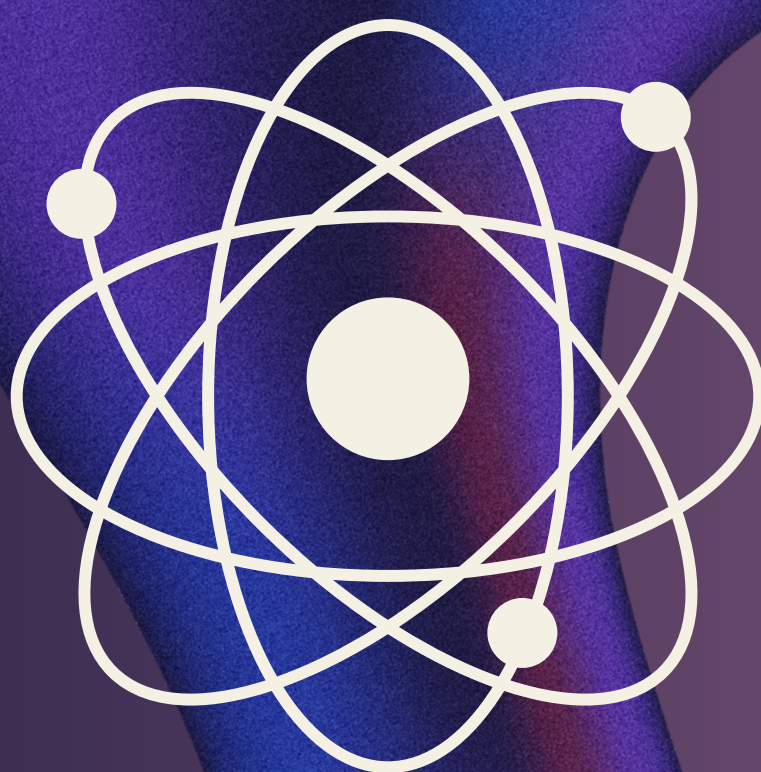




# SCIENCE CONCLAVE 2024



7 February 2024 - 8 February 2024

REGISTRATION LINK: [SCIENCE CONCLAVE.ASPX](https://scienceconclave.aspx)

Registration ends : 5 February, 2024





## MESSAGE FROM THE VICE-CHANCELLOR

I AM PLEASED TO EXTEND A WARM INVITATION TO ALL FACULTY MEMBERS, RESEARCHERS, AND STUDENTS TO PARTICIPATE IN THE SECOND EDITION OF THE UPCOMING SCIENCE CONCLAVE 2024. AS THE VICE-CHANCELLOR OF CHAUDHARY RANBIR SINGH UNIVERSITY, JIND, I AM DELIGHTED TO WITNESS AND CELEBRATE OUR SCIENCE DEPARTMENTS' EXCEPTIONAL GROWTH AND DEVELOPMENT.

THE SCIENCE CONCLAVE IS A PRESTIGIOUS EVENT THAT BRINGS TOGETHER MINDS FROM VARIOUS DISCIPLINES TO EXPLORE THE FRONTIERS OF SCIENTIFIC KNOWLEDGE AND FOSTER INTERDISCIPLINARY COLLABORATIONS. THIS YEAR'S CONCLAVE PROMISES TO BE AN EXCITING PLATFORM FOR EXCHANGING IDEAS, PRESENTING GROUNDBREAKING RESEARCH, AND ENGAGING IN INSIGHTFUL DISCUSSIONS. THE UNIVERSITY'S COMMITMENT TO FOSTERING A CONDUCTIVE ENVIRONMENT FOR SCIENTIFIC RESEARCH AND EDUCATION HAS SEEN OUR SCIENCE DEPARTMENTS FLOURISH.

AT CHAUDHARY RANBIR SINGH UNIVERSITY, WE UNDERSTAND THE PIVOTAL ROLE OF SCIENCE IN SHAPING THE FUTURE. OUR VISION IS NOT ONLY TO IMPART KNOWLEDGE BUT TO INSTILL A PROFOUND SCIENTIFIC TEMPER IN OUR STUDENTS. WE AIM TO CULTIVATE INQUISITIVE MINDS, NURTURE CRITICAL THINKING, AND INSPIRE A PASSION FOR SCIENTIFIC INQUIRY. THROUGH A MULTIDISCIPLINARY APPROACH, WE STRIVE TO INTEGRATE SCIENTIFIC PRINCIPLES INTO EVERY FACET OF OUR STUDENTS' ACADEMIC JOURNEY. WE AIM TO MAKE THE UNIVERSITY A HUB OF SCIENTIFIC EXCELLENCE. THE SCIENCE CONCLAVE IS A TESTAMENT TO OUR COMMITMENT TO PROMOTING SCIENTIFIC AWARENESS, CURIOSITY, AND EXPLORATION.

I AM CONFIDENT THAT THE SCIENCE CONCLAVE WILL CATALYZE NEW IDEAS, COLLABORATIONS, AND DISCOVERIES. LET US COME TOGETHER AS A COMMUNITY TO CELEBRATE THE SPIRIT OF SCIENTIFIC INQUIRY AND INNOVATION.



## MESSAGE FROM REGISTRAR

IT IS BOTH A PRIVILEGE AND A JOY TO EXTEND A WARM WELCOME TO ALL OF YOU AT THE SCIENCE CONCLAVE ORGANIZED BY THE DEPARTMENT OF CHEMISTRY AT CHAUDHARY RANBIR SINGH UNIVERSITY, JIND, ON FEBRUARY 7TH AND 8TH, 2024. THIS SIGNIFICANT GATHERING, GENEROUSLY SPONSORED BY THE HARYANA STATE HIGHER EDUCATION COUNCIL, STANDS AS A TESTAMENT TO OUR COMMITMENT TO FOSTERING SCIENTIFIC EXPLORATION AND COLLABORATION.

IN THE SPIRIT OF SCIENTIFIC INQUIRY, I ENCOURAGE SCHOLARS, RESEARCHERS, AND STUDENTS TO ACTIVELY PARTICIPATE IN THIS CONCLAVE. LET US CULTIVATE AN ATMOSPHERE OF VIBRANT INTELLECTUAL EXCHANGE, WHERE IDEAS FLOURISH, AND COLLABORATIONS TAKE ROOT. THIS EVENT IS MORE THAN A MEETING OF MINDS; IT IS A CELEBRATION OF THE BOUNDLESS CURIOSITY AND INNOVATION THAT DEFINE THE SCIENTIFIC ENDEAVOR.

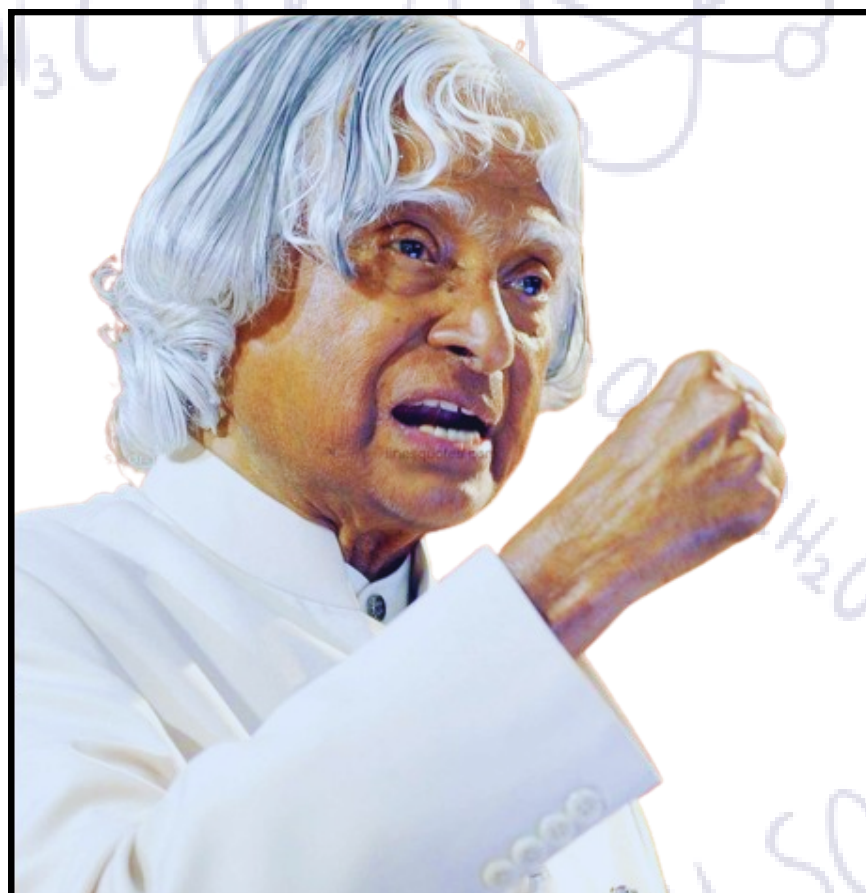
AS WE DELVE INTO DISCUSSIONS, PRESENTATIONS, AND INTERACTIVE SESSIONS, MAY THIS CONCLAVE IGNITE THE FLAME OF INSPIRATION WITHIN EACH OF YOU. MAY IT PAVE THE WAY FOR BREAKTHROUGHS THAT NOT ONLY ADVANCE OUR UNDERSTANDING OF THE WORLD BUT ALSO CONTRIBUTE TO THE BETTERMENT OF SOCIETY.

WISHING YOU ALL A TRULY ENRICHING AND FRUITFUL EXPERIENCE AT THIS ESTEEMED GATHERING.



## ABOUT CHAUDHARY RANBIR SINGH UNIVERSITY

ESTABLISHED BY THE STATE LEGISLATURE ACT 28 OF 2014 ON JULY 24, 2014 CRSU HAS A SPRAWLING CAMPUS OF 75 ACRES SITUATED 2 KILOMETRES FROM GOHANA BYPASS, JIND. THE UNIVERSITY WAS ESTABLISHED WITH THE VISION OF IMPARTING QUALITY EDUCATION BY CREATING MOST CONDUCTIVE AMBIENCE FOR THE PRODUCTION AND DISSEMINATION OF KNOWLEDGE GUIDED BY INNOVATIVE THINKING, SCIENTIFIC ENQUIRY, SUBLIME HUMAN VALUES, SUSTAINABLE ECOLOGY, AND DEMOCRATIC ETHOS. THE AIM OF THE UNIVERSITY IS THE CULTIVATION OF CITIZENS WITH A RICH AWARENESS OF OUR HERITAGE TO LEAD AND SERVE IN EVERY SPHERE OF HUMAN ACTIVITY.



*"Look at the sky. We are not alone. The whole universe is friendly to us and conspires only to give the best to those who dream and work."* -  
**APJ Abdul Kalam**





## ABOUT HARYANA STATE COUNCIL FOR SCIENCE, INNOVATION & TECHNOLOGY

HARYANA STATE COUNCIL FOR SCIENCE INNOVATION & TECHNOLOGY (HSCSIT) IS AN AUTONOMOUS BODY, A REGISTERED SOCIETY, UNDER THE SOCIETIES REGISTRATION ACT, 1860. THE COUNCIL WAS CONSTITUTED TO ADVISE THE STATE GOVT. ON POLICIES AND MEASURES FOR PROMOTING SCIENCE & TECHNOLOGY (S&T) IN THE STATE AND TO IMPLEMENT THE POLICIES & PLANS OF THE STATE GOVT. MORE EFFECTIVELY AND TO UTILIZE THE FUNDS RECEIVED FROM VARIOUS CENTRAL & STATE GOVT. AGENCIES.

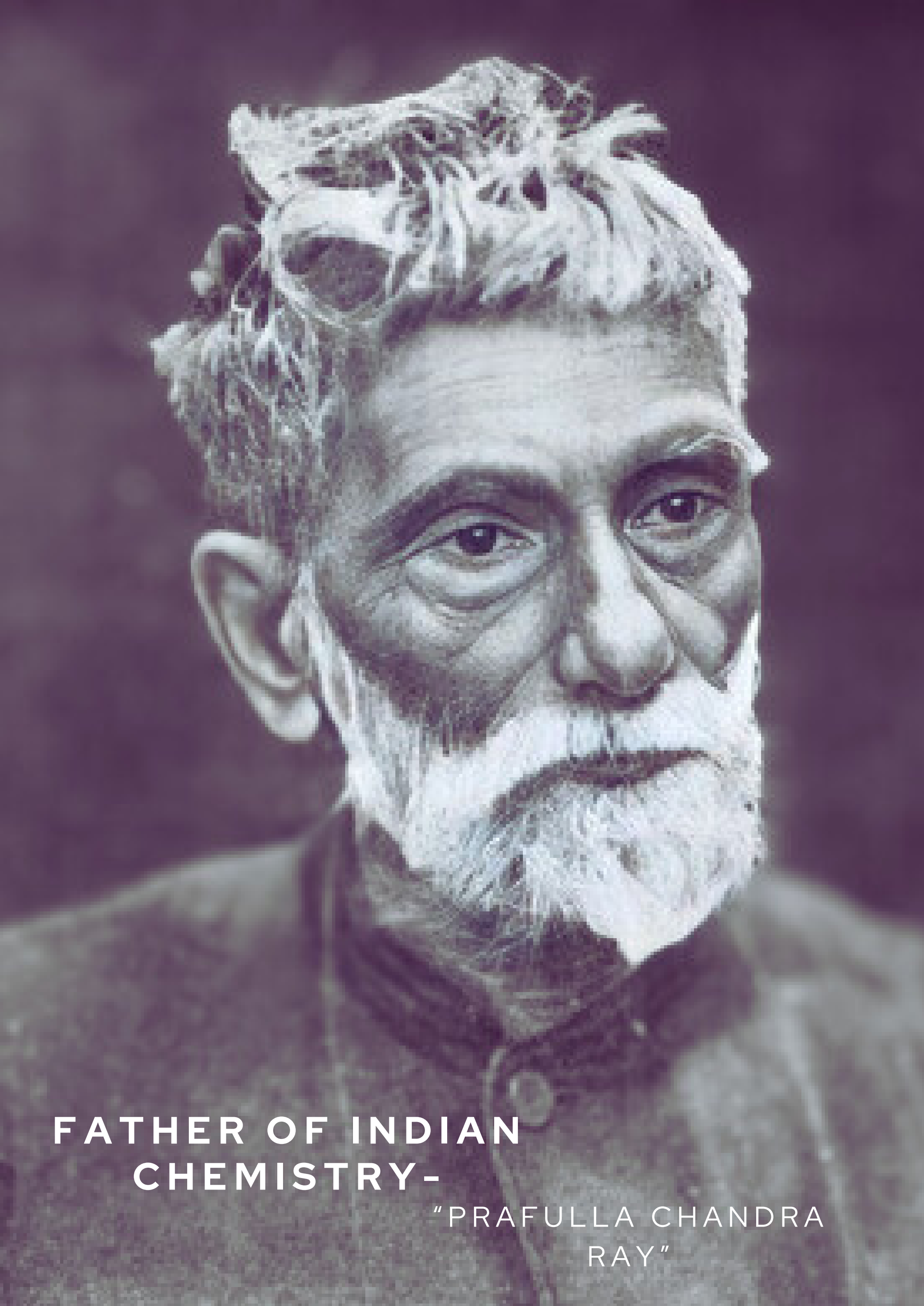


## ABOUT DEPARTMENT OF CHEMISTRY

THE DEPARTMENT OF CHEMISTRY WAS ESTABLISHED IN THE YEAR 2018 WITH A COMMITMENT TO BUILD A SUPREME FOUNDATION BY MENTORING STUDENTS AS RESPONSIBLE CITIZEN AND PROFESSIONALS, BY EDUCATING THEM IN ALL THE ASPECTS THROUGH PROPER CURRICULA. AT PRESENT, THE DEPARTMENT IS OFFERING POST GRADUATE COURSE IN CHEMISTRY (TWO YEAR PROGRAM) WITH AN INTAKE CAPACITY OF 60 STUDENTS & UNDERGRADUATE PROGRAMME IN HONORS CHEMISTRY (FOUR YEAR PROGRAM) AS PER NEP 2020 WITH AN INTAKE CAPACITY OF 30 STUDENTS. THE DEPARTMENT HAS STATE OF THE ART LABORATORIES FOR CONDUCTING PRACTICAL. THE FACULTIES OF THE DEPARTMENT ARE ACTIVELY INVOLVED IN PURSUING RESEARCH AND PUBLISHING THEIR RESEARCH IN ACADEMIC JOURNALS OF REPUTE.







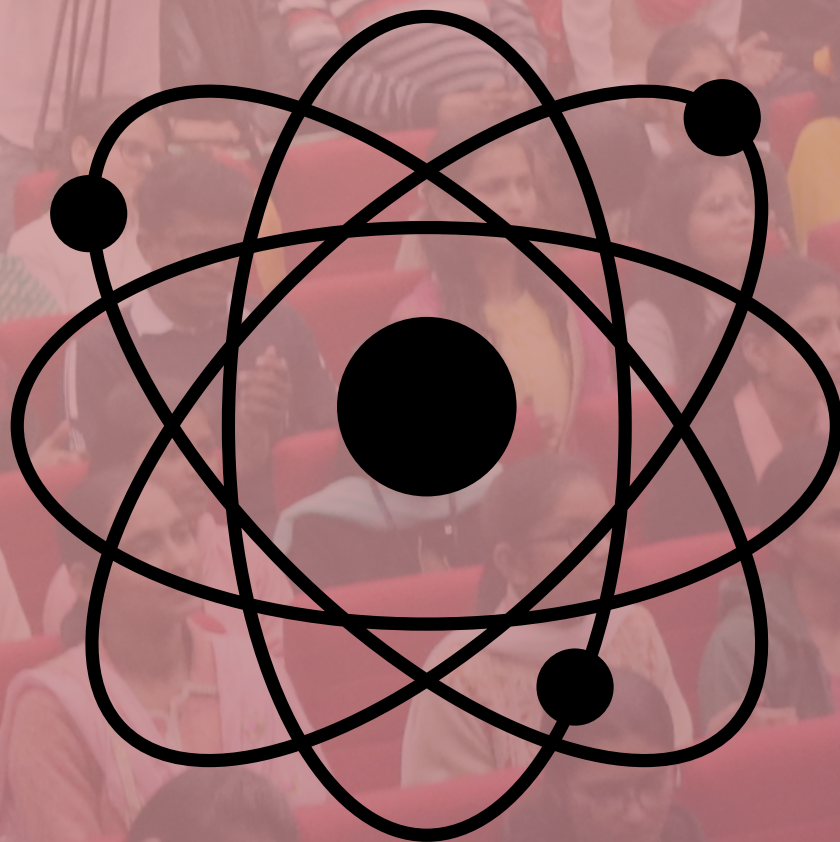
**FATHER OF INDIAN  
CHEMISTRY-**

**"PRAFULLA CHANDRA  
RAY"**



# ABOUT SCIENCE CONCLAVE

CHAUDHARY RANBIR SINGH UNIVERSITY, JIND PROPOSES TO ORGANIZE A TWO-DAY SCIENCE CONCLAVE "विज्ञान समरस" IN COLLABORATION WITH HARYANA STATE COUNCIL FOR SCIENCE, INNOVATION & TECHNOLOGY (HARYANA) UNDER THE SCHEME 'ORGANIZATION OF SCIENCE CONCLAVE' AT THE C. R. S. UNIVERSITY CAMPUS, JIND (126102). THE PURPOSE OF CONCLAVE IS TO PROVIDE AN OPPORTUNITY FOR THE STUDENTS, TEACHER & OTHER ACADEMIA OF HARYANA TO INTERACT WITH EMINENT SCIENTIST OF INDIA, SO THAT THEY CAN GET MOTIVATED FROM THE LIVE INTERACTIONS WITH THE INVITED SCIENTIST & FOLLOW THE FOOT-STEPS OF EMINENT SCIENTISTS OF INDIA. CONCLAVE CONSISTS OF A SERIES OF LECTURES FOLLOWED BY IMPLEMENTATION OF SKILLS LEARNED IN REAL-WORLD PROBLEMS.



## SCIENCE CONCLAVE

**"CURIOSITY UNLEASHES  
DISCOVERY"**



# OBJECTIVES OF SCIENCE CONCLAVE

THE PRIMARY OBJECTIVE OF THE SCIENCE CONCLAVE IS TO INSPIRE AND ENCOURAGE SCIENTIFIC CURIOSITY AMONG STUDENTS, FOSTER A PASSION FOR RESEARCH, AND PROMOTE INTERDISCIPLINARY LEARNING.

## INTEGRATE THE STUDENTS ON A SINGLE PLATFORM

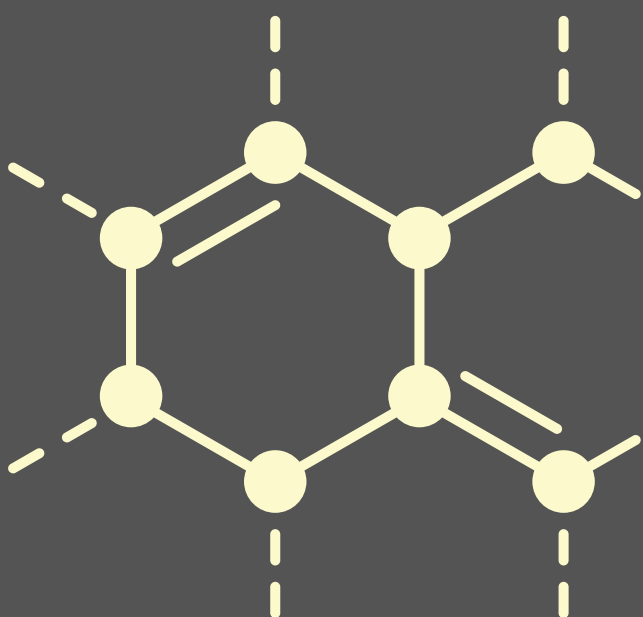
SCIENCE CONCLAVE CREATES OPPORTUNITIES AND A COMMON PLATFORM FOR BRINGING TOGETHER THE INNOVATIVE YOUNG MINDS FROM VARIOUS EDUCATIONAL LEVELS (I.E. SCHOOL, COLLEGE, AND UNIVERSITY STUDENTS) TO INTERACT, COLLABORATE, AND LEARN FROM ONE ANOTHER.

## FOSTER SCIENTIFIC INQUIRY

PROVIDE STUDENTS WITH AN OPPORTUNITY TO EXPLORE DIVERSE SCIENTIFIC DISCIPLINES, ENGAGE IN SCIENTIFIC DISCUSSIONS, AND DEVELOP A DEEPER UNDERSTANDING OF VARIOUS RESEARCH AREAS.

## SHOWCASE STUDENT RESEARCH

ALLOW STUDENTS TO PRESENT THEIR RESEARCH PROJECTS, EXPERIMENTS, AND INNOVATIVE IDEAS THROUGH ORAL PRESENTATIONS OR POSTER SESSIONS, ENCOURAGING SCIENTIFIC EXCHANGE AND FEEDBACK FROM PEERS AND EXPERTS





# EVENTS

1.

KEYNOTE SPEECHES BY  
EMINENT SPEAKERS

2.

SCIENCE EXHIBITION  
AND  
DEMONSTRATIONS

3.

RESEARCH PAPER  
(ORAL PRESENTATION)

4.

RESEARCH PAPER  
(POSTER PRESENTATION)

5.

INTERACTIVE SESSION  
WITH SCIENTISTS

6.

CAREER GUIDANCE  
SESSIONS

7.

START-UP IDEA  
COMPETITION

8.

QUIZ COMPETITION

9.

SCIENCE ESSAY  
WRITING COMPETITION

10

POSTER MAKING  
COMPETITION

11.

PANEL/GROUP  
DISCUSSION

# EVENTS

12.

DOCUMENTARIES AND SHORT  
VIDEOS BASED ON SCIENCE

13.

INDUSTRIAL  
PRODUCT SHOWCASE

14.

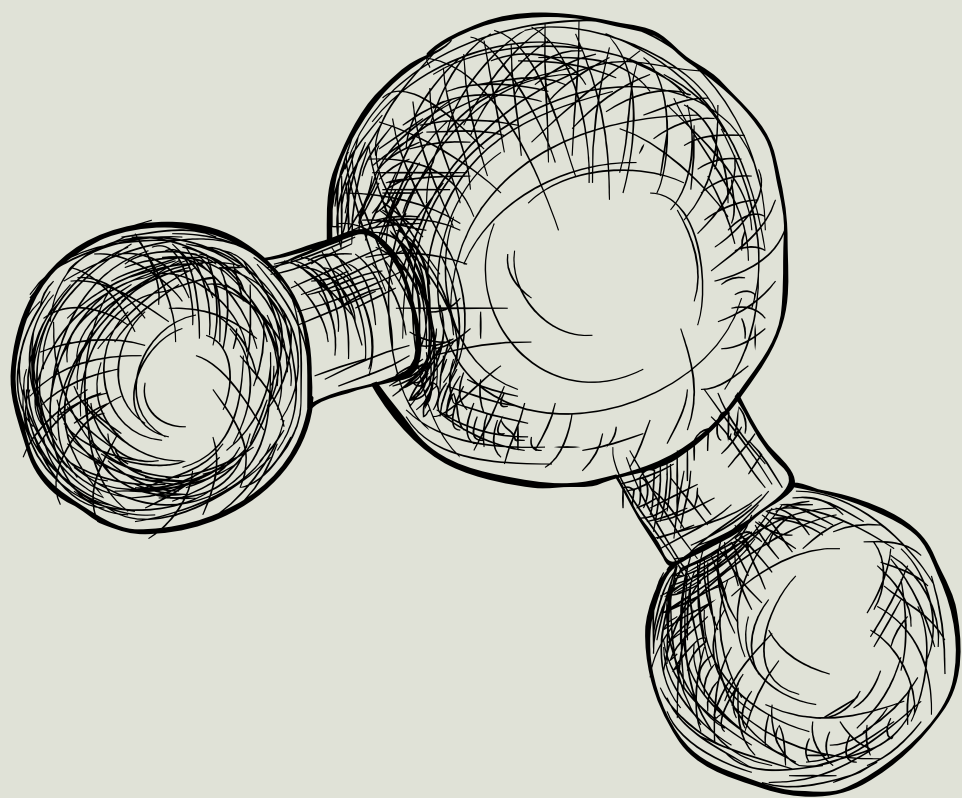
COLLEGES/UNIVERSITY  
TEACHING DEPARTMENT  
SHOWCASE

15.

MOBILE SCIENCE  
EXHIBITION(MSE)

16.

VISIT &  
PARTICIPATION



"I WOULD LIKE TO TELL THE YOUNG MEN AND  
WOMEN BEFORE ME NOT TO LOSE HOPE AND  
COURAGE. SUCCESS CAN ONLY COME TO  
YOU BY COURAGEOUS DEVOTION TO THE  
TASK LYING IN FRONT OF YOU."

-C.V.RAMAN



# EVENT SCHEDULE

## DAY 1 (FEBRUARY 07, 2024 )

Registration & Refreshment	09:00 am - 10:00 am
Inaugural Session & Keynote Speeches By The Eminent Speakers	10:00 am - 11:30 am
Rangoli competition	09:00 am - 10:00 am
Inauguration of event of Science Exhibitions and Demonstrations	10:00 am - 05:30 pm
Industry stall exhibition	10:00 am - 05:30 pm
UTD/college stall exhibition	10:00 am - 05:30 pm
Mobile science exhibition by Kurukshetra panorama and science centre	10:00 am - 05:30 pm
Poster making competition	12:00 am - 01:30 pm
Lunch	01:30 pm - 02:30 pm
Quiz Competition	02:30 pm - 03:30 pm
Group Discussion/ Panel Discussions	03:30 pm - 04:30 pm
Documentaries and short videos based on science	04:30 pm - 05:30 pm

"THE GREATEST ENEMY OF KNOWLEDGE IS NOT IGNORANCE, IT IS THE ILLUSION OF KNOWLEDGE." - STEPHEN HAWKING

# EVENT SCHEDULE

## DAY 2 (FEBRUARY 08, 2024 )

Registration and Refreshment	09:00 am- 10:00am
Keynote Speeches By The Eminent Speakers	10:00 am -11:30pm
Science Exhibitions andDemonstrations	10:00 am - 04:30pm
Mobile science exhibition by Kurukshetra panorama and science centre	10:00 am - 04:30pm
Industry stall exhibition	10:00 am - 04:30pm
UTD/college stall exhibition	10:00 am - 04:30pm
Start-Up Idea competition	11:30 am - 12:30pm
Poster Presentation/ Oral Presentation	11:30 am - 12:30pm
Science Essay writing Competition	12:30 pm - 01:30pm
Lunch	01:30 pm - 02:30pm
Interactive Sessions with Scientists	02:30 pm - 03:30pm
Career Guidance Sessions	03:30 pm - 04: 30pm
Valedictory session	04:30 pm- 05:30pm

**“EVERYTHING IS THEORITICALLY IMPOSSIBLE  
UNTIL IT IS DONE.”**

**ROBER A. HEINLEIN**



## KEYNOTE SPEECHES BY THE EMINENT SPEAKERS

Inviting renowned scientists and researchers to deliver keynote speeches is a valuable activity. These speeches can inspire participants, provide insights into cutting-edge research, and highlight the significance of scientific advancements.



“जितना मन से पवित्र रहोगे  
उतना ही भगवान के करीब  
रहोगे,  
क्योंकि सदैव पवित्रता में ही  
भगवान का वास होता है..!”



## Interactive Sessions with Scientists

Arranging interactive sessions where participants can directly engage with scientists and researchers is highly beneficial. These sessions can include Que/Ans sessions, round table discussions, or informal networking opportunities. Participants can seek advice, clarify doubts, and learn from the experiences of accomplished professionals. Such interactions nurture curiosity, inspire the next generation of scientists, and promote mentorship.

## SCIENCE EXHIBITIONS AND DEMONSTRATIONS

SETTING UP SCIENTIFIC EXHIBITIONS AND DEMONSTRATIONS DURING THE CONCLAVE ALLOWS PARTICIPANTS TO WITNESS THE REAL-WORLD APPLICATIONS OF SCIENTIFIC CONCEPTS AND TECHNOLOGIES. EXHIBITIONS SHOWCASES RESEARCH PROJECTS, INNOVATIVE PRODUCTS, AND ADVANCEMENTS IN DIFFERENT SCIENTIFIC FIELDS. PARTICIPANTS CAN ENGAGE WITH EXHIBITS, ASK QUESTIONS, AND GAIN A DEEPER UNDERSTANDING OF THE WAY SCIENCE IMPACTS THE SOCIETY. EXHIBITION WILL REMAIN OPEN FOR TWO DAYS FOR ALL THE STUDENTS. THE PRIZES WILL BE GIVEN TO FIRST, SECOND AND THIRD MODEL IN BOTH THE CATEGORY VIZ. SCIENCE AND TECHNOLOGY. SCIENCE EXHIBITION WILL BE OPEN FOR THE PUBLIC.

### THEMES FOR SCIENCE EXHIBITION

SUSTAINABLE AND GREEN  
CHEMISTRY  
HEALTH AND WELLNESS  
SPACE EXPLORATION  
STEM EDUCATION  
BIODIVERSITY AND CONSERVATION  
INNOVATIONS IN AGRICULTURE  
SMART CITIES AND URBAN PLANNING  
CYBERSECURITY AND DATA PRIVACY  
MATERIALS SCIENCE AND  
ENGINEERING  
RENEWABLE ENERGY  
GENERATION/CONVERSION

### RULES FOR PARTICIPANTS

- The Scientific Model must be based on the given theme only.
- Maximum of three participants are allowed to present a single Scientific Model.
- Name/Class/School/Colleges etc. should not be mentioned in the Scientific Model.
- Students have to present their scientific model within 5-7 minutes to the judges.
- No Financial support will be provided by the University for the Preparation of the Scientific Model.
- No hazardous material should be used for the making of the model.
- The number given to scientific model must be displayed in front of the table assigned to the participant.



"AN EQUATION FOR ME HAS NO MEANING, UNLESS IT EXPRESSES A  
THOUGHT OF GOD."

**-SRINIVASA RAMANUJAN**



## Oral/Poster Presentations:

Allocating time for students, researchers/scholar to present their work through oral presentations or poster sessions is crucial. This activity allows participants to share their research findings, methodologies, and scientific discoveries. It fosters scientific discussions, promotes knowledge exchange, and provides opportunities for collaboration and feedback among participants.

**The Oral Presentation competition will be organized in two phases**

**1st Phase:** students of schools will give their oral presentation on the specified scientific theme

**2nd Phase:** students of Graduation, Post Graduation and researchers will give their oral presentation on the specified scientific theme

### Rules for Poster/Oral Presentation

- Poster/Oral presentation must be based on the concerned theme only.
- The recommended poster size is 48 inches wide by 36 inches tall.
- The duration of oral presentation will be of 10 minutes only.
- The poster board number assigned to the poster must be placed in the upper left-hand corner of the display. A poster board number cut-out will be provided and must be visible at all times.
- Be sure to include the abstract title, author and co-author names, and the institution(s) where research is underway.
- Place your e-mail address, phone, and fax numbers in the upper right-hand corner of the poster board.
- The designated poster presenter (author or co-author) must be present at the assigned space during the designated time to discuss the work presented.
- Abstract : Maximum words 250

## Tips for Poster Preparation

- Posters should stimulate discussion, not give a long presentation. Therefore, keep text to a minimum, emphasize graphics, and make sure every item included in your poster is necessary.
- Utilize handouts to supplement your poster.
- Goal: 20% text, 40% graphics, 40% space.
- Make sure ideas flow logically from one section to the next.
- Use charts and graphs to illustrate data (avoid large tables of raw data).
- Use high resolution photographs (web images often will not work).
- Do not use all capital letters.
- The use of type-written, hand-written or a printed Power Point TM presentation as a poster is unacceptable. Presentations in these formats will be removed.

### Themes for Poster/Oral Presentation

Participants can prepare a poster on their Research Topic/Review article

#### Sub Groups

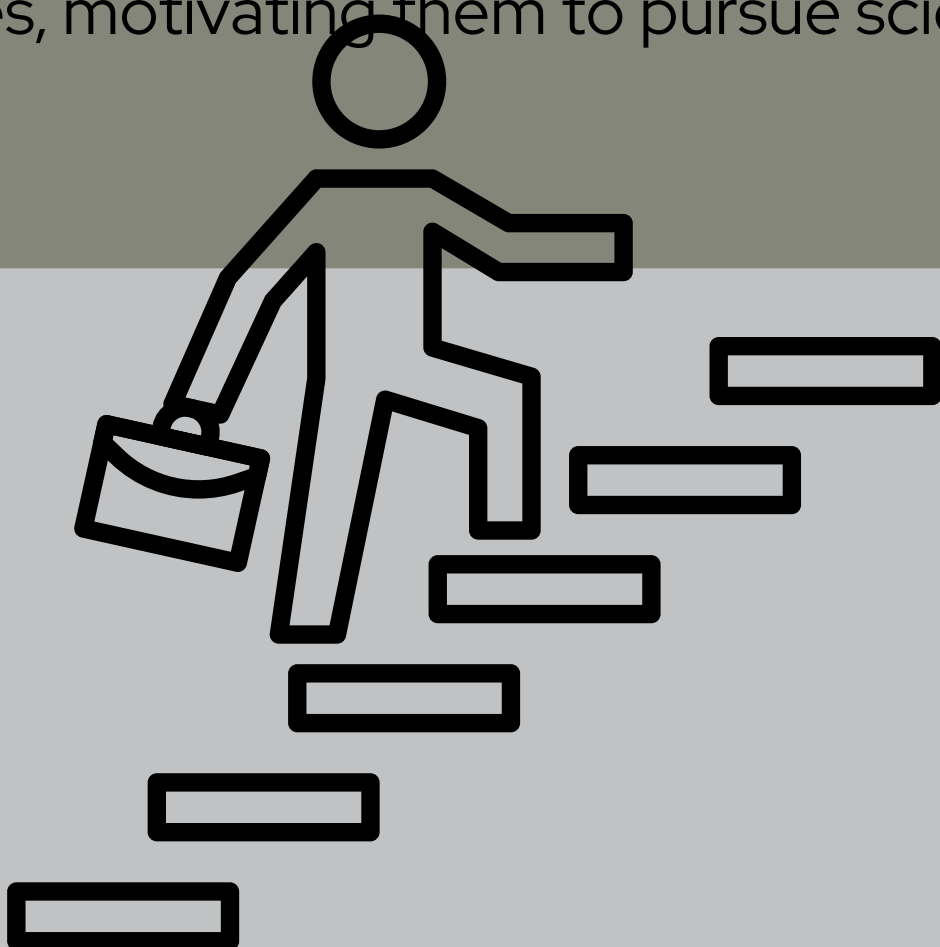
**Group 1:** 9th to 12th

**Group 2:** UG/PG/Scholars



## Career Guidance Sessions

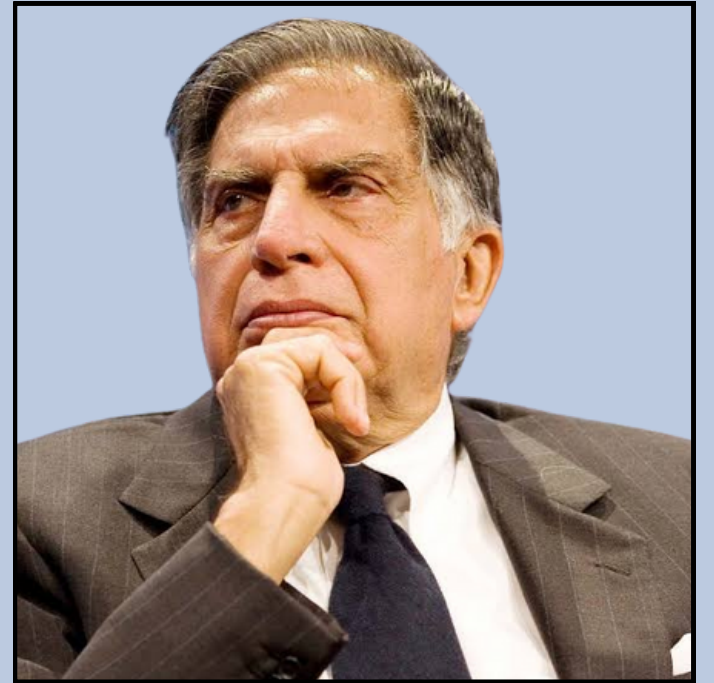
Providing sessions focused on career guidance and mentorship is beneficial, particularly for students. These sessions can feature professionals from various scientific fields, sharing their career journeys, insights into different career paths, and advice on skill development. Career guidance sessions help participants make informed decisions about their educational and professional choices, motivating them to pursue scientific careers.





## Mobile Science Exhibition (MSE)

Mobile Science Exhibition has been the first service of The Kurukshetra Panorama & Science Centre, Kurukshetra (KPSC, KKR) to reach to people in remote areas, particularly to the students. Especially designed bus, with 24 exhibits has been put into the service.



Ups and downs in life are very important to keep us going because a straight line even in an ECG means we are not alive."

**-Ratan Tata**

## Start-Up Idea competition/exhibition at graduate and post graduate levels

Organizing a Start-Up idea competition/exhibition at the graduate and post-graduate levels can be an excellent initiative to foster entrepreneurship, innovation, and creativity among students. This event would provide a platform for students to showcase their entrepreneurial ideas, receive feedback, gain exposure, and potentially attract investors.

### Sub Groups

#### Group 1 :

9th to 12th

#### Group 2 :

UG/PG(Post-Graduate)

## Rules for start up idea

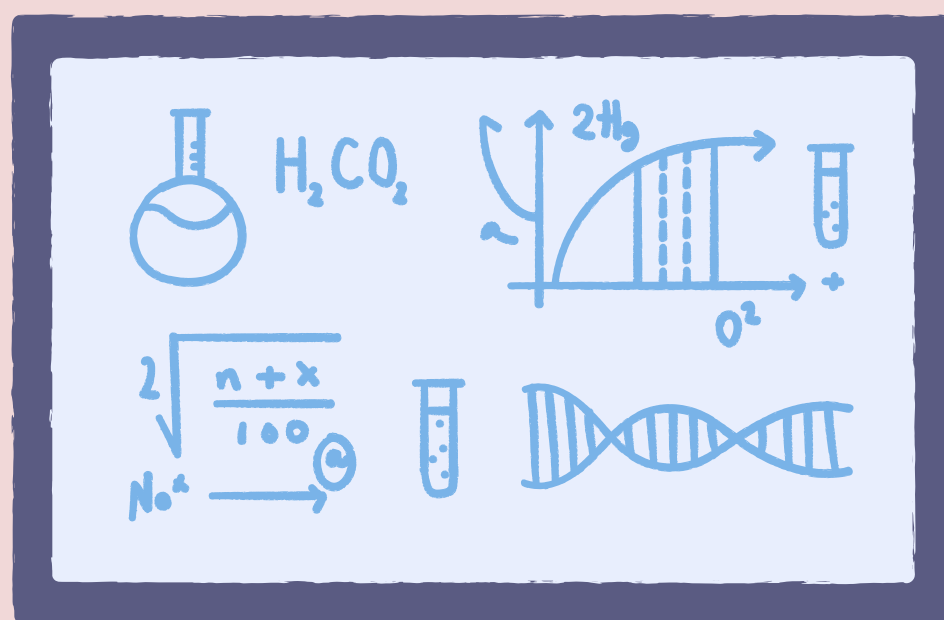
- Participants in a Team: less than equal to 4
- Participants should respect intellectual property rights and avoid presenting ideas that infringe on existing patents or copyrights.
- No hazardous material should be used for the making of the model.
- The candidates should prepare a presentation about the start up idea such as pitch decks, business plans, and present prototypes if needed.
- No Financial support will be provided by the University for the preparation of the proto type.
- The duration of start up pitch will be 20 minutes at maximum.

## Quiz Competition

Organizing quiz competitions aims to inculcate in the minds of young students a spirit of scientific inquiry and analytical thinking, to provide a platform to the budding scientists for exchanging thoughts and to nurture a feeling of national integration among young talents from every corner of the State

### Rules for Quiz Competition:

- Participants in a Team: 3
- The medium of the questions will be only English.
- There will be screening round if number of teams are more than 8.
- On the average score derives from all the rounds, winners will be declared.
- There will be certain time span for each round.
- If there is any tie up among the participants about average score, it will be solved by taking another round or set of rounds.
- All the rights related with the competition are reserved to Organizers of Science Conclave 2023-24.
- Rules and Regulations can be change on time which will depend upon circumstances and number of Entries.



### Sub Groups

**Group 1 :** 9th to 12th

**Group 2 :** UG



## Science Essay writing Competition

It makes the students practical, methodical, rational, and realistic. Scientific training is essential for a real and full treatment of any subject. Without a scientific approach, no justice today can be done to any branch of learning. It is the scientific method which makes as objective and impartial.

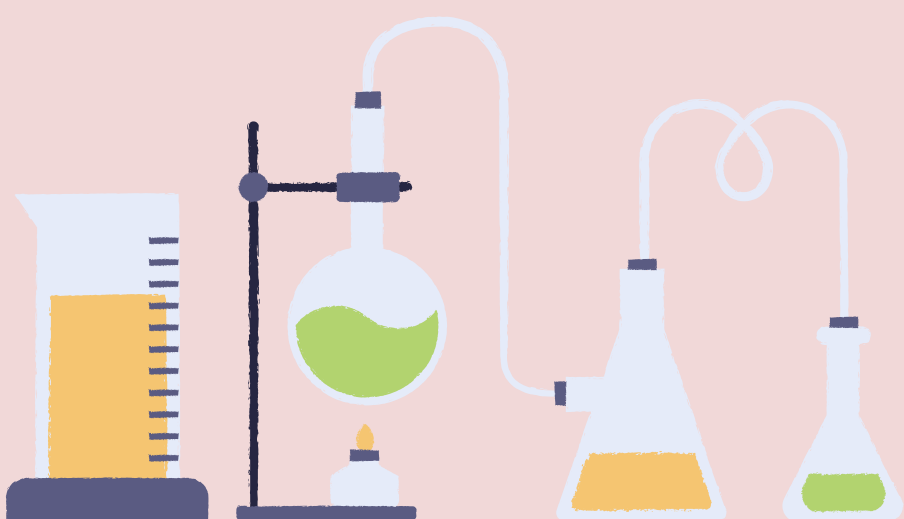
### Themes for Science Essay Writing Competition

- The Role of Artificial Intelligence in Shaping the Future of Healthcare
- Exploring Sustainable Solutions for Urban Development
- Harnessing Renewable Energy: A Roadmap to a Sustainable Future
- Clean Water for All: Solutions to Global Water Scarcity
- Space Exploration: New Frontiers and Collaborative Ventures.
- The Impact of Climate Change on Ecosystems: Mitigation and Adaptation Strategies
- Smart Cities and the Internet of Things (IoT): Enhancing Urban Living
- Impact of overpopulation on the environment
- Role of science in modern warfare

**Sub Groups**  
**Group 1 :** 9th to 12th  
**Group 2 :** UG/PG(Post-Graduate)

#### Rules for Participants:

Science Essay must be based on concerned theme only.  
Duration: 1 hr Word Limit: 700-1000. Pen Color: blue or black only



## Poster Making Competition

A poster making competition is a creative event where participants design visually compelling posters based on a given theme. It encourages artistic expression, effective communication, and often raises awareness on social issues. Participants showcase their design skills, conveying a message through imagery and text. Winners are typically chosen based on creativity, relevance to the theme, and overall visual impact.

### Themes for Poster Making Competition

- Exploring the Microscopic World
- Journey to the Stars
- The Power of Science
- Eco-Friendly Innovations
- Innovations in Health and Medicine
- The Quantum World
- Tech for Tomorrow
- Data Revolution
- Sustainable Agriculture
- Beyond the Genome
- Renewable Energy Revolution
- Future of Transportation
- Sustainable Energy storage and conversion

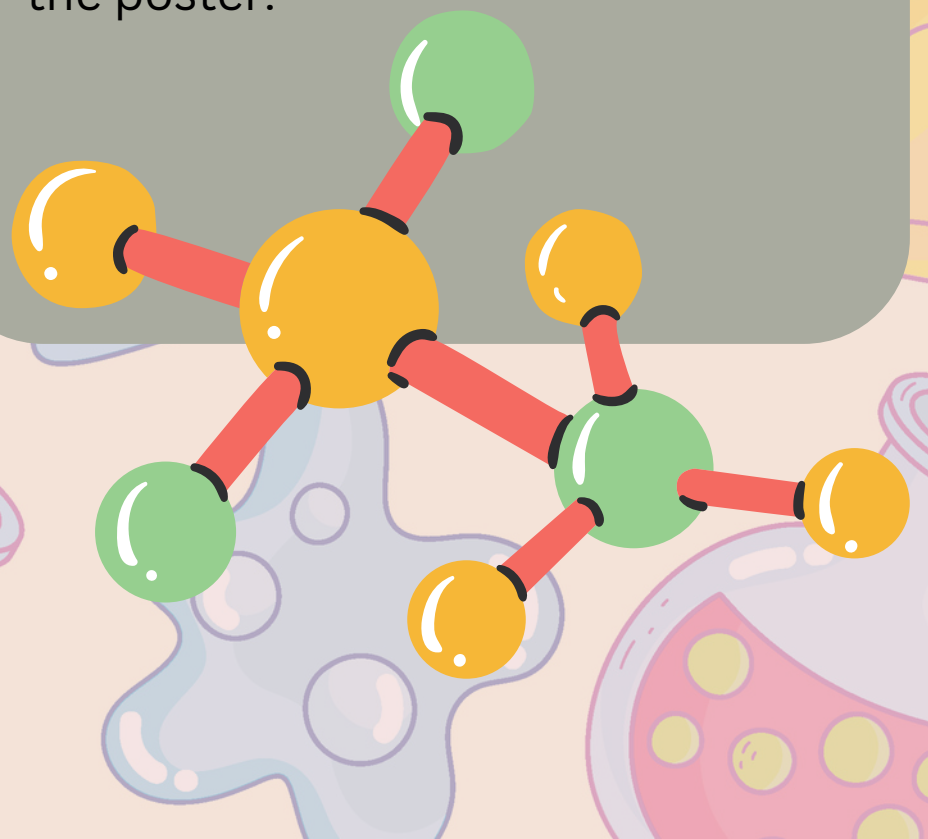
### Rules for Participants

- Poster must be based on concerned theme only.
- A single poster from each participant.
- Poster would be made on the spot.
- Duration: 60 mins.
- Pencil/Crayons/Watercolor/Oil paint/Sheets/Other required materials should be carried by the participants.
- Name/Class/School/Colleges etc. should be written on the backside of the poster.

#### Sub Groups

**Group 1 :** 9th to 12th

**Group 2 :**  
UG/PG(Post-Graduate)





## Group Discussion/ Panel Discussions

Organizing panel discussions with experts from various scientific disciplines offers a platform for in-depth conversations on emerging trends, interdisciplinary research, and ethical considerations. Panel discussions provide diverse perspectives, promote critical thinking, and encourage participants to explore the broader implications of scientific advancements. They also facilitate networking and learning from experienced professionals. These competitions provide a platform for students to showcase their knowledge, analytical skills, and scientific acumen. They foster a spirit of excellence, motivate participants to excel in their scientific pursuits, and recognize outstanding achievements.

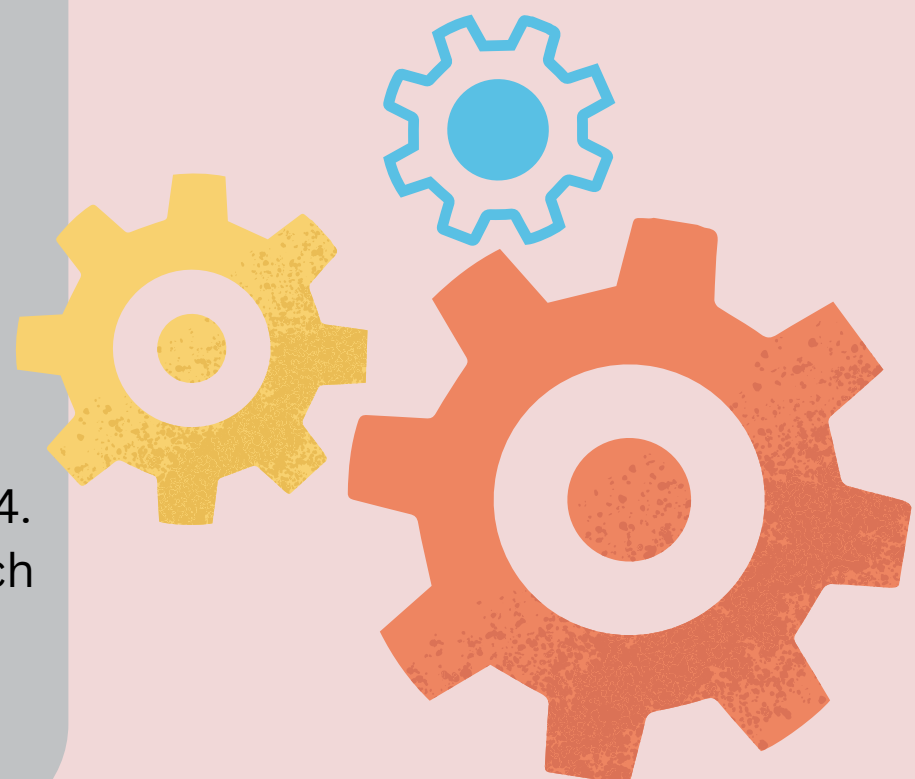
### Rules for Group Discussion

- Participants in a Team: 4
- The medium of the discussion will be English/Hindi.
- Duration: 30 minutes.
- A moderator will be present to facilitate the discussion, ensuring everyone has an opportunity to speak, and maintain order.
- The time allocated for each individual in a team to speak will be about 3 minutes when his/her turn comes.
- No one will be allowed to speak in between when a contestant is expressing his/her views.
- Emphasize the importance of respectful and constructive communication.
- All the rights related with the competition are reserved to Organizers of Science Conclave 2023-24.
- Rules and Regulations can be changed on time which will depend upon circumstances and number of Entries.

### Sub Groups

**Group 1 :** 9th to 12th

**Group 2 :** UG/PG(Post-Graduate)



# Documentaries and short videos based on science

Documentaries and short videos based on science can be powerful tools for education, communication, and inspiration. They have the potential to engage audiences, convey complex scientific concepts in an accessible manner, and generate interest in scientific topics.

## Themes for documentaries and short videos based on science

- Biotechnology Marvels
- Climate Change Impacts
- Medical Innovations
- Renewable Energy Solutions
- Space Exploration
- Sustainable Agriculture Practices
- Clean Water Initiatives
- Future of Transportation
- Bio-inspired Design
- Nanotechnology Wonders
- Data Science and Artificial Intelligence in Action
- Innovations in Education Technology

## Rules for Participants for Documentaries and short videos

- Participants in a Team : less than equal to 4
- Duration- 10-20 mins.
- Ensure that the documentary or short video aligns with the theme and focus areas of the science conclave.
- Ensure that the file given is not corrupt and is either 480p/720p in resolution.
- Participants should provide credits for all sources used in the documentary, including images, videos, and music.
- The participants must obtain the necessary permissions, consent, and release forms for any individuals featured in the documentary.

## Tips for Documentaries and short videos

- Emphasize the importance of addressing scientific concepts, research findings, or technological innovations.
- Ensure that the documentary or short video aligns with the theme and focus areas of the science conclave.
- Emphasize the importance of addressing scientific concepts, research findings, or technological innovations.

### Sub Groups

**Group 1 :** 9th to 12th

**Group 2 :** UG/PG(Post-Graduate)



# HOW DO SCIENCE CONCLAVE BENEFITS?



Science conclaves, or conferences, serve as crucial platforms for the exchange of knowledge, allowing scientists to present their latest findings and advancements. These events offer networking opportunities that foster collaborations and interdisciplinary interactions, potentially leading to recognition and publication opportunities. Conclaves contribute to keeping participants updated on emerging trends and technologies, enhancing skills through educational components like workshops. They inspire the next generation of scientists and promote international collaboration to address global challenges. Additionally, science conclaves influence scientific policies and decision-making, showcasing technological advances and benefiting the scientific community and society at large.



In summary, organizing a science conclave can have wide-ranging positive outcomes, from advancing scientific knowledge to fostering collaboration and inspiring the next generation of scientists.



**CHIEF PATRON**  
**MR. BHANDARU DATTATREYA**



**PATRON**  
**DR. RANPAL SINGH**



**CO-PATRON**  
**PROF. LOVELEEN MOHAN**





**CRSU, Jind**

## **ORGANIZING COMMITTEE**



**DEAN,  
ACADEMIC AFFAIRS  
PROF S.K. SINHA**



**DIRECTOR  
DR VISHAL VERMA**



**CO-DIRECTOR  
DR ANUPAM BHATIA**



**COORDINATOR  
DR DEEPAK  
WADHWA**



**DR RAM BHAGAT**



**DR SUBHADIP  
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