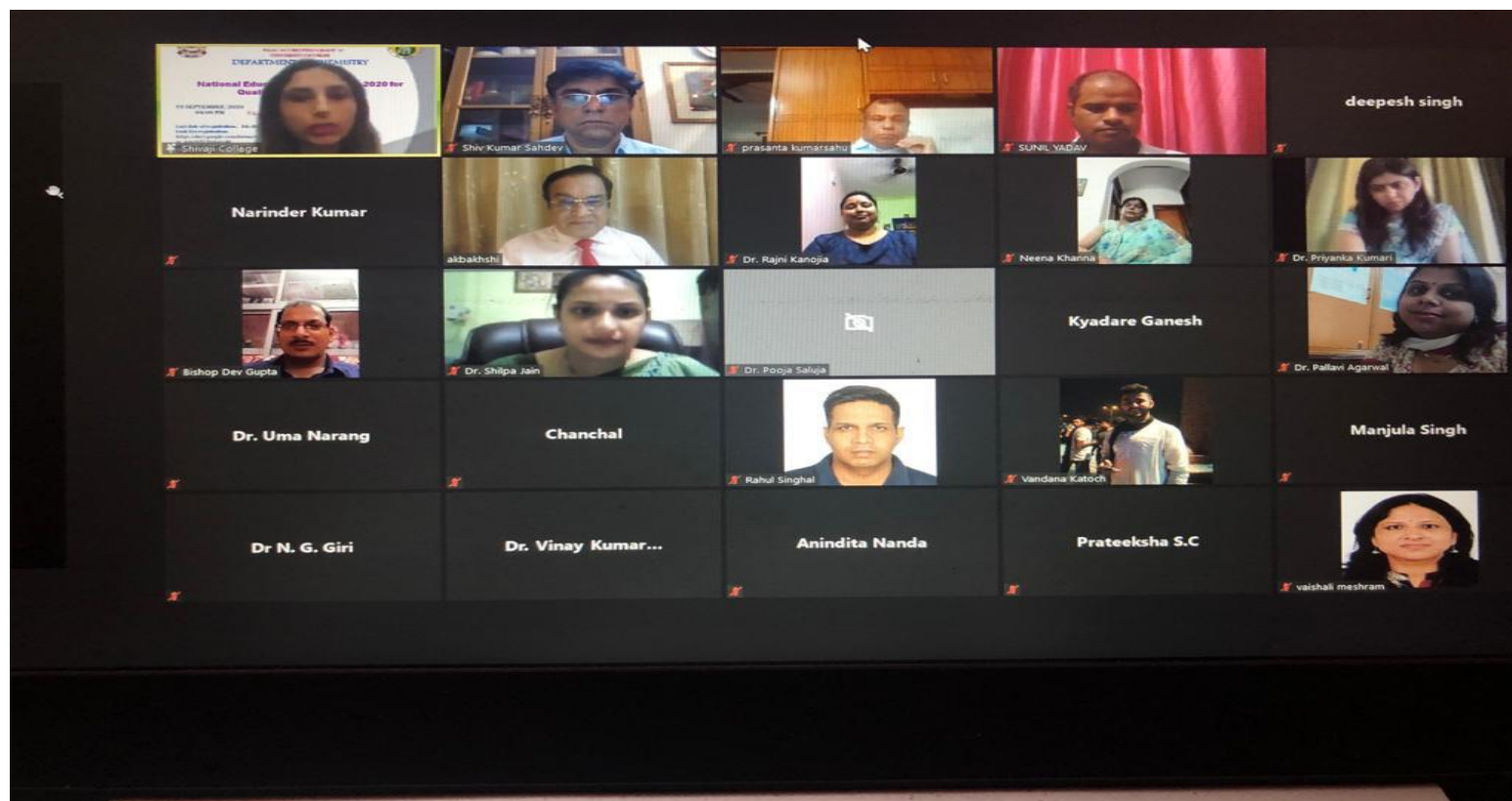


SOCIETY & ACTIVITIES

Webinar on the topic “National Education Policy (NEP)-2020 for Quality Higher Education” held on September 19, 2020

The Department of Chemistry, Shivaji College organized a Webinar on the topic “National Education Policy (NEP)-2020 for Quality Higher Education” by Professor A. K. Bakhshi. The webinar was organized under the convenorship of Dr. P. K. Sahu and guidance of Dr. Rajni Kanojia, Teacher-In-Charge of Chemistry Department. The co-convenor and host of the webinar was Dr. Richa Arora. The speaker of the talk, Professor A. K. Bakhshi is currently Vice Chancellor of PDM University, Bahadurgarh, Haryana. The event was held on 19.09.2020 (Saturday) at 04:00 PM on Zoom platform. The talk was aired live on the Facebook page of the Shivaji College. For the webinar, 771 registrations were received. Around 306 participants joined the event.



Basic Philosophy of MOOCs

Highly economical

4 A's

Laptop
Smart Phones
Tablets

Anytime
Anywhere
Anyone
Any Number of Times

MINI SMART COLLEGES

One can decide one's own pace of learning

zoom

akbakhshi




Webinar on the topic “The Contribution of DRDO In Prevention and Management of COVID-19 Pandemic” held on 26 September 2020

A webinar entitled “The Contribution of DRDO In Prevention and Management of COVID-19 Pandemic” was organized by the Department of Chemistry of Shivaji College, University of Delhi for the students, scholars, and teaching faculties on 26 September 2020, at 4:00 P.M on zoom platform. The webinar was open to public and approximately 170 people were in attendance. The Keynote speaker of the webinar was Dr. Himanshu Ojha, Scientist E and Joint Director at INMAS DRDO.

Disinfection and sanitization activities of Division of CBRN Defence

- ✓ Prepared and distributed 2640 liters WHO recommended Isopropyl alcohol based sanitizer and 1560 Liter HOCl in various DRDOs Delhi based Labs and offices.
- ✓ Has been maintaining Carbopol R940 based foot and tyre sanitization mat in DRDO Hqr and other labs since April 2020.
- ✓ Rendered training Delhi based DRDO Labs for routine and deep sanitization.

- *Provided back-pack sprayers and high pressure pumps to RAC, CCE(R&D) North, EMU Delhi, SSPL, JCB, O/o DGLS, LASTEC. Besides, the division has trained Delhi based DRDO Labs for routine and deep sanitization.
- *REMCOR wipes developed and distributed in O/o Chairman DRDO, O/o DGLS, and other DELHI DRDO Labs
- *DRDO disinfection committee:- INMAS acts as nodal agency







high pressure pump back-pack sprayer Remcor wipes

[Vehicle testing](#) [Robotic testing](#) [Int Dis](#)

The division under the leadership O/o DGLS had sanitized Gandhi Smriti Art Museum for the visit of Hon'able PM on 07-08 Aug 2020

Deep sanitization Services were provided to JCB (02 times), RAC and RAC Guest House based Corona quarantine facility, O/o DGLS.

Dr Himanshu Ojha's screen



Webinar on the topic “Correlation of Environmental Chemistry in National Education Policy” held on September 27, 2020

The Department of Chemistry, Shivaji College organized a Webinar on the topic “Correlation of Environmental Chemistry in National Education Policy” by Dr. Balaram Pani. The webinar was organized under the convenorship of Dr. P. K. Sahu. The co-convenor and host of

the webinar was Dr. Richa Arora. The event was organized under DBT sponsored Star College Scheme. The event was held on 27.09.2020 (Sunday) at 04:00 PM on Zoom platform. The talk was streamed live on the YouTube channel of Shivaji College as well as Facebook page of the Shivaji College. The event was attended by around 55 participants.

**Correlation
of
Environmental Chemistry
in
National Education Policy**

Prof. Balaram Pani
Dean of Sciences, University of Delhi,
Director, Campus of Open Learning, University of Delhi,
Principal, Bhaskaracharya College of Applied Sciences,
University of Delhi

SHIVAJI COLLEGE
 NAAC ACCREDITED GRADE "A"
 UNIVERSITY OF DELHI
 DEPARTMENT OF CHEMISTRY
 under the aegis of DBT sponsored Star College Scheme
 Organizes
 a Webinar on
 "Correlation of Environmental Chemistry in National Education Policy"
Dr. Balaram Pani
 Dean of Colleges, Delhi University
 Chairman GB, SOL
 Director, Campus of Open Learning
 27 SEPTEMBER, 2020
 04:00 PM
 Last date of registration: 24-09-2020, 5 p.m.
 Link for registration: https://docs.google.com/forms/u/1/d/1Y_vfYbM-Jof7yMYkgeaGQO1_jahYvKOyt-kfCKpbf-U/edit
 Platform for Webinar: Zoom/YouTube
 No registration fee

Coordinator Dr. Darshan Malik	Convenor Dr. P. K. Sahu	Co-Convenor Dr. Richa Arora	Patron Dr. Shiv Kumar Sahdev Principal
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Digital Collage Making Competition on "Academic Life during Lockdown" held in September, 2020

The Department of Chemistry, Shivaji College conducted an Inter-College Digital Collage Making Competition on the theme "Academic Life during Lockdown" in the month of September, 2020. The event was conducted under the convenorship of Dr. P. K. Sahu, co-convenorship of Dr. Richa Arora and guidance of Dr. Rajni Kanojia, Teacher-in-Charge of the Department of Chemistry of Shivaji College. Online entries were invited with no registration fee. The following instructions were given to the participants:

1. Only single participant entries shall be allowed.
2. Only one entry per participant is allowed.
3. Collage in digital format only shall be acceptable.
4. Participants must submit the collage in PNG/JPEG format via mail latest by 30.09.2020, 05:00 pm. No entries shall be accepted beyond deadline.

Around 22 participants registered for the event. The entries were judged by Dr. Neena Khanna, Dr. Vandana Katoch and Dr. Bhaskar M. Kandpal, based on the relevance to the theme, presentation, and originality. The result was declared on October 10, 2020.

Digital Logo Making Competition on "Chemistry as a Symbol" held in September 2020

The Department of Chemistry, Shivaji College conducted an Inter-College Digital Logo Making Competition on the theme "Chemistry as a Symbol" in the month of September 2020. The event was conducted under the convenorship of Dr. P. K. Sahu, co-convenorship of Dr. Richa

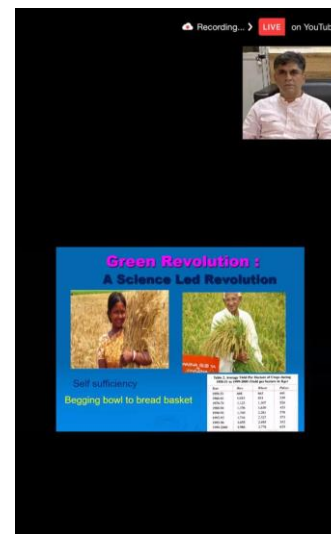
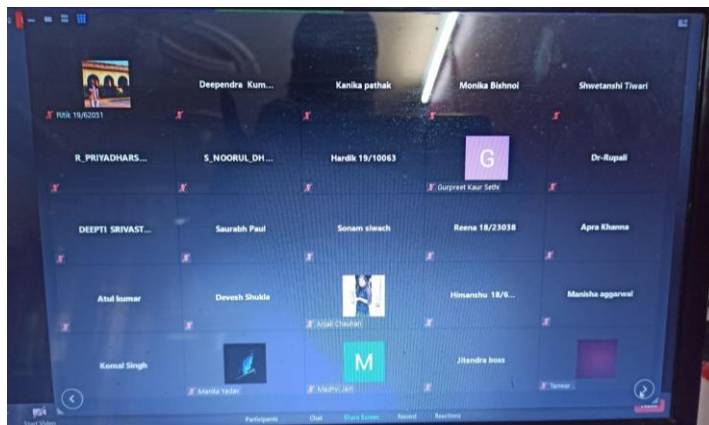
Arora and guidance of Dr. Rajni Kanojia, Teacher-in-Charge of the Department of Chemistry of Shivaji College. Online entries were invited with no registration fee. The following instructions were given to the participants:

1. Only single participant entries shall be allowed.
2. Only one entry per participant is allowed.
3. Logo in digital format only shall be acceptable.
4. Participants must submit the logo in PNG/JPEG format via mail latest by 20.09.2020, 05:00 pm. No entries shall be accepted beyond deadline.

31 participants registered for the event. The entries were judged by the Department on the basis of the relevance to the theme, presentation and originality. The result was declared on January 06, 2021.

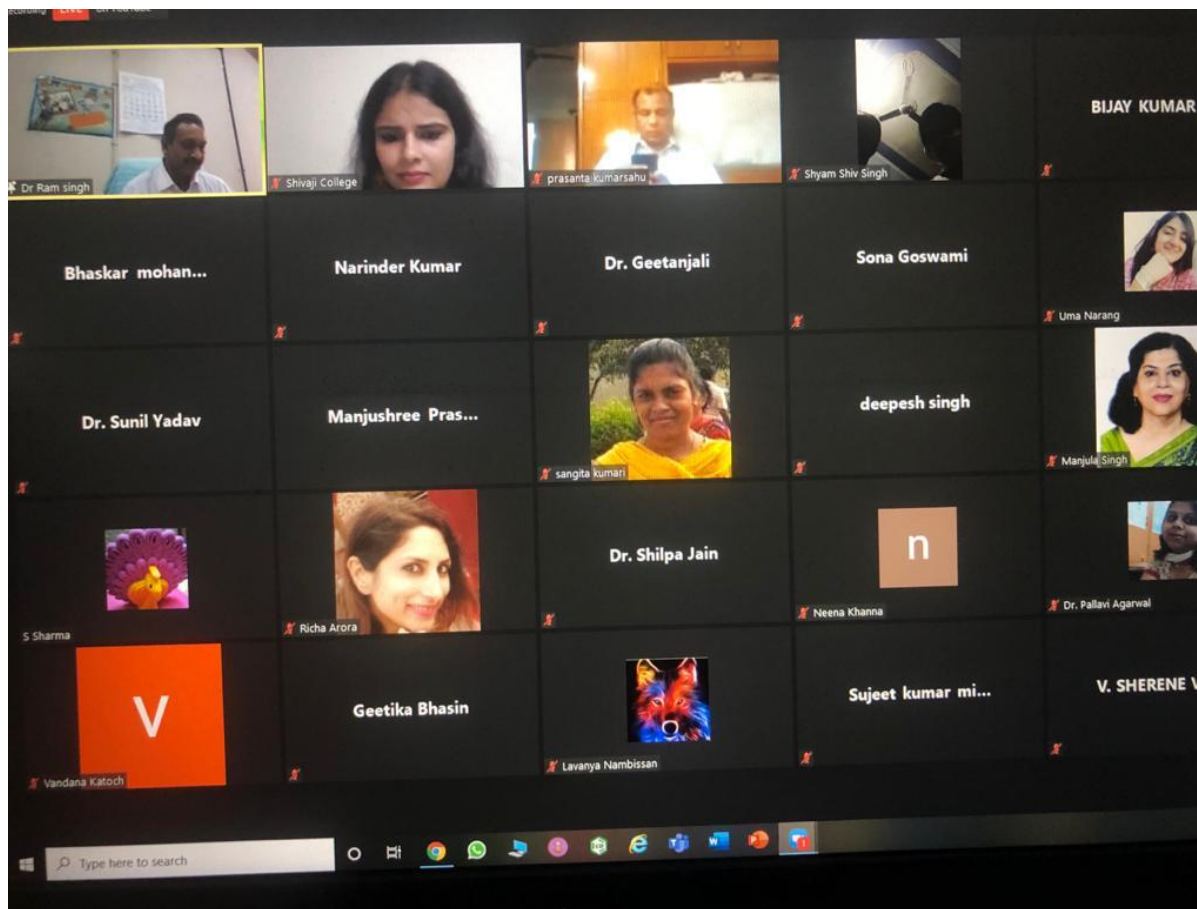
Webinar on the topic “Environmental challenges in front of society in current scenario and future strategies” held on October 09, 2020

A webinar entitled “Environmental challenges in front of society in current scenario and future strategies” was organized by the Department of Chemistry of Shivaji College, University of Delhi for the students, scholars and teaching faculties on October 09, 2020, at 4:00 P.M on zoom, Face book and You Tube and platform. The webinar was open to public and approximately 150 people were in attendance. The Keynote speaker of the webinar was Dr. Sandeep Lal, Principal Scientist at Indian Agricultural Research Institute (IARI).



Webinar on the topic “Alzheimer's Disease- Facts, Challenges & Opportunities” held on October 17, 2020

The Department of Chemistry, Shivaji College organized a Webinar on the topic “Alzheimer's Disease- Facts, Challenges & Opportunities” by Dr. Ram Singh, Associate Professor, Department of Applied Chemistry, Delhi Technological University. The event was held on 17-10-2020 (Saturday) at 04:00 p.m. on Zoom Platform and it was also streamed live on Youtube channel of Shivaji College.





Dr Ram singh's screen



Caricature Sketch Competition on “Our Famous Scientists” held in October 2020

The Department of Chemistry, Shivaji College conducted a Caricature Sketch Competition on the theme “Our Famous Scientists” in the month of October 2020. The event was conducted under the convenorship of Dr. Anil Krishan Aggarwal, co-convenorship of Dr. Pallavi Agarwal and guidance of Dr. Rajni Kanojia, Teacher-in-Charge of the Department of Chemistry of Shivaji College. Online entries were invited with no registration fee. The following instructions were given to the participants:

1. Only one entry per participant is allowed.
2. Participants must submit the Caricature in PNG/JPEG format via Mail latest by: 10 October 2020, 5:00 PM.
3. No Entries will be entertained after deadline.

27 entries were received and judged by Dr. P. K. Sahu, Dr. Neena Khanna and Dr. Vandana Katoch. The result was declared on October 22, 2020.

Cartoon Making Competition on “Glimpses of Chemistry Lab” held in October 2020

The Department of Chemistry, Shivaji College conducted a Cartoon Making Competition on the theme “Glimpses of Chemistry Lab” in the month of October 2020. The event was conducted under the convenorship of Dr. Neena Khanna, co-convenorship of Dr. Priyanka Kumari and guidance of Dr. Rajni Kanojia, Teacher-in-Charge of the Department of Chemistry of Shivaji College. Online entries were invited with no registration fee. The following instructions were given to the participants:

1. Only one entry per participant is allowed.
2. Participants must submit the Cartoon in PNG/JPEG format via Mail latest by: 20 October 2020, 5:00 PM.
3. No Entries will be entertained after deadline.

15 entries were received and judged by Dr. Manjula Singh, Dr. Anil Krishan Agarwal, Dr. P. K. Sahu and Dr. Bhaskar M. Kandpal. The result was declared on October 29, 2020.

Online Annual Fest “RASTANTRUM 2020” held on November 02, 2020

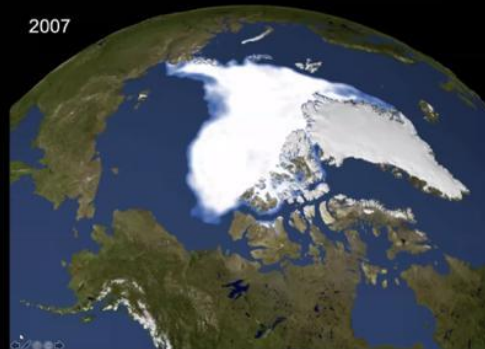
The Department of Chemistry, Shivaji College has organized its Online Annual Fest “RASTANTRUM 2020” via zoom platform on the theme Climate Changes 3.0: It’s Now or Never on 2nd November 2020. To enlighten students two webinars were organized. The first webinar was delivered by Mr. Aditya Pundir, Director, India & South Asia, The Climate Reality Project India, who delivered an insightful talk on the topic “CLIMATE CHANGE THE NEW REALITY”. The second webinar was delivered by Dr. Arun Srivastva, Assistant Professor, JNU, Delhi, on the topic “COVID-19 ATMOSPHERIC VARIABLES: AN OBSCURE RELATIONSHIP”. Several vivacious online activities for the students were also organized during the fest by the Department of Chemistry, Shivaji College. Based on the issue of the climate change and growing need of taking appropriate measures for the same, various events and competitions were organized for the students and were successfully executed.

REC

LIVE on YouTube



2007



Aditya's screen



Poetry Competition on “International Day for preventing the exploitation of the environment in war and armed conflicts” held in November 2020

The Department of Chemistry, Shivaji College conducted a Poetry Competition on the theme “International Day for preventing the exploitation of the environment in war and armed conflicts” in the month of October 2020. The event was conducted under the convenorship of Dr. Bhaskar M. Kandpal, co-convenorship of Dr. Pooja Saluja and guidance of Dr. Rajni Kanojia, Teacher-in-Charge of the Department of Chemistry of Shivaji College. Online entries were invited with no registration fee. 15 entries were received and judged by Dr. P. K. Sahu, Mr. Narinder Kumar and Dr. Priyanka Kumari. The result was declared on November 25, 2020.

Poster Making Competition on “Let’s Recycle and conserve our planet” held in November, 2020

The Department of Chemistry, Shivaji College conducted a Poster Making Competition on the theme “Let’s Recycle and conserve our Planet” in the month of October, 2020. The event was conducted under the convenorship of Dr. Bhaskar M. Kandpal, co-convenorship of Dr. Pooja Saluja and guidance of Dr. Rajni Kanojia, Teacher-in-Charge of the Department of Chemistry of Shivaji College. Online entries were invited with no registration fee. 24 entries were received and judged by Dr. Neena Khanna, Mr. Deepesh Singh and Dr. Sunil Yadav. The result was declared on November 27, 2020.

Workshop For School Teachers in Biological and Chemical Sciences held from March 22-26, 2021

A five-day “Workshop for school teachers in biological and Chemical sciences” was organized by the Department of Biochemistry, Botany, Chemistry and Zoology of Shivaji college under the aegis of DBT sponsored star college scheme from March 22-26, 2021. The Directorate of Education was approached, and they sent around 20 school teachers from different branches of Rashtriya Pratibha Vikas Vidyalaya (RPVV) to attend this workshop. The aim of this workshop was to train the school teachers of government schools with latest techniques, protocols, experiments and instruments related to the curriculum of 11th and 12th science stream. The far-sighted vision is that they would use the skills and knowledge gained during the workshop in their regular teaching and enhance the skills of countless number of government school students. On the first day, hands-on training was given in Chemistry Lab by all the faculty members of the Department of Chemistry on the following topics:

1. Chromatographic separation technique for amino acids: After a brief introduction, hands-on training was given to the participants on Radial Paper Chromatography and Thin Layer Chromatography (TLC)
2. Chemdraw: an interactive tool to draw biomolecules.



Intra-College Laboratory Skill Training Programme held from February 9-12, 2021

Inter-College Laboratory Skill Training Programme was organized for Assistants/Attendants in the Chemical and Life Science Laboratories from 9th February to 12th February 2021 under DBT sponsored Star College Scheme involving Department of Biochemistry, Botany, Chemistry and Zoology. A total of 25 participants attended the workshop from different colleges, namely, Hindu College, Ramjas College, Institute of

Home Economics, Maitreyi College, ARSD College, Dyal Singh College and Zakir Hussain College with different disciplines like Zoology, Chemistry, Microbiology, Botany, Food Technology, Physics and Geography. The Lab Staff Training Workshop in chemistry helped in equipping lab staff (Assistants and Attendants) better to handle chemicals, to prepare accurate solutions (with defined normality and molarity) and how to maintain apparatus and instruments (pH meter, potentiometer and conductivity meter) properly along with maintenance and handling of conductivity cell and combined electrodes. Also, they were trained in techniques like TLC and distillation setup, use of weighing balance, set up to determine melting point using Kjeldahl flask.



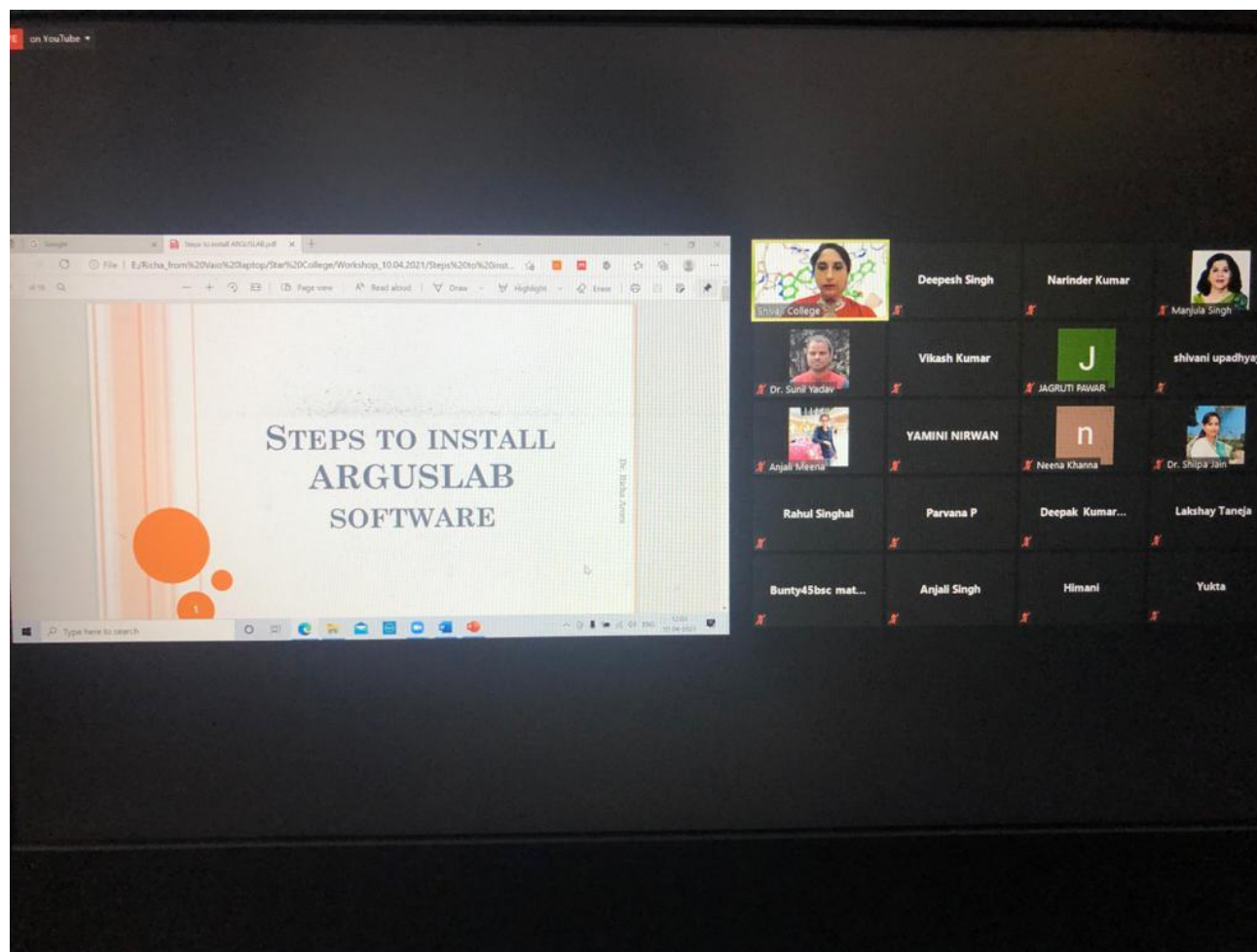
Online Workshop on “Riveting Story of Molecular Modeling” held on April 10, 2021

The Department of Chemistry, Shivaji College organized an Online Workshop on the topic “Riveting Story of Molecular Modeling” under DBT sponsored Star College Scheme.

The event was held on 10.04.2021 (Saturday) at 10:00 PM on Zoom platform. The Workshop involved a talk on Molecular Modeling by Professor Rita Kakkar, Senior Professor, Dean (Faculty of Sciences), Head (Department of Chemistry), University of Delhi. It was followed

by hands-on training on “ArgusLab” software. The event was streamed live on the YouTube channel of Shivaji College. The event was attended by around 250 participants.

The image shows a Zoom meeting interface. At the top, it says "Zoom Meeting" and "You are viewing Head Department of Chemistry's screen". There are four video thumbnails at the top: Shivaji College, Deepesh Singh, Narinder Kum..., and Head Departmen... A "LIVE on YouTube" badge is visible on the left. The main content is a presentation slide with the University of Delhi logo in the top left. The slide title is "The Riveting Story of Molecular Modelling" in blue text. Below the title is a 3D molecular model of a protein structure in purple and cyan. The slide footer includes the date "Shivaji College, April 10, 2021" and "10-04-2021". On the right side of the slide, the presenter's details are listed: "Dr. Rita Kakkar, Senior Professor & Head, Department of Chemistry, Dean, Faculty of Science, University of Delhi, E-mail: ritakakkar10@gmail.com". The Zoom control bar at the bottom shows icons for Mute, Stop Video, Security, Participants (224), Polls, Chat (9), Share Screen, Reactions, More, and an End button.



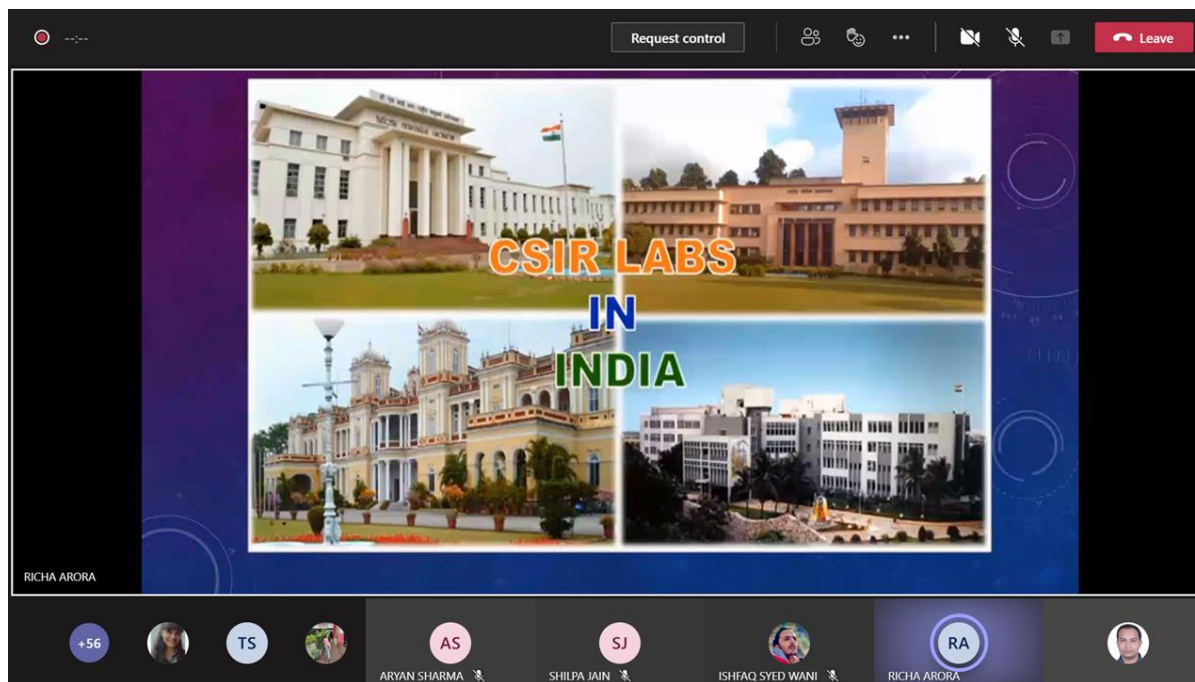
Virtual Tour of CSIR Labs held on April 21, 2021

The Department of Chemistry & Zoology, Shivaji College, jointly organized a VIRTUAL TOUR of “CSIR LABS” under DBT sponsored Star College Scheme. The event was held on 21.04.2021 (Wednesday) at 11:00 AM on Microsoft Teams platform. It involved VIRTUAL tours in the form of videos, to seven CSIR Labs. CSIR, i.e, The Council of Scientific & Industrial Research (CSIR) is a contemporary Research & Development organization. It has a pan-India presence with a dynamic network of 38 national laboratories, 39 outreach centres, three Innovation Complexes and five units. CSIR has over 4600 active scientists.

The event witnessed a participation of 115 students and faculty members. The seven CSIR Laboratories covered are:

1. CSIR- Indian institute of chemical technology (IICT), Hyderabad
2. CSIR-National Chemical Laboratory (NCL), Pune
3. CSIR-National Physical Laboratory (NPL), Delhi


4. CSIR-National Institute of Oceanography (NIO), Goa
5. CSIR-Institute of Microbial Technology (IMTECH), Chandigarh
6. CSIR-Central Building Research Institute (CBRI, IIT-Roorkee)
7. CSIR-Indian Institute of Toxicology Research (IITR), Lucknow



Online summer training program on “Virtual World of Chemistry 2.0” held from June 15 – July 12, 2021


The Department of Chemistry, Shivaji college under the aegis of DBT star college scheme organized four weeks online summer training program on “Virtual World of Chemistry 2.0” from 15th June- 12th July 2021. The program was inaugurated on Zoom platform on 15th June 2020 at 10.00 a.m. Over 250 participants were present including all the faculty members of Department of chemistry, Shivaji College, and students from different science courses of different colleges in India. Subsequent sessions after the inauguration were featured on Zoom platform only. Participants were divided into two groups, *i.e.*, Group A & Group B to make teaching learning process more efficacious. Dr. Manjula Singh, Dr. Neena Khanna, Dr. Bhaskar Mohan Kandpal and Dr. N.G Giri were the mentors; Mr. Deepesh Singh and Dr. Pooja Saluja were the Resource persons for the sessions of the first week of the training; two learning sessions and one doubt session for each group. Group A had their learning session on 15 & 16th June; Group B had their learning session on 17 & 18th June, followed by one common doubt session for both Group A and Group B on 19th June 2021. The sessions of the first week were based upon introducing virtual lab *i.e.*, praxilab, labsters and Chem Draw software to students. On 22nd July 2021, second week of the training started with Inorganic Chemistry session. Inorganic

sessions were hosted by Dr. Pallavi Agarwal and Dr. Priyanka Kumari on “Diamond software for X-ray crystallography” and “Plotting of graph via Excel and Origin software. Topics described here briefly. Mentors of Inorganic session were Mr. Mahendra Kumar Meena and Dr. Rahul Singhal. In the third week of the training, the participants were taught how to use Molecular Modeling softwares, viz., MolView and Avogadro by Dr. Richa Arora. The mentors for the third week were Dr. Anil Krishan Aggarwal and Dr. Vandana Katoch. Two core sessions for each group and one common doubt session for both groups were conducted on Zoom platform. After every session, a fun quiz on Mentimeter was conducted. The training of the third week ended with a short quiz on the softwares learned. The fourth week of online summer training was dedicated for the final report writing and final report submission of the participants. The mentors of this week were: Dr. P. K. Sahu and Dr. Rajni Kanojia and the resource persons were Dr. Shilpa Jain and Mr. Narinder Kumar. The training includes sessions on Plagiarism and hands-on sessions on MS Word and MS Excel. The training concluded on 12th July 2021 with a Valedictory session at 10:00 AM on Zoom platform, which witnessed a positive and fruitful interactions between the participants and the resource persons and mentors. The participants expressed their gratitude for such a knowledgeable and fruitful training.



SHIVAJI COLLEGE

NAAC ACCREDITED GRADE 'A'






DEPARTMENT OF CHEMISTRY

under the aegis of DBT sponsored Star College Scheme

Organizes

Online Summer Training on

Virtual World of Chemistry 2.0



15th June – 12th July, 2021

Last date of registration: 10-06-2021, 5 p.m.
Link for registration:
https://docs.google.com/forms/d/1ursBDVPyuiUq_sZg7lecjUpDP_toXFJmJbfmOzsWoZKl/edit
Virtual training will be held on: Zoom

- ❖ Under-graduate and post-graduate science students can apply.
- ❖ No Registration Fee.
- ❖ E-Certificate to all the participants on completion of training.
- ❖ Participants must have a good internet connection and a laptop/PC.

Convenor Dr. P. K. Sahu	Co-Convenor Dr. Richa Arora	Coordinator Dr. Darshan Malik	Principal Prof. Shiv Kumar Sahdev
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For any query, drop in a mail at starcollegechemshc@gmail.com

Recording... You are viewing Department of Chemistry Shivaji's screen View Options

chemdrawdirect.perkinelmer.cloud/js/sample/index.html#

New Document Selection Structure Reaction Utilities Help

Advanced BioDraw
Amino Acid Side Chains
Amino Acids
Anatomy
Animals
Aromatics
Bicyclics
Bio Instruments
BioArt
Bugs
Clipware, part 1
Clipware, part 2
Conformers
Cp Rings
Cycloalkanes
DNA Templates
Functional Groups
Hexoses
Metalloenes
Microorganisms
Nanotubes
Organelles
Ph Rings
Polyhedra
Polypeptides
RNA Templates
Shapes
Stereocenters
Supramolecules

Customize API Calls 1

The screenshot displays the ChemDraw software interface. The main workspace contains a grid of 50 animal icons arranged in 5 rows and 10 columns. Below the grid, a simple line drawing of human legs is visible. A search box with the letter 'F' is positioned to the left of the grid. The right sidebar lists various chemical drawing categories, with 'Advanced BioDraw' expanded to show a list of biological and chemical templates. A video call window is overlaid on the bottom right, showing two participants: 'deepesh singh' and 'Nidhi'. The bottom of the screen shows a standard Windows taskbar with icons for Unmute, Start Video, Security, Participants (160), Chat, Share Screen, Pause/Stop Recording, and Reactions.

Insert Data Analysis Gadgets Tools Preferences Connectivity Window Social Help

100%

Graph1

Absorbance As a Function of Wavelength

Wavelength (nm)	Absorbance
200	0.5738
201	0.5819
202	0.5812
203	0.5784
204	0.5762
205	0.5659
206	0.657
207	0.5408
208	0.5245
209	0.5074
210	0.5882

Please move this window away from

From Rishabh Jain to Everyone
it's visible ma'am

Department of Chemistry Shivaji College

Security Participants 131 Chat Share Screen Pause/Stop Recording Reactions

untitled.cml* - Avogadro

File Edit View Build Select Extensions Crystallography Settings Help

New Open Save Close Quit

Tool Settings... Display Settings...

Display Types

- Axes
- Ball and Stick
- Cartoon
- Dipole
- Force
- Hydrogen Bond
- Label
- Polygon
- QTAIM

Add Duplicate Remove

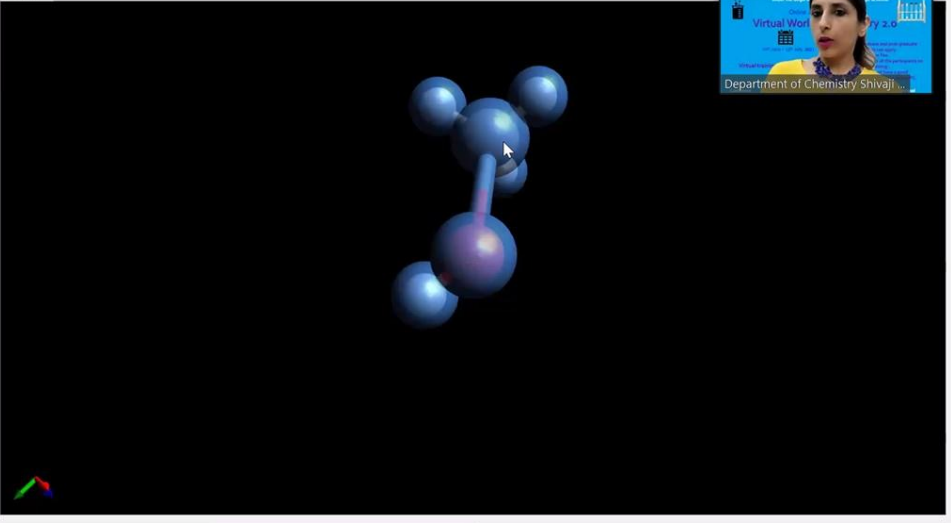
Selection Settings

Selection Mode: Molecule

Add Center of Atoms

Add Center of Mass

View 1







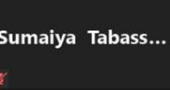









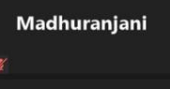










Messages

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38°C 11:02 01-07-2021

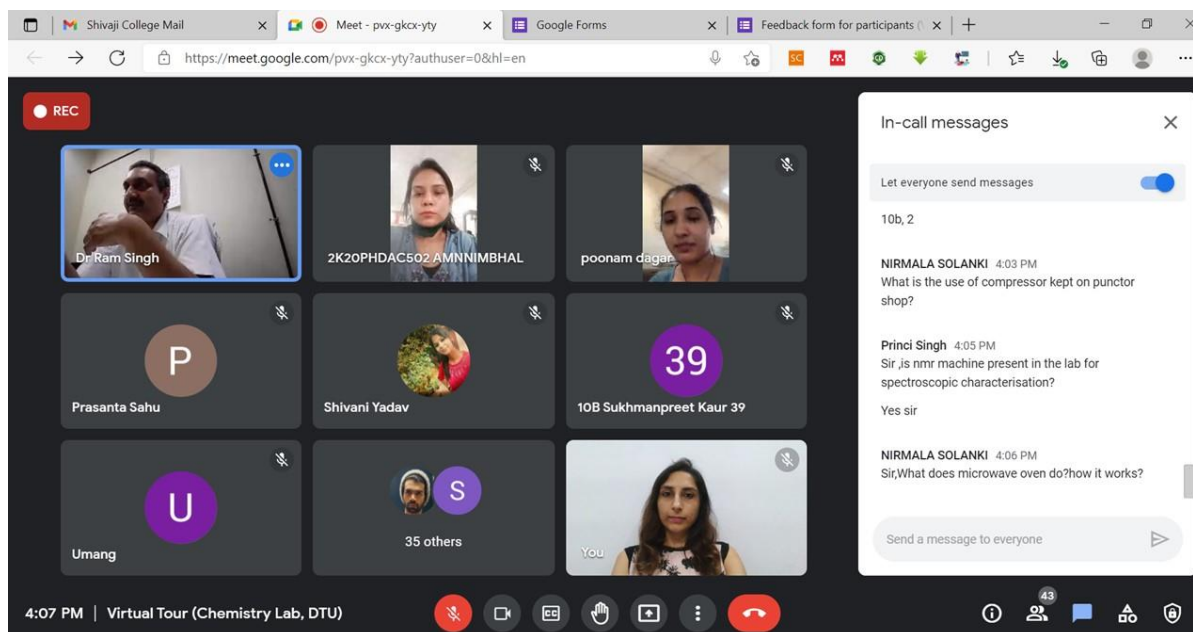
Recording...

 Dr. Shilpa Jain	 Department of...	 Prasanta Kumar...	 Sagar	 Vaibhav Kumar
 Reetam Bharadwaj	 Sumaiya Tabass...	 Sanjana gyanes...	 ANKITA KUMARI	 Shraddha R Bhat
 Tanya Kakkar	 Santhosh G	 Simer Kaur	 Devika Jayan	 Christy.D
 Reena Sharma	 Madhuranjani	 Siddhant Sharma	 Somya Chawla	 Shruti Goel
 GARIMA	 Eilish Maheshwari	 Merlin Mathew	 Akanksha Shakya	 Riddhima Talwar

Unmute Start Video Security Participants Polls Chat Share Screen Pause/Stop Recording Reactions More End

Virtual Tour of DTU Chemistry Labs held on July 16, 2021

The Department of Chemistry, Shivaji College, jointly organized a VIRTUAL TOUR of Laboratories of Department of Applied Chemistry, Delhi Technological University, under DBT sponsored Star College Scheme. Dr. P. K. Sahu, Dr. Bhaskar Mohan Kandpal and Dr. Richa Arora were the organizers. The event was held on 16.07.2021 at 03:00 PM on Google Meet platform. Dr. Ram Singh, Associate Professor of the Department of Applied Chemistry, Delhi Technological University was the co-ordinator of the tour. The event witnessed a participation from 42 participants including Shivaji College teachers and under-graduate science students of Shivaji College from different courses including Chemistry, Biochemistry, mathematics, Life Sciences and Physical Science with Chemistry. Also, we have students of 9th, 10th, 11th and 12th standard as well teachers of Jawahar Navodaya Vidyalaya. The live demonstrations of techniques like column chromatography and instruments like magnetic stirrer, distillation set up, digital water bath, Ice machine, hydrogenation machine, UV machine (to see TLC), thermogravimetric analyzer, High performance Liquid Chromatography were displayed by the students of Dr. Ram Singh. All these techniques are being used for the research purpose.





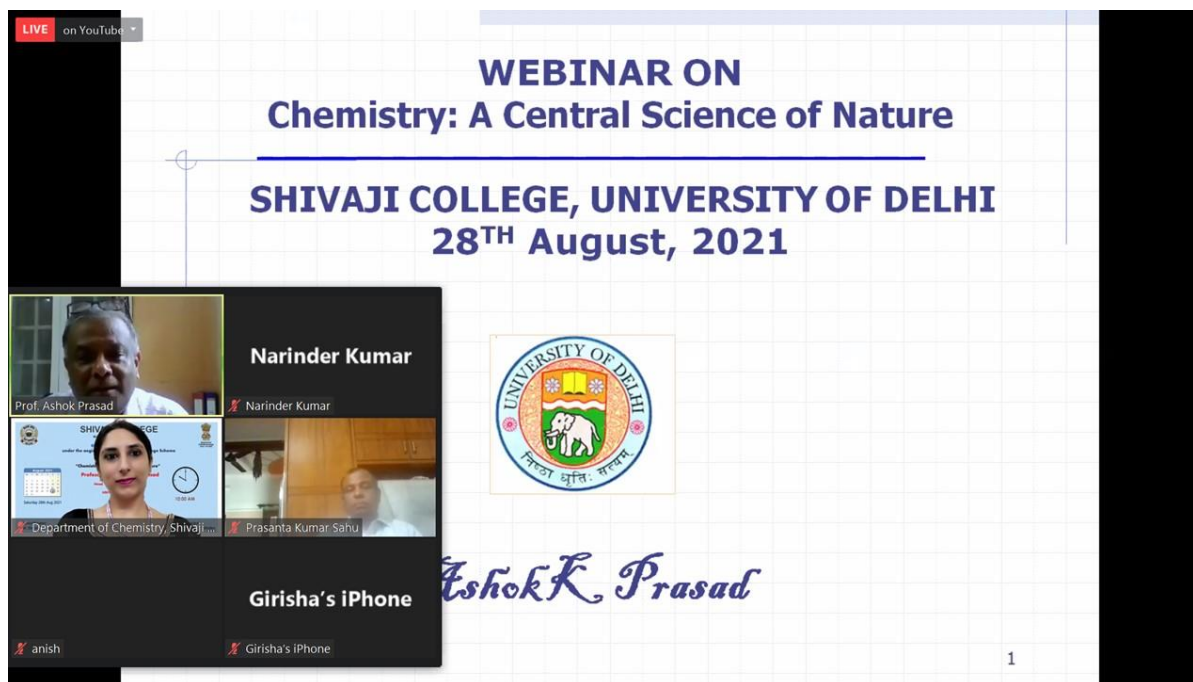
Intra-College Laboratory Skill Training Programme held from August 11-17, 2021

Intra-College Laboratory Skill Training Programme was organized for Assistants/Attendants in the Chemical and Life Science Laboratories from 11th August to 17th August 2021 under DBT sponsored Star College Scheme involving Department of Biochemistry, Botany, Chemistry and Zoology. A total of 20 participants attended the workshop from different disciplines like Zoology, Chemistry, Computer Science, Botany and Biochemistry. The Lab Staff Training Workshop in chemistry helped in equipping lab staff (Assistants and Attendants) better to handle chemicals specially the solvents used in Chemistry laboratories, to handle and maintain glasswares, to prepare accurate solutions (with defined normality and molarity), how to put set-up for distillation and maintenance and calibration of instruments (pH meter, potentiometer, and conductivity meter).



Webinar on the topic “Chemistry: A Central Science of Nature” held on August 28, 2021

The Department of Chemistry, Shivaji College organized a Webinar on the topic “Chemistry: A Central Science of Nature” by Prof. Ashok Kumar Prasad, under the aegis of DBT sponsored Star College Scheme. The webinar was organized under the convenorship of Dr. P. K. Sahu. The co-convenor and host of the webinar was Dr. Richa Arora. The speaker of the talk, Prof. Ashok Kumar Prasad is currently Dean, Faculty of Sciences, Head, Department of Chemistry and IPR Chair of University of Delhi. The event was held on 28.08.2021 (Saturday) at 10:00 AM on Zoom platform. The talk was aired live on the YouTube Channel of the Shivaji College. Around 331 participants attended the event. The event witnessed participation from faculty and students from various colleges/universities/institutes across India. The event was formally inaugurated by Prof. Shiv Kumar Sahdev, Principal of Shivaji College. The speaker for the webinar gave insights into how important Chemistry is to understand the basic processes going on in nature. The talk was followed by a Question/Answer session. The participants really appreciated the talk and the presentation of Prof. Ashok Kumar Prasad. The webinar ended with a vote of thanks by the senior most faculty of the Department of Chemistry of Shivaji College, Prof. Manjula Singh.



Video Making Competition on the topic “Re-create a Scientific Discovery” held in August 2021

The Department of Chemistry, Shivaji College conducted an Inter-College Video Making Competition for undergraduate Science students on the theme “Re-create a Scientific Discovery” in the month of August 2021. The event was conducted under the convenorship of Dr. P. K. Sahu, co-convenorship of Dr. Richa Arora and guidance of Mr. Mahendra Kumar Meena, Teacher-in-Charge of the Department of Chemistry of Shivaji College. Online entries were invited with no registration fee. The following instructions were given to the participants:

1. The participant must submit a digital video not exceeding 01 minute (60 seconds). Extra 5 seconds could be used for giving the information like name of the participant, name of the scientific discovery chosen, name of the course and college/institute's details.
2. The video must be original. You may use the facts and ideas related to the discovery available online.
3. You may submit your entry as a group or as an individual.
4. Only one entry per participant is allowed.
5. The participant must fill the registration form before submitting the video otherwise, your video will not be considered.
6. There is no registration fee.
7. The video must be submitted via mail latest by 5:00 PM on August 31, 2021. The details of the participant including name of the participant, name of the scientific discovery chosen, name of the course, contact number and college/institute's details must be provided in the mail along with the video as an attachment.
8. No entries will be accepted beyond deadline.

Around 80 participants registered for the event but only 16 videos were received. The entries were judged by the Department on the basis of the discovery chosen, quality of the content and overall appeal.

Inter-College Laboratory Skill Training Programme held September 14-20, 2021

Inter-College Laboratory Skill Training Programme was organized for Assistants/Attendants in the Chemical and Life Science Laboratories from 14th September to 20th September 2021 under DBT sponsored Star College Scheme involving Department of Biochemistry, Botany, Chemistry and Zoology. A total of 14 participants attended the workshop from different colleges and disciplines like Zoology, Chemistry, Computer Science, Botany and Biochemistry, Bio-medical Sciences, Life Science, Botany, Food Technology and Microbiology. The Lab Staff Training Workshop in chemistry helped in equipping lab staff (Assistants and Attendants) better to handle chemicals specially the solvents used in Chemistry laboratories, to handle and maintain glassware's, to prepare accurate solutions (with defined normality and molarity), how to put set-up for distillation and maintenance and calibration of instruments (pH meter, potentiometer, and conductivity meter).

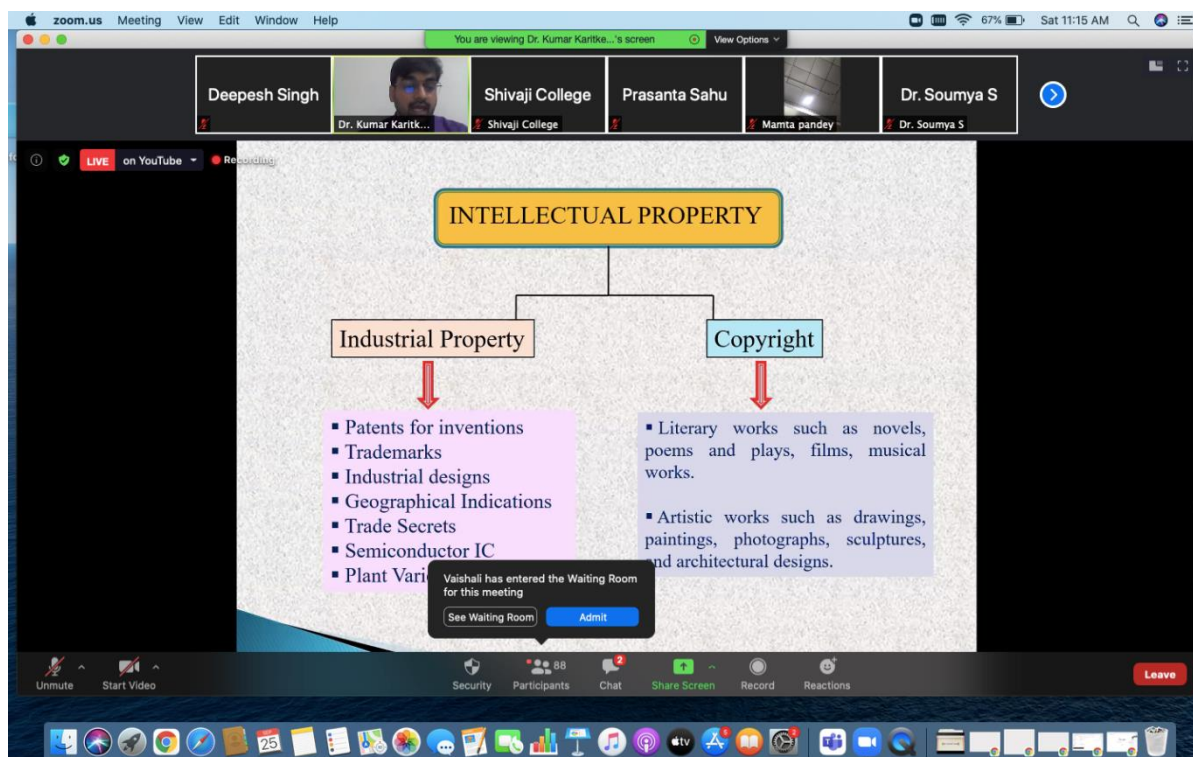


Webinar on the topic “Intellectual Property Rights: Drafting and filing of Patents in India” held on September 25, 2021

The Department of Chemistry, Shivaji College organized a Webinar on the topic “Intellectual Property Rights: Drafting and filing of Patents in India” by Dr. Kumar Kartikey Yadav, under the aegis of DBT sponsored Star College Scheme. The webinar was organized under the convenorship of Dr. P. K. Sahu. The co-convenor and host of the webinar was Dr. Richa Arora. The speaker of the talk, Dr. Kumar Kartikey

Yadav is currently the speaker of the day. He is an Examiner of Patents and Design, Ministry of Commerce and Industry, Government of India. The event was held on 25.09.2021 (Saturday) at 11:00 AM on Zoom platform. The talk was aired live on the YouTube Channel of the Shivaji College. Around 107 participants attended the event.

The event witnessed participation from faculty and students of various colleges/universities/institutes across India. The speaker for the webinar gave insights into different types of IPRs, their importance and how to file patents in India. The talk was followed by a Question/Answer session. The webinar ended with a vote of thanks by the senior most faculty of the Department of Chemistry of Shivaji College, Prof. Manjula Singh.





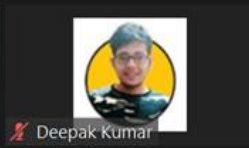


















Online Debate Competition on the topic “Privatisation, Atma Nirbhar Bharat” held on September 25, 2021

The Department of Chemistry, Shivaji College conducted an Inter-college Online Debate Competition on September 25, 2021 (Saturday) from 3:00 PM onwards on Zoom for undergraduate Science students on the theme “Privatization, Atma Nirbhar Bharat”. Online entries were invited with no registration fee. The event was conducted under the convenorship of Dr. P. K. Sahu, co-convenorship of Dr. Richa Arora and guidance of Mr. Mahendra Kumar Meena, Teacher-in-Charge of the Department of Chemistry of Shivaji College. The following instructions were given to the participants:

1. There is no registration fee.

2. Filling of registration form is compulsory for taking part in this event.
3. This is an individual event. You may choose the “FOR” side or “AGAINST” side in the registration form. Once you have chosen your side in the registration form, it will not be changed.
4. Each participant will have 5 minutes to present their views on the topic. After this, 2 minutes will be given for counter-questioning.
5. The participants are free to express their views on the topic, but you must be polite, respectful, speak clearly and loudly and use grammatically correct language.
6. You can speak in either English or Hindi.
7. You must maintain the decorum of the event and should speak with the permission of the moderator.
8. If any participant is found using malicious language or hinders the event in any manner, that participant will be disqualified.
9. The judgement will be based on the content, expression, language, and facts. The decision of the judges will be final.
10. No entries shall be accepted beyond deadline.

Around 52 participants registered for the event but only 14 (09 in favour and 05 against the topic) participated in the debate. **The event was judged by Dr. Vandana Katoch, Dr. Shilpa Jain and Mr. Narinder Kumar** from the Chemistry Department of Shivaji College. Dr. Richa Arora was the moderator of the event. The judgement was based on whether the Views and the content shared by the participant are relevant to the theme or not, the Presentation or expression of thoughts and Counter-questioning when other participants present their views i.e., how relevant questions he/she asks.

 Anshul Roulaniya	 Shivaji College	 Deepak Kumar	 Vaishali Naidu	 Narinder Kumar
 Prasanta Sahu	 Dr. Shilpa Jain	 Prajay	 VIKAS VASHISHTH	 Vandana Katoch
 Nidhi kumari	 Raushan	 Devansh Dwivedi	 astha rai	 Pragya Bafna
 Dr. Priyanka kumari	 Ritik kumar chaudhary	 Sushant Singh	 NPJam 29 Shaily Singh R...	 Shubhi Vaish
		 120PCM006 Abhishek		

Unmute My Audio (Alt+A). Or you can simply press and hold the space bar to temporarily unmute.

Participants (21)

Find a participant

- SC Shivaji College (Host, me) [Mute] [Video Off]
- Dr. Shilpa Jain (Co-host) [Mute] [Video Off]
- NK Narinder Kumar (Co-host) [Mute] [Video Off]
- PS Prasanta Sahu (Co-host) [Mute] [Video Off]
- V Vandana Katoch (Co-host) [Mute] [Video Off]
- Anshul Roulaniya [Mute] [Video Off]
- A 120PCM006 Abhishek [Mute] [Video Off]
- AR astha rai [Mute] [Video Off]
- Deepak Kumar [Mute] [Video Off]
- DD Devansh Dwivedi [Mute] [Video Off]
- DP Dr. Priyanka kumari [Mute] [Video Off]
- NK Nidhi kumari [Mute] [Video Off]
- NPJam 29 Shaily Singh R... [Mute] [Video Off]