



MCM Vigyan Manch



**Mehr Chand Mahajan DAV College for Women
Sector-36A, Chandigarh**

Celebrates

SCIENCE WEEK

(22nd to 28th February, 2022)

Sponsored by

**Department of Science & Technology & Renewable Energy
Chandigarh Administration, Chandigarh**



MCM Vigyan Manch



Patron

Dr. Punam Suri ji

Padmashree Awardee

Hon'ble President,

DAV College Managing Committee, New Delhi

Convener & Principal

Dr. Nisha Bhargava

Mehr Chand Mahajan DAV College for Women, Chandigarh

Co-Convener

Dr. Indu Arora

Dean (Science), Head, Department of Computer Science and Applications

Organising Committee

Mrs. Vandana Syal

Dr. Shefali Dhiman

Dr. Neetu

Dr. Sagarika Dev

Dr. Sarabjeet Kaur

Dr. Ritika Bansal

Dr. Gunjan Sud

Dr. Purnima Bhandari



MCM Vigyan Manch



Programme Schedule

22 Feb, 2022

- Webinar on “Nanotech and Future Implications” by Department of Chemistry

23 Feb, 2022

- National Level Online Quiz on Botany organized by Department of Botany

24 Feb 2022

- Webinar on “Emerging Topics and Opportunities in Physical Science” by Department of Physics
- Field Visit cum Workshop on Sophisticated Analytical Instruments by Department of Chemistry & Environment Science

25 Feb 2022


- National Webinar On “Combatting Cybercrime During Covid-19” Department of Computer Science & Applications
- Field Visit cum Workshop on Sophisticated Analytical Instruments by Department of Chemistry & Environment Science

26 Feb 2022

- National Level Online Declamation Contest by Department of Zoology
- A webinar by Dr. Rohit Sharma organized by Department of Food Science

28 Feb, 2022

- Webinar on “Wonders of Mathematics” by Department of Mathematics
- National Level Online Power Point Presentation Competition on the Theme- ‘Innovations That Define Modern India’

A decorative border of science-related icons surrounds the text. On the left, there is a large Erlenmeyer flask with blue liquid, a rack of test tubes with colored liquids, and a beaker. In the center, there are various pieces of laboratory glassware including flasks, a graduated cylinder, and a microscope. On the right, there is a test tube, a beaker, a microscope, and a flask with a flame underneath it. Above the glassware, there are several circles of varying sizes, some with smaller circles inside them, resembling bubbles or molecular structures.

Report of Activities conducted during

SCIENCE WEEK CELEBRATIONS

(22nd - 28th February 2022)

1. WEBINAR ON “NANOTECH AND FUTURE IMPLICATIONS’

Date: 22.02.2022

Organized by: Post- Graduate Department of Chemistry

Event coordinators: Dr. Shefali Dhiman & Dr. Sagarika Dev

Number of participants: 130

Post Graduate Department of Chemistry organized a Department of Science and Technology and Renewable Energy sponsored webinar on Nanotech and Future Implications under the aegis of MCM Vigyan Manch to mark the celebration of Science Day on 22nd February 2022 at 11:30 am. Dr. Ashish Pal, Scientist-F and Professor in Indian Institute of Nanotechnology (INST) Mohali was the invited speaker for the event. Around 130 students from B.Sc. and M.Sc. Chemistry and 17 faculty members participated in the session. His talk was focused on basics of nanoscience and implications of nanotechnology across the globe by bridging the gap between knowledge given in books and research happening in laboratories. He correlated the latest development in energy, environment, science, and medicine with ancient practices of Bhasama, Ayurveda and Unani. He also discussed applications of nanotechnology in curbing various forms of environmental pollution. The recent advancements in nanoparticle mediated drug delivery and concept of electric vehicle were also discussed.

Activity at a Glance



2. NATIONAL LEVEL ONLINE QUIZ ON THE THEME 'INTEGRATED APPROACH IN SCIENCE AND TECHNOLOGY FOR A SUSTAINABLE FUTURE'

Date: 23.02.2022

Organized by: Department of Botany

Event coordinators: Dr. Gunjan Sud and Dr. Purnima

Number of participants: 89

The Department of Botany, under the aegis of MCM VIGYAN MANCH, organized a National Level Online Quiz in Botany, as part of ongoing Science Week on 23.02.2022. The theme of the quiz was '**Integrated Approach in Science and Technology for a Sustainable Future**'. During the event, around 89 people from different states including Haryana, Punjab, Himachal Pradesh, Gujarat, Karnataka, Maharashtra and U.T. Chandigarh participated in the National level Online Quiz. The quiz was based on the facts related to science and technology, and sustainable practices adopted in the field of Botany. The winners of the Quiz are as follows:

First Prize (Rs. 1500/-): Ms. Ankita Jindal, Sri Guru Ram Das Institute of Medical Sciences and Research, Amritsar, Punjab.

Second Prize (Rs. 1000/-): Ms. Ashmeet Kaur, Mehr Chand Mahajan DAV College for Women Sector 36A, Chandigarh.

Third Prize (Rs. 500/-): Ms. Palak Soni, Mehr Chand Mahajan DAV College for Women Sector 36A, Chandigarh.

Activity at a Glance



sciences after graduation. He enlightened that Quantum knowledge regarding entanglement and superposition is crucial for following research in physics. He also highlighted the drawbacks of Big-Bang theory and future scope in Cosmology. Moreover, he listed various summer internship programmes in reputed institutes that students can opt for their future career along with numerous national and international fellowship programmes like JRF, DAAD, TWAS. This webinar enhanced the linkage of academic and career experiences and thus improved career preparation and management. Besides this, student also learned about new opportunities and various funding schemes available after graduation and post-graduation.

Activity at a Glance



4. TWO-DAY FIELD VISIT CUM WORKSHOP ON SOPHISTICATED ANALYTICAL INSTRUMENTATION

Date: 24.02.2022 -25.02.2022

Organized by: Department of Environment Science and Post Graduate Department of Chemistry in collaboration with SAIF/CIL, Panjab University

Event co-convener: Dr. Shefali Dhiman

Event coordinators: Dr. Shafila

Number of participants: 27 students

Department of Environment Science and Post Graduate Department of Chemistry in collaboration with SAIF/CIL, Panjab University, organized two-day Field Visit cum Workshop on Sophisticated Analytical Instrumentation, under the aegis of Synergistic Training Program Utilizing the Scientific and Technological Infrastructure (STUTI) from 24th-25th February 2022 at Sophisticated Analytical Instrumentation facilities/ Central Instrumentation Laboratory (SAIF/CIL), Panjab university, Chandigarh. On day one, inaugural session was graced by the presence of worthy Principal Dr. Nisha Bhargava, Prof. Ganga Ram Chaudhary, honorary Director, SAIF/CIL, PUC and Prof. H.P.S. Kang, Associate professor, SAIF/CIL, PUC. The technical lectures on UV-visible spectroscopy and NMR basics and applications were delivered by Dr. Shailendra Singh Khichi and Dr. Rohit Sharma respectively, followed by workshop on sophisticated analytical instruments, SEM and NMR. On day two, the technical lectures on FTIR spectroscopy and X-Ray Diffraction were delivered by Dr. Shailendra Singh Khichi, Research Scientist, SAIF/CIL PUC and Dr. Navneet Kaur from Department of SAIF/CIL respectively, followed by workshop on sophisticated analytical instruments; FTIR, XRD and NMR. A total of 30 students from B.Sc. and M.Sc. Chemistry along with 3 faculty members participated in the same. The sessions were very enriching as these analytical instruments are the powerful tools in analytical research these days.

Activity at a Glance

 <p style="text-align: center;">MCM Vigyan Manch of Mehr Chand Mahajan DAV College for Women Sector 36-A, Chandigarh is organizing</p> <p style="text-align: center;">Department of Science & Technology & Renewable Energy, Chandigarh sponsored Field Visit-cum-Workshop on Sophisticated Analytical Instrumentation from 24 February 2022 to 25 February 2022 at Sophisticated Analytical Instrumentation Facility & Central Instrumentation Laboratory Panjab University, Chandigarh under the aegis of Synergistic Training Program Utilizing the Scientific & Technological Infrastructure to mark the celebration of Science Week</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  Patron Dr Nisha Bhargava Principal Mehr Chand Mahajan DAV College for Women </div> <div style="text-align: center;">  Chief Patron Prof Renu Vig Dean University Instructions Panjab University </div> <div style="text-align: center;">  Patron Prof G R Chaudhary Director SAIF / CIL Panjab University </div> </div>	<p style="text-align: center;">Programme Schedule 24 February 2022</p> <p>10:30 am to 10:35 am Welcome address by Prof. G.R. Chaudhary</p> <p>10:35 am to 10:45am Inaugural address by Prof. Renu Vig</p> <p>10:45 am to 10:55 am Overview of Mehr Chand Mahajan DAV College for Women by Dr. Nisha Bhargava</p> <p>10:55 am to 11:00 am Vote of thanks by Er. H.P.S. Kang</p> <p>11:00 am to 11:30 am Lecture on UV-Vis Spectroscopy and applications by Dr. Shailendra Singh Khichi</p> <p>11:30 am to 12:00 noon Lecture on NMR basics and applications by Dr. Rohit Sharma</p> <p>12:00 noon onwards Hands-on workshop on UV-Vis Spectroscopy and NMR</p> <p style="text-align: center;">25 February 2022</p> <p>10:00 am to 10:30 am Lecture on FTIR Spectroscopy by Dr. Shailendra Singh Khichi</p> <p>10:30 am to 11:00 am Lecture on X-ray Diffraction by Dr. Navneet Kaur</p> <p>11:00 onwards Hands-on workshop on X-ray Diffraction and FTIR Spectroscopy</p> <p style="text-align: center;">Convener Er. H.P.S. Kang Associate Professor, SAIF/CIL & UCIM, Panjab University</p> <p style="text-align: center;">Co-Convener Dr. Shefali Dhiman P.G. Dept of Chemistry, Mehr Chand Mahajan DAV College for Women</p> <p style="text-align: center;">Coordinator Dr. Shafila Dept of Env. Sc, Mehr Chand Mahajan DAV College for Women</p>
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5. NATIONAL WEBINAR ON “COMBATTING CYBERCRIME DURING COVID19”

Date: 25th February 2022

Organized by: Department of Computer Science and Applications

Event Co-convener: Ms. Vandana Syal

Event coordinators: Dr. Ritika Bansal, Ms. Manmeet Kaur, Ms. Sonali Mehndiratta

Number of participants: 114 students and 8 faculty members

Resource Person: Sh. Arun Soni, Director TCCS Author, Cyber Security Trainer, Certified Ethical Hacker (CEH) & Limca book of Records holder.

Department of Computer Science and Applications under the aegis of MCM Vigyan Manch, organized National Webinar on “Combatting Cybercrime during Covid19”. This National Level Webinar was sponsored by Department of Science and Technology and Renewable Energy, Chandigarh Administration. The Resource Person for this webinar, Sh. Arun Soni is an internationally acclaimed author and cybersecurity expert from Chandigarh. The selection of this topic was very relevant as aftereffects of Covid-19 pandemic were being felt in communities across the world in the form of severe to moderate lockdowns, which compelled many people to be confined at home with many hours to spend online each day and increasingly rely on the Internet for accessing services which they otherwise obtain offline. The more vulnerable segments of the population, such as students required to spend maximum time online for services such as school, college, and university education. This seismic change in how people live their lives and use the Internet has prompted a proliferation of cyber-crimes. With an increasing number of countries encouraging citizens to stay, learn or work from home, it has become very pertinent to focus on combatting cybercrimes.

Sh. Arun Soni discussed techniques to strengthen passwords, maintain router security, avoid spoofed emails, check IP addresses, use secured websites and Play Store Apps so that an effective response in combatting cybercrimes can be given. This session also generated awareness among participants about how to make secure transactions by not sharing their OTPs and passwords. He further elaborated keylogging and QR based free software used by cyber criminals to allure people. He stressed upon the need to keep safe from Cybercrimes at home or workplace. Overall the session was very informative.

Activity at a Glance



Mehr Chand Mahajan DAV College for Women
Sector 36-A, Chandigarh
www.mcmdivyvmachd.edu.in
Under the aegis of MCM Vigyan Manch
Department of Computer Science & Applications
Organizes
National Webinar
On
Combating Cybercrime During Covid-19
Sponsored by
Department of Science & Technology & Renewable Energy

Date:
Friday,
25th Feb, 2022
Time:
11:00 A.M.

Resource Person

Mr. Arun Soni,
Director, TCCS,
Cyber Security Trainer,
Certified Ethical Hacker (CEH) &
Linux Tech of Records Holder

Registration
Registration is open at the link:
<https://forms.gle/9Lq89HjwZag1n1e7>

Last Date of Registration
23-Feb-2022

GENERAL INSTRUCTIONS FOR THE PARTICIPANTS

- ◆ Enter your Full name in User Name field for maintaining participation record.
- ◆ The session will begin at 11:00 a.m. sharp.
- ◆ Join the session 10 minutes prior to the scheduled time.
- ◆ Google Meet Link and WhatsApp group invite will be sent through email provided at the time of registration.
- ◆ Attendance /Feedback Form will be shared in the Chat box during the webinar.
- ◆ A group photo will be taken at the conclusion of the session.
- ◆ For any query, email at dcsa@mcm@gmail.com

Dr. Nisha Bhargava
Convener & Principal

Dr. Indu Arora
(Co-Convener & Head, DCSA)

Dr. Riika Bansal
Ms. Manmurti Kaur
Ms. Sonali Mehndiratta
(Coordinators)

Ms. Vandana Syal
(Co-Convener)

Science Week concludes at MCM
March 02, 2022 03:00 PM

MEHR CHAND MAHAJAN DAV COLLEGE FOR WOMEN, CHANDIGARH
Science Week Celebrations

The Science Week celebrations at Mehr Chand Mahajan DAV College for Women, Chandigarh culminated with a webinar by the Postgraduate Department of Mathematics on the topic 'Wonders of Mathematics'. Dr. Neela Pawar, Head of the Department conducted this interesting webinar that shed light on the presence and application of mathematics in our daily lives including nature, art, architecture and so on. Earlier, on day 4 of the Science Week, the Department of Computer Science and Applications organised a national webinar on 'Combating Cybercrime During Covid-19'. The resource person for this webinar was Mr. Arun Soni, Director, TCCS, Author, Cyber Security Trainer, and Certified Ethical Hacker, who enlightened the participants about various possible courses of action as a response to cybercrime. The Department of Food Science, on day 5, organised a webinar on 'How to Transform an Innovative Idea into a Technology' by Dr. Rohit Sharma, Chairperson, Department of Microbial Biotechnology and Chief Coordinator, EYUVA, Panjab University and Project Leader BioNEST, Panjab University, Chandigarh. Dr. Sharma stressed on empowering youth for undertaking value added innovative translational research and made the students aware about various grants given to undergraduate level by national and international agencies during Pre-Incubation and Post-Incubation level of research. The Science Week celebrations, held under the aegis of MCM Vigyan Manch and sponsored by Department of Science and Technology and Renewable Energy, Chandigarh Administration, was a huge success as it received overwhelming response from the students as well as academia. Principal Dr. Nisha Bhargava lauded the efforts of the Science Departments to pay a befitting tribute to Sir C V Raman through enriching webinars and activities that equipped students with knowledge about the latest in the field of Science. She added that promotion of scientific temper and motivating the youth to take up scientific research is imperative for a nation's progress.

6. ONLINE DECLAMATION CONTEST ON THE THEME- 'IS ANIMAL TESTING JUSTIFIED?'

Date: 26.02.2022

Organized by: Department of Zoology

Event coordinators: Dr. Neetu & Dr. Sarabjeet

Co-coordinators: Dr. Divya Sharma, Ms. Kadambari Pathania, Ms. Madhu Bala

Number of participants: 30

The department of Zoology in collaboration with MCM Eco-club 'Parivesh' organized an online declamation contest on the theme- 'Is animal testing justified?' on 26.02.2022. The use of animals in scientific research has long been the subject of heated debate. Students of undergraduate and postgraduate courses were motivated to participate and send their entries in the form of video recordings. 30 participants from various colleges sent their declamation recordings and presented their arguments for and against the use of animals in the laboratory. All the participants were given participation certificates. Winners were awarded with cash prizes.

First Prize (Rs. 1500/-): Ms. Himani Chandel, Sri Guru Gobind Singh College, Sector-26, Chandigarh.

Second Prize (Rs. 1000/-): Ms. Bhavika Mehta, Mehr Chand Mahajan DAV College for Women Sector 36A, Chandigarh.

Third Prize (Rs. 500/-): Ms. Naitik, Post Graduate Government College for Girls, Sector-11, Chandigarh

Activity at a Glance



Himani Chandel
First Prize



Bhavika Mehta
Second Prize



Naitik
Third Prize

7. WEBINAR ON “HOW TO TRANSFORM AN INNOVATIVE IDEA INTO A TECHNOLOGY”

Date: 26.02.2022

Organized by: Department of Food Science

Event coordinators: Dr. Vandana Sharma, Dr. Gurpreet Kaur, Dr. Anila Negi

Number of participants: more than 150 students

Dr. Rohit Sharma, Chairperson, Department of Microbial Biotechnology and Chief Coordinator and Project Leader, EYUVA and BioNEST, Panjab University, Chandigarh, elucidated the defined business model strategic market reaching route and idea formulation assessment and market validation. The focus areas were Bioprocess Technology, Biopharmaceuticals, Food and Agriculture. He stressed on empowering youth for undertaking value added innovative translational research. He briefly outlined the Bio-Economy Ladder, 01 stage- Exploratory Meeting, 02 stage- Pre incubation launch pad, 03 stage- Incubation. Dr. Rohit Sharma motivated the students for undergoing society beneficial research and ideation

to reality creation. He explicated the salient features of Technology Readiness Levels (TRL). He informed the students about grants given by National and International Agencies during Pre-Incubation and Post-Incubation level of research.

Activity at a Glance

**Mehr Chand Mahajan DAV College for Women
Sec 36-A, Chandigarh**

Department of Food Science
Under the aegis of MCM VIGYAN MANCH
is organizing
A WEBINAR
ON
HOW TO TRANSFORM AN INNOVATIVE IDEA INTO A TECHNOLOGY

Sponsored by
Department of Science & Technology & Renewable Energy, Chandigarh Administration
Mark your calendar for
26TH FEBRUARY 2022
Eminent & Expert Speaker for the day

Dr. Rohit Sharma
Chairperson
Department of MICROBIAL BIOTECHNOLOGY
&
Chief Coordinator & Project Leader
Cluster Innovation Centre in Biotechnology & BioNEST
Panjab University, Chandigarh-160014, India

Prior registration is mandatory. Click below to register before 25th February 2022.
<https://forms.gle/6rhPuUeIdqmbwKZ>
E-Certificate will be awarded to the registered participant after completion of Webinar.
Google Meet Link: <https://meet.google.com/sdg-azmi-ntn>

Coordinators
• Dr. Vandana Sharma • Dr. Sandeep Kaur • Dr. Indu Arora
• Dr. Gurpreet Kaur • Dr. Deepika Malik • Dean Sciences & Incharge
• Dr. Anila Negi • Dr. Kirti Singla • MCM Vigyan Manch • **Dr. Nisha Bhargava**
(Convener and Principal)

Pre-incubation Incubation Post incubation

Pre incubation capacity building platform

Value proposition; funding support; technology support

Networking; business valuation; team building; market expansion

Virtual support

Dr. Nisha Bhargava
Principal
Mehr Chand Mahajan DAV College for Women,
Chandigarh

8. WEBINAR ON “WONDERS OF MATHEMATICS”

Date: 28.02.2022

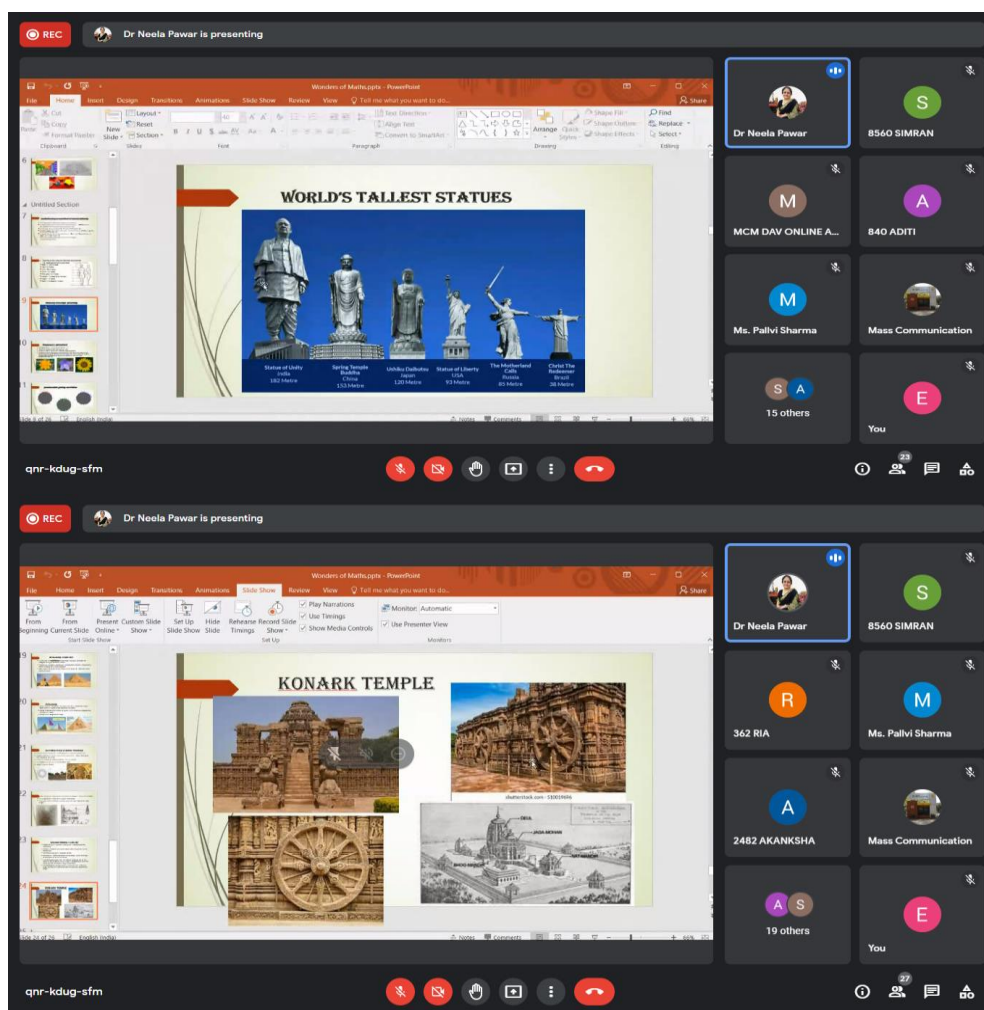
Organized by: PG Department of Mathematics

Event coordinators: Dr. Swati Sidana, Dr. Sonica, Dr. Nisha Sharma

Number of participants: More than 100 students

PG Department of Mathematics organized a webinar on **“Wonders of Mathematics”** on February 28, 2022. Dr Neela Pawar, Head, Post Graduate Department of Mathematics, Mehr Chand Mahajan DAV College for Women, Chandigarh, was the resource person. She talked about how mathematics is an integral part of our life. At ancient time, when this modern form of mathematics was not there, even then the construction of Temples, Statues, Taj Mahal, Qutub Minar etc. was based on Mathematics. She described the presence of mathematics in nature. An overwhelming participation of over 100 students made the webinar highly successful. The speaker shed light on various important facets of Mathematics. The main objective of the talk was to sensitize the students to see mathematics around them and to give them a flavor of ancient time mathematics. To make them aware about how the other sciences are incomplete without Mathematics. The inquisitive young minds put forth their queries that were suitably addressed by the expert at the end of the lecture. Participants gave excellent feedback of the session and appreciated the resource person’s interactive and simple way of putting things across.

Activity at a Glance



Mehr Chand Mahajan DAV College for Women, Chandigarh



9. NATIONAL LEVEL ONLINE POWER POINT PRESENTATION COMPETITION ON THE THEME- 'INNOVATIONS THAT DEFINE MODERN INDIA'

Date: 28.02.2022

Organized by: Department of Computer Science and Applications

Event coordinators: Ms. Sandeep Kaur & Ms. Sonali Mehndiratta

Number of participants: 28 students

National Level Online Power Point Presentation competition sponsored by Department of Science & Technology & Renewable Energy was organized by Department of Computer Science & Applications under the aegis of IIC 4.0 and MCM Vigyan Manch of Mehr Chand Mahajan DAV College for Women, Chandigarh on February 28, 2022. A total of 63 students registered and 28 presented their PPT through Google Meet and YouTube live streaming platform. Dr Indu Arora, Ms Punam Dawgotra and Dr Ritika Bansal adjudged the event.

Participants emphasized on the Innovations that define the modern era of India and its importance for the growth of the economy. Students explained various real-life examples such as “Solar Trees”, “e-Bicycles”, low-cost wind turbines, and self-repairing road, etc. They focused on the innovations which have the potential to dramatically impact the way people live. Also, few students related Innovation to environment and presented insightful topics such as “Evigreen Edible Bags”. One of our daily life applications that was quite used in Covid-19 “Aarogya Setu” App was also presented by one participant. USB Cables which are used by most of IT Industry people and even in our daily life was also explained.

The session provided a thorough insight to the students on the meaning and relevance of

“Innovations that Define Modern India”. Further, various real-life examples were presented by the participants. The students actively participated in the session and found the session very interesting and informative. Overall, the session was very interactive and insightful. It was well-received by the participants. The session equipped the students with the know-how to materialize their ideas of Start-Up and Entrepreneurship in Computer Industry which will help them pitch their proposals at various platforms. The following is list of winners of the competition:

First Prize (Rs. 1500/-): Mr. Gautam, Panjab University, Chandigarh.

Second Prize (Rs. 1000/-): Mr. Keshav, Chandigarh Group of Colleges, Landran.

Third Prize (Rs. 500/-): Ms. Gurmani Kaur, Khalsa College for Women, Civil Lines, Ludhiana.

Consolation: Angellina Gill, Mehr Chand Mahajan DAV College for Women, Sector-36, Chandigarh

Activity at a Glance

Mehr Chand Mahajan DAV College for Women
Sector 36-A, Chandigarh
www.mcmandavcwchd.edu.in

Under the aegis of Institution's Innovation Council (4.0)
Department of Computer Science and Applications
organizes
National Level Online PowerPoint Presentation Competition
on
"Innovations that Define Modern India"
Sponsored by
Department of Science & Technology & Renewable Energy
Chandigarh Administration
on
28th February 2022, 11:00 A.M. onwards

Guidelines for the participants:

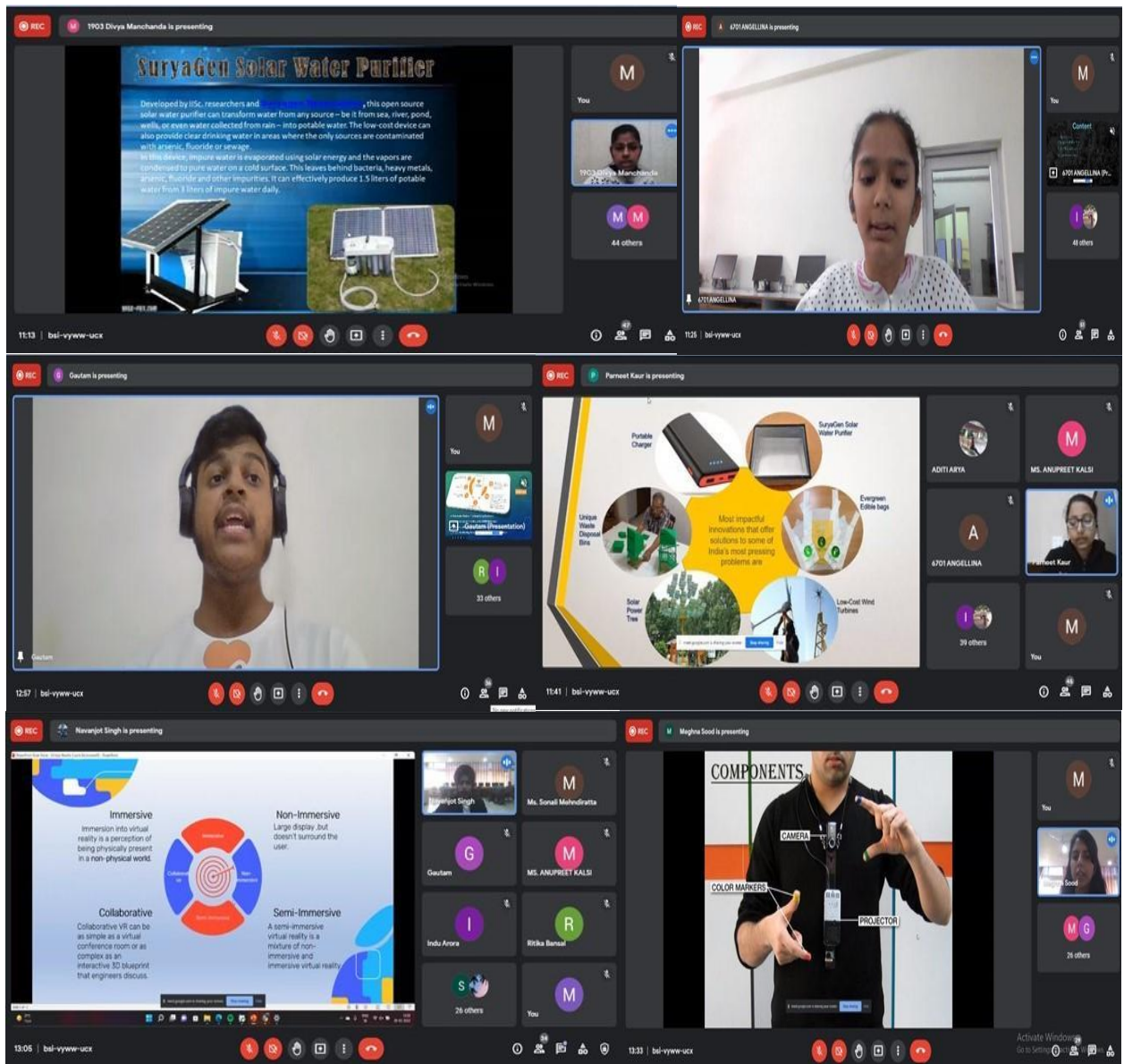
- This competition is open for all students irrespective of their course.
- Multiple entries are allowed from single institution with team size of one participant.
- Participants can make maximum 8-12 slides.
- Presentation time is 5-7 minutes.
- NOTE: Participant's Institution Name/ Affiliation shall not be disclosed either in PPT or while presenting your slide.
- Theme "Innovations that Define Modern India". For example- Electric cycle, Portable Chargers, Solar Power Tree etc.
- Cash prizes will be given to first three position holders.
- **Last date for registration: 26th February, 2022.**
- **Participants are to upload their presentation latest by 27th February, 2022 04:00 P.M.**
- For any query, email at dcsamcm@gmail.com.

Prizes:
1st Prize: Rs. 1500/-
2nd Prize: Rs. 1000/-
3rd Prize: Rs. 500/-

Coordinators: Ms Manmeet Kaur, Ms Sandeep Kaur, Ms Sonali Mehdiratta

Vice President, IIC@MCM & Head, DCSA: Dr Indu Arora

President (IIC@MCM) & Principal: Dr Nisha Bhargava





MCM Vigyan Manch



SCIENCE WEEK CELEBRATION

22-28 February 2022

**Mehr Chand Mahajan DAV College for Women
Sector-36A, Chandigarh**