

Report of Physics Department

(2021-22)



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

www.mcmdavcwchd.in

Annual Report of Department

Session 2021-22

1. **Name of the Department:** Physics
2. **Names of Programmes/Courses offered (UG, PG, M.Phil, Ph.D, Integrated Masters etc.)**
 - i. B.Sc. Non medical
 - ii. B.Sc. Vocational
 - iii. B.Sc. Physics Hons.

3. Faculties during session 2021-22

1. Dr. Renu Bala (HOD)
2. Dr. Runjun Sarma
3. Dr. Pallavi Gupta
4. Dr. Swati Khatta
5. Dr. Ishita Sharma
6. Dr. Gurjit Kaur
7. Dr. Sandeep Kaur

4. **Details of Publications by the Faculty in the session: (Hard Copies of the Title Page of the Journal/Contents and First page of the Paper to be collected by the HODs)**

Permanent Faculty/ Contractual faculty	Title of Paper	Title of the Journal with ISSN	Month/ Year	PEER Review ed/ Referee d	UGC/C ARE Enlisted (Yes/No)	URL
Dr.Runjun Sarma	Conjugation of curcumin with Ag nanoparticle for improving its bioavailability and study of the bioimaging	Nanosystems: Physics, Chemistry, Mathematics	August 2021	PEER Reviewe d	Yes	http://nanojournal.ifmoru/en/wp-content/uploads

	response					/2021/08/NPC M124P 528-535.pdf
Dr. Runjun Sarma	Novel gold nanoparticle-protein-semiconductor quantum dot hybrid system: synthesis, characterization and application in cancer cell imaging	Nanosystems: Physics, Chemistry, Mathematics	December 2021	PEER Reviewed	Yes	http://nanojournal.ifmoru/en/wp-content/uploads/2021/12/NPC M126P 749-762.pdf
Dr. Ishita Sharma	Fusion dynamics of $^{16}\text{O} + ^{72,76}\text{Ge} \rightarrow ^{88,92}\text{Zr}$ Reactions using Skyrme Energy Density Formalism	Journal of Physics: Conference Series 1742-6596	22/04/2022	Peer Reviewed	Yes	https://iopscience.iop.org/article/10.1088/1742-6596/2267/1/012090/pdf

5. Details of Publication of Books/Chapters in Books by the Faculty in the session (Hard Copies of the Title Page of the Journal/Contents and First page of the Paper/Book to be collected by the HODs)

Permanent Faculty/ Contractual faculty	Title of Book	Month/ Year	Name of the Publisher	National/ International	ISBN
Dr Renu Bala	Statistical Physics I	2021	Mahindra Publishing House	National	978-93-90758-27-2
Dr Renu Bala	Statistical Physics II	2022	Mahindra Publishing House	National	978-93-90758-72-2
Dr. Pallavi Gupta	Condensed Matter Physics -I	May 2021	Mahindra Publishing House	National	978-93-90758-37-1
Dr. Runjun Sarma	Vibrations, Waves & EM Theory-I	May 2021	Mahindra Publishing House	National	978-93-90758-32-6
Dr. Swati Khatta	Mechanics-I	May 2021	Mahindra Publishing House	National	978-93-90758-28-9
Dr. Ishita Sharma	Nuclear and Particle Physics-I	May 2021	Mahindra Publishing House	National	978-93-90758-42-5
Dr. Runjun Sarma	Vibrations, Waves & EM Theory-II	Jan 2022	Mahindra Publishing House	National	978-93-90758-80-7

Dr. Swati Khatta	Mechanics-II	Jan 2022	Mahindra Publishing House	National	978-93-90758-73-9
Dr. Ishita Sharma	Nuclear and Particle Physics-II	Jan 2022	Mahindra Publishing House	National	978-93-90758-71-5

6. List of eminent Academicians and Scientists/ visitors to the department:

- **Dr. Manas Kulkarni**, Research Scientist at International Centre for Theoretical Sciences (ICTS), Bangluru delivered an educational lecture on **21st May, 2022** entitled “*Engineering Exotic States of Light and Matter*”.
- **Dr. Daljeet Kaur** faculty at DAV University, Jalandhar talked about “*Basics of Quantum Physics and Quantum Computers*” on **21st May, 2022** .

Student Enrichment Programmes organized by the Department

7. Seminars/Conferences organized by the department in the session:

Kindly include the sponsoring/funding agency:

Event: Seminar/ Conferences (National/International)	Date	Title of the Event	Name of the Funding Agency	Funds Received	No. of Students benefited
Webinar	7 th January 2022	The journey of the semiconductor transistors and Moor’s Law	Mehr Chand Mahajn DAV College for Women, Sector 36, Chandigarh	Rs. 2000/-	50

Webinar	24 th February 2022	Emerging Topics and Opportunities in Physical Science	MCM Vigyan Manch Sponsored by Department of Science and Technology, Chandigarh	Rs. 2000/-	73
Webinar	7 th March 2022	Innovation in Nanotechnology	Women Development Cell.	Rs. 2000/-	82
Webinar	7 th March 2022	Role of women in Science	Women Development Cell	Rs. 2000/-	82
Webinar	14 th May 2022	Physics: Innovation- Startup- Entrepreneurship	Institutions Innovation Council (4.0), Mehr Chand Mahajan DAV College for Women	Rs. 2000/-	67
Seminar	21 st May, 2022	Basics of Quantum Physics and Quantum Computers	Mehr Chand Mahajn DAV College for Women, Sector 36, Chandigarh	Rs. 2000/-	153
Seminar	21 st May, 2022	Engineering Exotic States of Light and Matter	Mehr Chand Mahajn DAV College for Women, Sector 36, Chandigarh	Rs. 2500/-	153
Webinar	23 rd May , 2022	Awareness on IPR, IP Management and Legal Framework	Ministry of Commerce and Industry, Government of India	---	119

8. Skill-based Workshops/ Extension Lectures/Panel Discussions organized by the department in the session:

Title of the Workshop/ Extension Lectures/Panel Discussions	Date	Objective	No. of Students benefitted
Collage making competition	14 th December 2021	Save Energy, Save Future	35
Poster Making	14 th May 2022	Physics in everyday life	
Essay Writing	14 th May 2022	Women in Science	
Physics Quiz	14 th May 2022	Fundamentals of Physics & Science	
Power Point presentations	14 th May 2022	Indian Scientists and their contributions	
Innovative Working Models	17 th May 2022	----	
Scientific Rangoli	21 st May 2022	-----	

9. Projects/ Awards/Positions bagged by students:

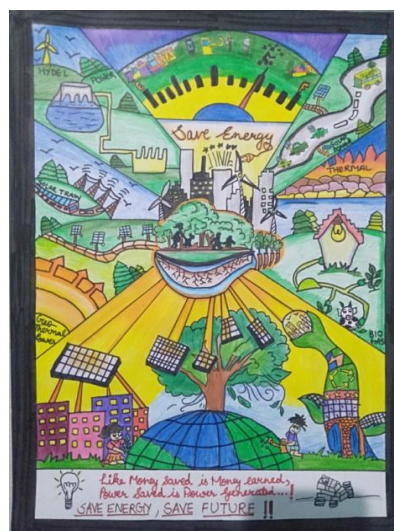
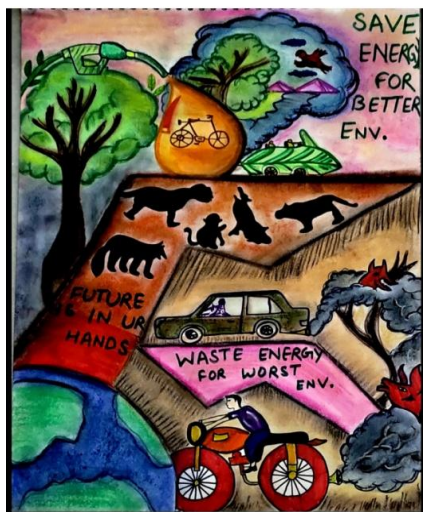
Event	1st position	2nd Position	3rd position	Consolidated
Poster making	Aditi B.Sc. I (NM)	Samridhi B.Sc. I (NM)	Jashanpreet Kaur B.Sc. I (NM)	-
Essay writing	Avneet B.Sc. I (Voc)	Ashneet B.Sc. I (Voc)	Harshdeep B.Sc. I (Voc)	-
Physics Quiz	Shruti, Harsha Saini, Preeti, Farhat Khan B.Sc. II (NM)	Tamanna, Jahnvi, Kamanshi B.Sc. II (NM)	Simran Kaur, Pooja, Rizul Singla, Aditi Aggarwal, Diksha B.Sc. II (NM)	-
PPT making	Tushar B.Sc. II (Voc)	Manya B.Sc. II (Voc)	Kavita B.Sc. II (Voc)	-
Innovative working model	Supreet Kaur, Harsimran, Ravneet, Isha	Isha, Tanya, Anjali, Garima B.Sc. III (NM)	Arushi, Dainty, Harneet, Khushboo B.Sc. III (NM)	Annaya, Yukta, Aditi, Varnika,

	Gupta B.Sc. III (NM)			Mehaknoor, simran, bhavna, nitika, Komoljoot B.Sc. III (NM)
Rangoli Making	Gurnoor, Aditi, Mansi B.Sc. III (Voc)	Ritika, Ramanpreet B.Sc. III (Voc)	Tanu, Navneet, Sakshi B.Sc. III (Voc)	-

10. Activities by Department of Physics in 2021-22

Collage making competition on the theme “Save Energy, Save Future” (14 December 2021)

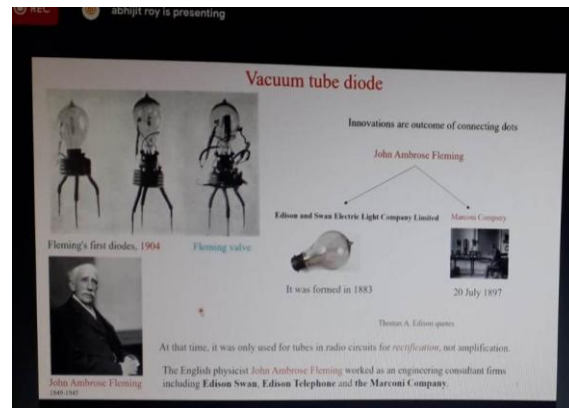
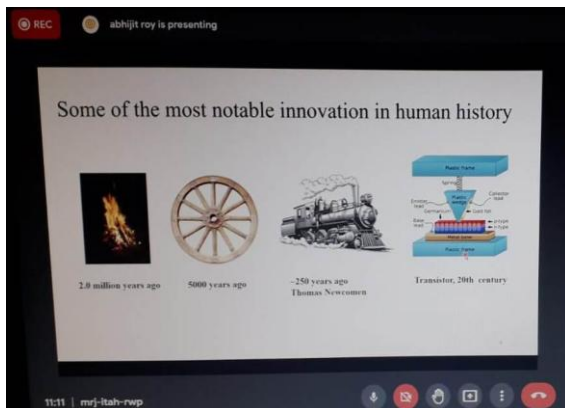
Department of Physics in collaboration with Innovation Council 4 and Renewable Energy committee of Mehr Chand Mahajan DAV college for Women, Sector 36, Chandigarh organized a Collage making competition on the theme “Save Energy, Save Future” on 14/12/2021. In this, students mentioned several ways for minimize the use of energy for better healthy environment. Students pointed that using natural light, wind energy, switching off unnecessary electrical equipments, solar energy, plantation, car pooling, using bicycle for short distance commuting and many more methods can make a path for the green earth. Around 35 students of B.Sc Medical and Non-Medical and vocational participated in this competition and shared their innovative ideas for saving the energy and protecting the environment for future generations. Garima from B.Sc III NM stood first, Umang of B.Sc III Nm as second and shreya from B.SC Nm I bagged third position.

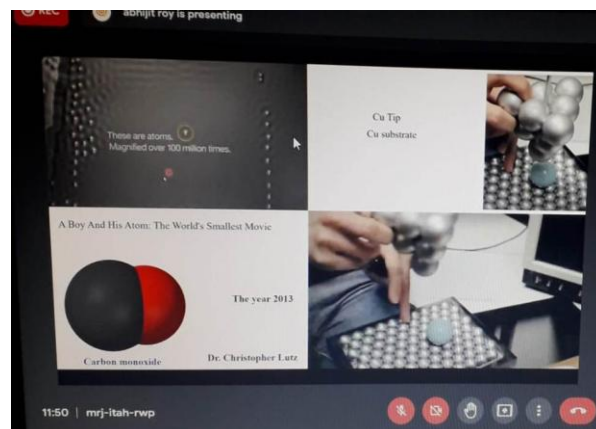
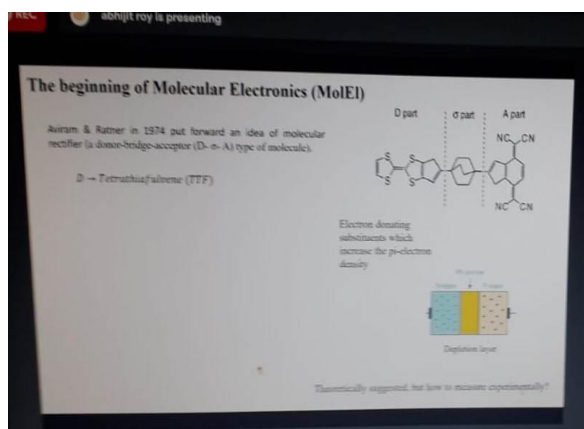




Webinar On the Topic “Journey of The Semiconductor Transistors and Moor’s Law (7 January 2022)”

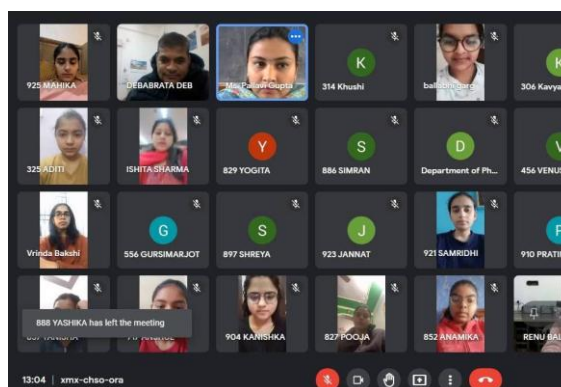
Considering the importance of this electronic component with respect to the present scenario, an online webinar on the topic “The journey of the semiconductor transistors and Moor’s Law” was organized by Department of Physics, Mehr Chand Mahajn DAV College for Women, Sector 36 Chandigarh on 07/01/2022. The resource person of the webinar was Dr. Abhijit Chandra Roy, Department of Physics, Indian Institute of Science, Bangalore, India. He had given a detailed explanation on the journey of semiconductors, from vacuum tubes, diode, and triode to the present semiconductor systems. He has also introduced the concept of molecular electronics to the audience, where molecules are used as the primary building block for electronic circuits. This new electronic system is expected to replace the traditional semiconductor electronics devices. Total 50 students of B.Sc. (1st, 2nd, 3rd year) and 6 staff members participated in the webinar. Students got opportunity to widen their horizon regarding semiconductor transistors and got motivated for future research in this area. The webinar will go a long way in educating the audience on the key features of semiconductor transistors.

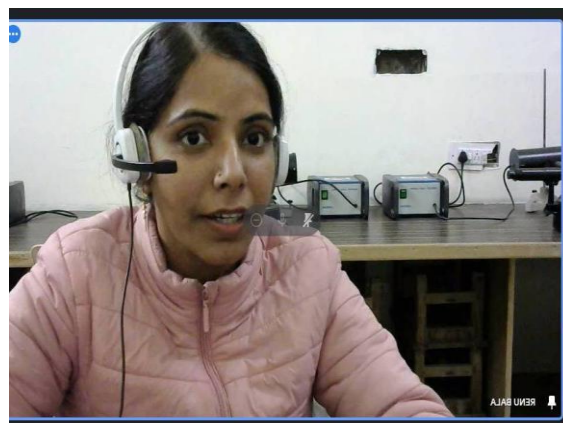




Webinar on “Emerging Topics and Opportunities in Physical Science (24 February 2022)

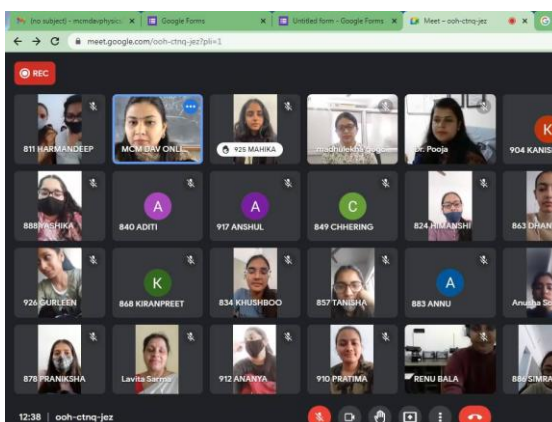
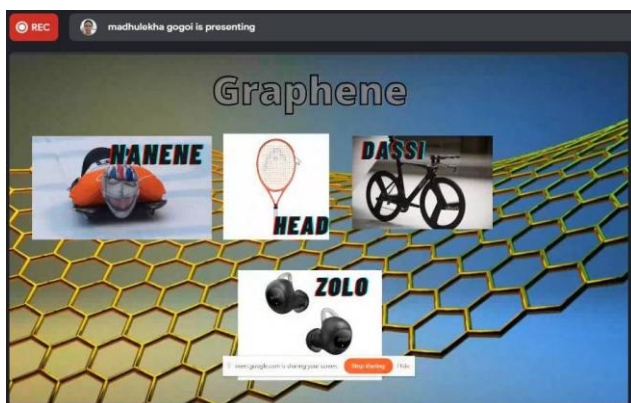
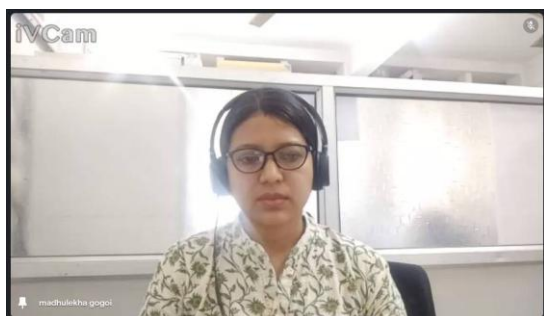
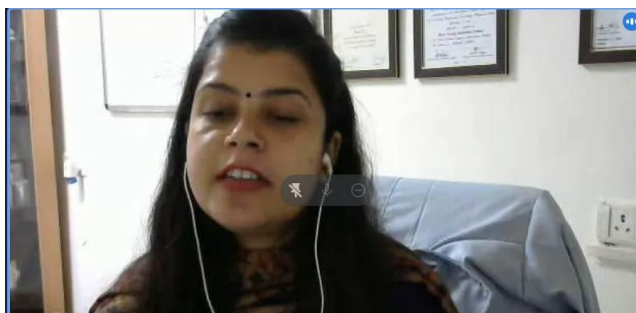
Department of Physics, Mehr Chand Mahajan DAV College for Women, under the aegis of MCM Vigyan Manch Sponsored by Department of Science and Technology, Chandigarh organized an online Webinar on “Emerging Topics and Opportunities in Physical Science on 24/2/2022. Dr. Debabrata Deb Assistant Professor, Assistant Professor, School of Physics and Material Science, Thapar Institute of Engineering and Technology, Patiala, resource person provides information regarding emerging topics for research in physical 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. About 73 students and 6 faculty members joined the session. Student learned about new opportunities and various funding schemes available after graduation and post graduation.





National Webinar on “Nanotechnology: Innovation and Role of Women (7 March 2022)

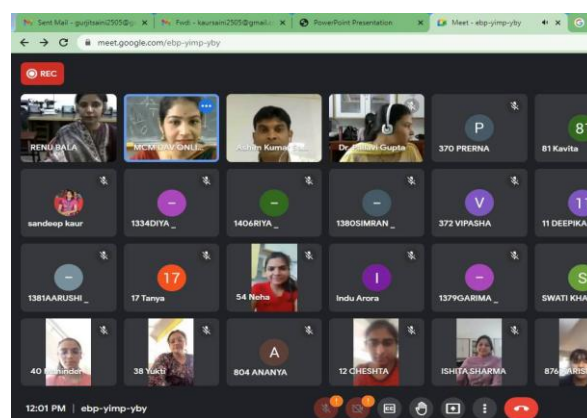
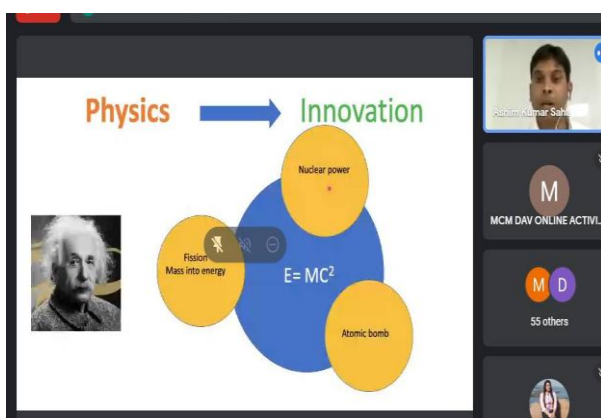
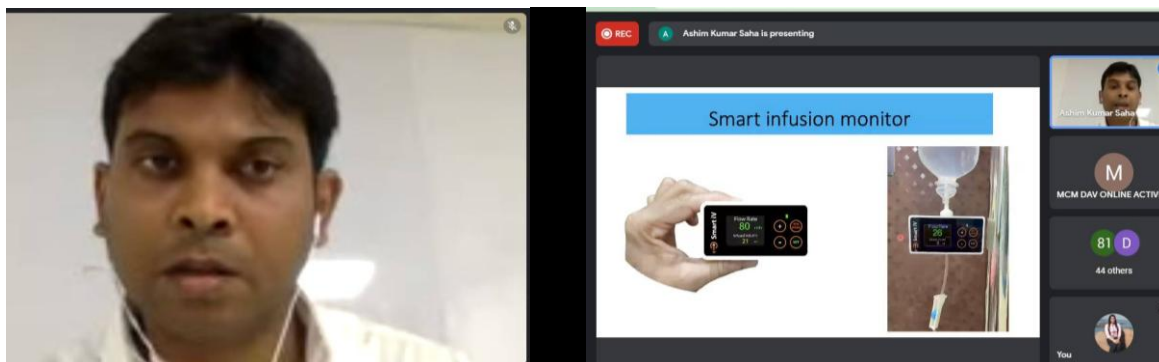
Department of Physics with the collaboration of women development cell organized an online National webinar to celebrate the International Women’s day on 07/03/2022. The resource persons were Dr. Pooja Devi, Principle Scientist, CSIR–Central Scientific Instruments Organisation (CSIR–CSIO), Chandigarh and Dr. Madhulekha Gogoi, DST- Women Scientist, CSIR-North East Institute Of Science And Technology (CSIR–NEIST), Assam. Dr. Pooja Devi, the resource person inspired the young emerging females to take research and development as their career and motivated them by showing examples of several eminent women personalities working in different scientific areas. The reasons and measures for removing gender biasing were highlighted. Moreover, she highlighted the various government schemes that are made for the upliftment of females in India. Apart from this, second speaker Dr. Madhulekha Gogoi introduced the concept of nanotechnology including their properties, uses and applications. She has elaborated many innovations used in daily life in nanotechnology innovated so far. Nanotechnology is an emerging topic for research and development area for the students. About 140 people registered and around 82 members joined the session. Student got inspired for achieving big goals in their life, learned about new opportunities and various funding schemes available after graduation and post graduation. Dr. Nisha Bhargava, Principle, Mehr Chand Mahajan DAV College for Women brought attention to issues such as gender equality, reproductive rights, violence and abuse against women.



Webinar on ‘Physics: Innovation-Startup-Entrepreneurship’ (14 May 2022)

Department of Physics under the aegis of Institutions Innovation Council (4.0), Mehr Chand Mahajan DAV College for Women organized an online webinar, on the topic “Physics: Innovation-Startup-Entrepreneurship” on 14th May, 2022 for B.Sc. students. The speaker for the webinar was Dr. Ashim Saha, Co-Founder and Chief Operating Officer, Navariti Innovation, Hyderabad, Telangana and And Director & Co-founder of Tervis Medical Systems Pvt. Ltd., Hyderabad, Telangana. The webinar shaded light on the role of Physical science in

evolution of modern technology. Students participated in the seminar learn about investigating the structure and dynamics of physics entrepreneurship and understanding some of the factors that lead to the success or failure of new startups, including funding, technology transfer, business models etc. Total 76 participants have participated the webinar including 67 students and 9 teachers.



MCM holds webinars on Innovation and Entrepreneurship in Physics and IPR

The Aman Sandesh Times Network

Mehr Chand Mahajan Day College for Women, Chandigarh
Webinars on 'Physics, Innovation, Startup & Entrepreneurship' & 'Awareness on IPR, IP Management & Legal Framework'

Chandigarh: In collaborative endeavours aiming to promote innovation and entrepreneurial acumen in the discipline of Physics, the Department of Physics under the aegis of Institution Innovation Council (IIC) of Mehr Chand Mahajan DAV College for Women, Chandigarh, organised webinars on 'Physics: Innovation, Startup and Entrepreneurship' and 'Awareness on IPR, IP Management and Legal Framework'.

Dr. Ashim Saha was the speaker for the webinar on 'Physics: Innovation, Startup and Entrepreneurship' and for 'Awareness on IPR, IP Management and Legal Framework' speaker was Mr. Nitish Agarwal.

Dr. Ashim Saha shed light on the role of Physical Science in the evolution of modern technology; the structure and dynamics of start-up based on Physical Science and the key skills required to be a successful entrepreneur. A total of 76



participants participated in the webinar.

During the webinar on 'Awareness on IPR, IP Management and Legal Framework', Mr. Nitish Agarwal highlighted the importance of patents in today's innovative world.

The participants got to know about the different types of intellectual property rights and why awareness on IP rights is absolutely crucial for inventors and speaker familiarised participants with the concept and importance of patents, trademarks, geographical indicators and some legal cases.

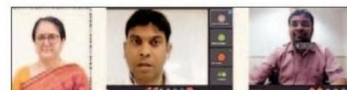
Over 127 participants benefited from the webinar.

Principal Dr. Nisha Bhargava highlighted the significant role of Physics in bringing about major breakthroughs and new technologies in research and development including different areas such as medical devices, alternative energy sources, communications, etc., and expressed appreciation for these meaningful initiatives to promote innovation in this important discipline.

MCM holds webinars on Innovation and Entrepreneurship in Physics and IPR

CHANDIGARH, JUNE 17

In collaborative endeavours aiming to promote innovation and entrepreneurial acumen in the discipline of Physics, the Department of Physics under the aegis of Institution Innovation Council (IIC) of Mehr Chand Mahajan DAV College for Women, Chandigarh, organised webinars on 'Physics: Innovation, Startup and Entrepreneurship' and 'Awareness on IPR, IP Management and Legal Framework'. The speaker for the webinar on 'Physics: Innovation, Startup and Entrepreneurship' was Dr. Ashim Saha, Co-Founder and Chief Operating Officer, Navariti Innovation and, Director and Co-Founder, Tervis Medical Systems Pvt. Ltd., Hyderabad, Telangana, and for 'Awareness on IPR, IP Management and Legal Framework' was Mr. Nitish Agarwal, Examiner of Patents and Designs, Office of the Controller General of Patents,



Designs and TradeMarks, Ministry of Commerce and Industry, Government of India. Dr. Ashim Saha shed light on the role of Physical Science in the evolution of modern technology, the structure and dynamics of start-up based on Physical Science and the key skills required to be a successful entrepreneur. A total of 76 participants participated in the webinar. During the webinar on 'Awareness on IPR, IP Management and Legal Framework', Mr. Nitish Agarwal highlighted the importance of patents in today's innovative world. The participants got to know about the different types of intellectual property rights and why awareness on IP rights is absolutely crucial for inventors. The speaker familiarised participants with the concept and importance of patents, trademarks, geographical indicators and some legal cases. Over 127 participants benefited from the webinar. Principal Dr. Nisha Bhargava highlighted the significant role of Physics in bringing about major breakthroughs and new technologies in research and development including different areas such as medical devices, alternative energy sources, communications, etc., and expressed appreciation for these meaningful initiatives to promote innovation in this important discipline. She lauded the consistent efforts of the IIC to systematically promote the culture of innovation and entrepreneurship among students.

Annual festival EUREKA-2022 (21 May 2022)

Department of Physics, Mehr Chand Mahajan DAV College for Women, under the aegis of Institution's Innovation Council organized annual fest "Eureka-2022" on 21st May, 2022. Following two resource persons delivered their valuable lecture in this event.

1. Dr. Manas Kulkarni, Research Scientist at International Centre for Theoretical Sciences (ICTS), Bangluru delivered an educational lecture on "Engineering Exotic States of Light and Matter".
2. Dr. Daljeet Kaur faculty at DAV University, Jalandhar talked about "Basics of Quantum Physics and Quantum Computers".

Invited speakers motivated our students regarding quantum theory and its applications in quantum computers, quantum communication etc. these talks helped them to gain effective knowledge regarding the upcoming research field and to pursue their career in other reputed institutions. Along with these talks, graduate students also participated in several events.

1) Poster Making: The Students of B.Sc – I (Non -Medical) have participated in the poster making event based on the topic "Physics in everyday life." The posters are handmade only and impart full information about the topic.

2) Essay Writing: The students of B.Sc-I (Vocational) have participated in the essay writing competition based on the theme "Women in Science".

3) Physics Quiz: The students of B.Sc-II (Non Medical) were the part of physics quiz which is based on the "Fundamentals of Physics & Science". Total 10 teams, each comprising of 5 students, have been participated the quiz and winner team was selected after three rounds of quiz.

4) Power Point presentations: The students of B. Sc-II (Vocational) took part in the power point presentation. The presentation was given on the topic of "Indian Scientists and their contributions". All the students impart their best knowledge in the presentation and winners were selected on the basis of their presentation, confidence level and speaking skills.

5) Innovative Working Models: The students from B. Sc-III (Non Medical) made innovative working model that are based on the principles, laws and fundamentals of physics. The models were submitted in working form and the demonstration was very well explained by the talented students.

6) Scientific Rangoli: The students of B.Sc- III (vocational) show their talent by drawing scientific rangoli, where they have demonstrated pros & cons of wireless communication, life on other planets, forces in nature, etc.

Total 139 undergraduate students of Non medical and Vocation courses attended this event along with 7 faculty members. College Principal Dr. Nisha Bhargava graced the event with her

presence by inaugurating the event. She has appreciated the interactive educational event as it impact more impact on students apart from regular studies and motivate them to pursue their career in scientific research.

एमसीएम डीएवी में छात्राओं ने बनाई वैज्ञानिक रंगोली

जासं, चंडीगढ़ : इंस्टीट्यूशन इनोवेशन काउंसिल के तत्वावधान में एमसीएम डीएवी कालेज फॉर वूमैन के भौतिकी विभाग ने वार्षिक उत्सव यूरेका-2022 का आयोजन किया। उत्सव का शुभारंभ प्रधानाचार्या डा. निशा भार्गव ने किया और भौतिकी विभाग के प्रयासों की सराहना की।

उन्होंने कहा की इस तरह के आयोजन विद्यार्थियों की रचनात्मकता को मंच देते हैं और उन्हें भौतिकी से अवधारणा, विधियों और मात्रात्मक दृष्टिकोण को लागू करने के लिए विचार-विमर्श के लिए प्रेरित करते

हैं। उन्होंने कहा कि इस तरह की गतिविधियां विद्यार्थियों के क्षितिज को व्यापक बनाने के लिए अनिवार्य हैं। इस अवसर पर आमंत्रित वक्ताओं में अंतरराष्ट्रीय सैद्धांतिक विज्ञान केंद्र बेंगलुरु में अनुसंधान वैज्ञानिक डा. मानस कुलकर्णी और डीएवी विश्वविद्यालय जालंधर के भौतिकी विभाग से डा. दलजीत कौर थे। फेस्ट के दौरान, विद्यार्थियों ने पोस्टर मेकिंग, पावर प्वाइंट प्रेजेंटेशन, निबंध लेखन, फिजिक्स क्विज, इनोवेटिव वर्किंग माडल और वैज्ञानिक रंगोली सहित विभिन्न प्रतियोगिताओं में भाग लिया।



चंडीगढ़ : सेक्टर-36 स्थित एमसीएम डीएवी कालेज फॉर वूमैन में आयोजित वार्षिक उत्सव यूरेका-2022 में रंगोली बनाती छात्राएं ●सौजन्य कालेज

MCM holds Eureka 2022



CHANDIGARH, JULY 4

The Physics Department of Mehr Chand Mahajan DAV College for Women, Chandigarh, under the aegis of the college's Institution Innovation Council, organised its annual fest Eureka 2022. Inaugurating the fest, Principal Dr. Nisha Bhargava lauded the Physics Department's endeavour to bring to fore the creativity of the students and prompting them to brainstorm for applicability of ideas, methods and quantitative approaches from physics. She added that such activities are imperative for

widening the horizons of the students.

Invited speakers on this occasion were Dr. Manas Kulkarni, Research Scientist, International Centre for Theoretical Sciences, Bengaluru and Dr. Daljeet Kaur, Department of Physics, DAV University, Jalandhar. Dr. Kulkarni delivered a lecture on 'Engineering Exotic States of Light and Matter' and Dr. Kaur talked about 'Basics of Quantum Physics and Quantum Computers'. Both the lectures intrigued the young audience and motivated them to pursue their career in scientific research.

वैज्ञानिक अनुसंधान में करियर बनाने के लिए किया प्रेरित

■ बच्चों की कई प्रतियोगिताएं भी करवाई

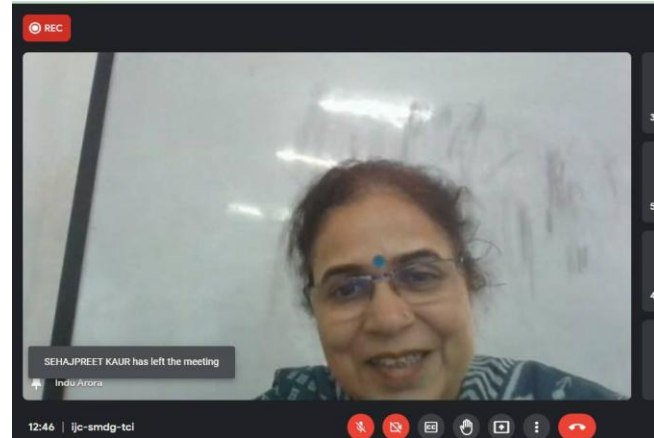
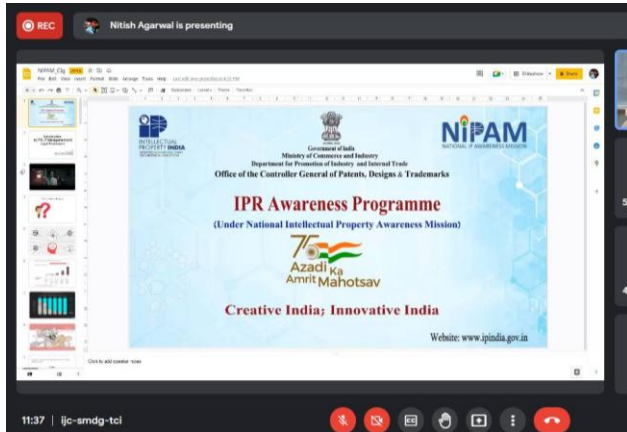


चंडीगढ़, 4 जुलाई (आशीष) : कॉलेज के इंस्टीट्यूशन इनोवेशन काउंसिल के तत्वावधान में सेक्टर- 36 स्थित मेहर चंद महाजन डी.ए.वी. कॉलेज फॉर वूमैन के भौतिकी विभाग ने वार्षिक उत्सव यूरेका 2022 का आयोजन किया। उत्सव का उद्घाटन करते हुए प्रधानाचार्या डा. निशा भार्गव ने भौतिकी विभाग के प्रयासों की सराहना की। उन्होंने कहा कि इस तरह की गतिविधियां विद्यार्थियों के क्षितिज को व्यापक बनाने के लिए अनिवार्य हैं। इस अवसर पर आमंत्रित वक्ताओं में अंतरराष्ट्रीय सैद्धांतिक विज्ञान केंद्र, बेंगलुरु में अनुसंधान वैज्ञानिक, डा. मानस कुलकर्णी, और डी.ए.वी. विश्वविद्यालय, जालंधर के भौतिकी विभाग से डा. दलजीत कौर थे। डा. कुलकर्णी ने इंजीनियरिंग एक्सोटिक स्टेट्स ऑफ लाइट एंड मैटर पर व्याख्यान दिया और डा. कौर ने बेसिक्स ऑफ क्वांटम फिजिक्स एंड क्वांटम कंप्यूटर्स के बारे में चर्चा की। दोनों व्याख्यानों ने विद्यार्थियों को आकर्षित किया और उन्हें वैज्ञानिक अनुसंधान में अपना करियर बनाने के लिए प्रेरित किया। फेस्ट के दौरान, विद्यार्थियों ने पोस्टर मेकिंग, पावर प्वाइंट प्रेजेंटेशन, निबंध लेखन, फिजिक्स क्विज, इनोवेटिव वर्किंग माडल और वैज्ञानिक रंगोली सहित विभिन्न प्रतियोगिताओं में भाग लिया।



Webinar on “Awareness on IPR, IP Management and Legal Framework” (23 May 2022)

Department of Physics under the aegis of Institutions Innovation Council (4.0), Mehr Chand Mahajan DAV College for Women organized an online webinar, on the topic “Awareness on IPR, IP Management and Legal Framework” on 23rd May, 2022 for B.Sc. Non medicals and Vocational students. The speaker for the webinar was Nitish Agarwal, Examiner of Patents & Designs, Office of the Controller General of Patents, Designs, and Trade Marks, Ministry of Commerce and Industry, Government of India. The speaker showcased the importance of patent in today’s innovative world by explaining that a patent gives person the exclusive right to sell, manufacture and license his new product, it also allows to stop others from copying your invention. The interactive sessions between the speaker and the students made the webinar more motivating one. The speaker tried to extract responses from learners and tried to impart knowledge of importance of patents, trademarks, geographical indications and some legal cases. Dr. Indu Arora, Vice President of Institution’s Innovation Council 4.0 appreciated the talk by presenting a vote of thanks and in total 127 participants have participated the webinar including 119 students and 9 teachers.



‘भौतिकी व आईपीआर में नवाचार और उद्यमिता’ विषय पर वैबिनार आयोजित

चंडीगढ़, 17 जून (राम सिंह बराड़) : मेहर चंद्र महाजन ज़िएडी कॉलेज फॉर विमेन, चंडीगढ़ के इंस्टीट्यूशन इनोवेशन काउंसिल (आईआईसी) के तत्वावधान में भौतिकी विभाग ने भौतिकी के अनुशासन में नवाचार और उद्यमशीलता को बढ़ावा देने के उद्देश्य से सहयोगात्मक प्रयासों में, फिजिक्स, इनोवेशन, स्टार्टप एंड एंटरप्रेन्योरशिप और अवेयरनेस ऑन आईपीआर, आईपी मैनेजमेंट एंड लीगल फ्रेमवर्क विषय पर वैबिनार का आयोजन किया। फजिक्स, इनोवेशन, स्टार्टअप एंड एंटरप्रेन्योरशिप के लिए, बतौर प्रमुख वक्ता डॉ. आशिष साहू, सह-संस्थापक और मुख्य परिवालन अधिकारी, नवरिटी इनोवेशन और, निदेशक एवं सह-संस्थापक, टर्बिस मैक्राल सिस्टम्स, हैदराबाद, तेलंगाना, और 'अवेयरनेस ऑन आईपीआर, आईपी मैनेजमेंट एंड लीगल फ्रेमवर्क' के लिए पेटेंट एवं डिजाइन के परीक्षक, पेटेंट, डिजाइन और ट्रेडमार्क कार्यालय में महानियंत्रक, वाणिज्य और उद्योग मंत्रालय, भारत सरकार से नीतीश अग्रवाल शामिल हुए। डॉ. आशिष साहू ने आधुनिक प्रौद्योगिकी के विकास में भौतिक विज्ञान की भूमिका, भौतिक विज्ञान पर आधारित स्टार्टअप की



उद्यमिता और एक सफल उद्यमी बनने के लिए आवश्यक प्रमुख कौशल पर प्रकाश डाला। वैबिनार में कुल 76 प्रतिभागियों ने भाग लिया। अवेयरनेस ऑन आईपीआर, आईपी मैनेजमेंट एंड लीगल फ्रेमवर्क पर वैबिनार के दौरान, नीतीश अग्रवाल ने आज की अभिनव दुनिया में पेटेंट के महत्व पर प्रकाश डाला। प्रतिभागियों को विभिन्न प्रकार के बौद्धिक संपदा अधिकारों के बारे में पता चला और वह आईपी अधिकारों के विषय में भी जागरूक हुए। स्पेकर ने प्रतिभागियों को पेटेंट, ट्रेडमार्क, भौगोलिक संकेतक और कुछ कानूनी मामलों की अवधारणा

जाए वैबिनार का दृश्य। और महत्व से परिचित कराया। वैबिनार से 127 से अधिक प्रतिभागियों ने लाभ उठाया। प्राचार्या डॉ. निशा भार्गव ने चिकित्सा उपकरणों, वैकल्पिक ऊर्जा स्रोतों, संचार आदि जैसे विभिन्न क्षेत्रों सहित अनुसंधान और विकास में प्रमुख सफलताओं और नई तकनीकों को लाने में भौतिकी की महत्वपूर्ण भूमिका पर प्रकाश डाला और नवाचार को बढ़ावा देने के लिए इन सार्वक पहलों को सराहना की। उन्होंने छात्राओं के बीच नवाचार और उद्यमिता की संस्कृति को व्यवस्थित रूप से बढ़ावा देने के लिए आईआईसी के निरंतर प्रयासों की सराहना की।