

POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS
SECTOR-11, CHANDIGARH



COURAGE TO KNOW

Department of Physics: Galaxy Society
(Session: 2020-21)

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Sharma

Sharma

Post Graduate Govt. College for Girls
Sector 11, Chandigarh

Poster Presentation

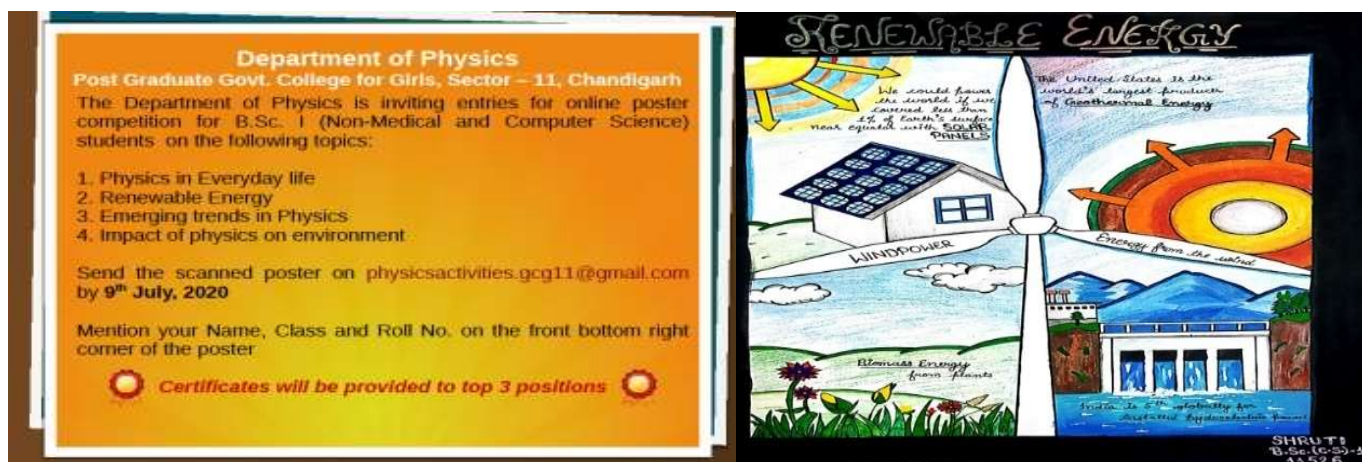
Under the able guidance and dynamic leadership of Principal, Prof. (Dr.) Anita Kaushal, poster competition was organized by the Department of Physics, PGGCG, Sector 11, Chandigarh on **9th July, 2020**. Around 10 students of B.Sc. I participated in a poster making contest. Different topics for the poster contest were Physics in Everyday life, Renewable Energy, Emerging trends in Physics and Impact of physics on the environment.

Result of Competition

First Position: Shruti (B.Sc. 1 CS) Roll No 11526, Anjali (B.Sc. 1 NM) Roll No 11940

Second Position: Sejal (B.Sc. 1 NM) Roll No 11953

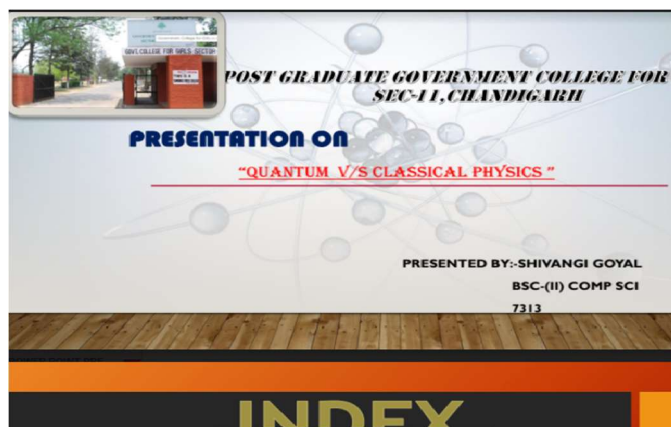
Third Position: Mehak (B.Sc. 1 NM) Roll No 11902



Posters made by students

PowerPoint Presentations through Online Mode

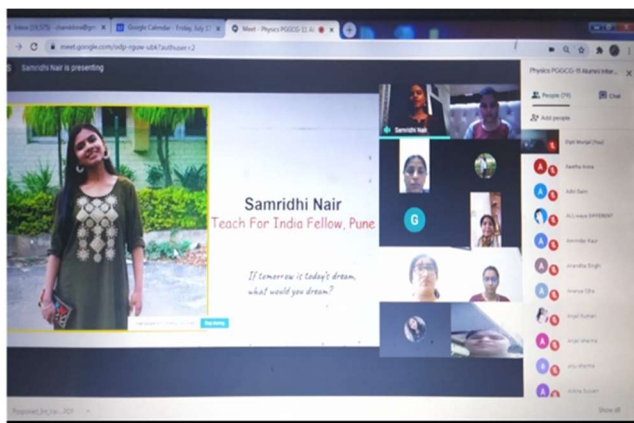
Under the able guidance and dynamic leadership of Principal, Prof. (Dr.) Anita Kaushal, an online Power-Point (PPT) competition for B.Sc. II students was organized by the Department of Physics, PGGCG, Sector 11, Chandigarh on **16th July, 2020**. Around 30 participants attended the session. The session was attended by Prof. Anju Sharma (Head of Department) and other faculty members of the department. Students discussed the different topics related to Physics. They gave a deep insight about the structure of optical fiber and also discussed how one can use optical fiber as sensors. The views on recent developments in different areas of physics such as Astrophysics, Optical Physics, Nuclear Physics, Quantum Physics etc. were also shared by the students. All the students participated with full enthusiasm. The faculty members encourage the students for future participation also.



Screenshot of student's presentation

Alumni Interaction Session

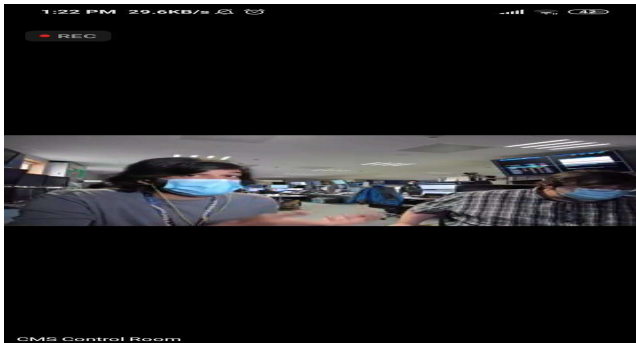
The Department of Physics, PGGCG-11 organized an online alumni interaction session on **17th July, 2020** via Google meet. Around 100 participants attended the session. The session was attended by Prof. Anju Sharma (Head of Department) and other faculty members of the department. The session started with a welcome note by Ms. Dipti Munjal followed by alumni representations. Firstly, Samridhi (working for “Teach For India Fellow’ at Pune) encouraged the students to actively participate in youth fests and also talked about leadership qualities. After her talk, Pawandeep (Student of Loyalist College Ontario, Canada) explained the scope and detailed admission procedure for enrolling in overseas universities. Then, Anushka (PG Student at IIM Jammu) shared her thoughts about stress management during and before the exams. Following her talk, Mehak (M.Sc Physics NIT Rourkela), Priyanka (M.Sc Physics NIT Calicut) and Vanshika (M.Sc Physics P.U) discussed various exams and their preparations for getting admissions in different National Institutes. Moreover, Yashvi (M.Sc Medical Physics P.U) and Seema Kumari (Manager at Soinsive Pharmicia) discussed the interdisciplinary role of physics. Overall, all presenting alumni represented their content very nicely and in a very informative way. Alumni lauded the efforts of the great initiative taken by the Physics department to organize such an event. They also expressed their gratitude towards their alma mater, Principal Madam of the college, HOD Physics department and other faculty members. The session ended with a motivational message given by Prof. Anju Sharma



Alumni meet

Virtual visit to Compact Muon Solenoid (CMS) Experiment

Under the able leadership and guidance of our worthy Principal Madam Prof. (Dr.) Anita Kaushal, Department of Physics, in collaboration with CERN, Geneva, Switzerland organized a VIRTUAL VISIT to Compact Muon Solenoid (CMS) experiment, at 12:30 pm on **21st October, 2020**. As “Seeing is Believing”, the CMS Virtual visit offered students and faculty a unique opportunity to get an international exposure for recent research and advances at the forefront of Physics, especially Particle Physics. This visit enabled to see the scale of engineering and technology required to help us answer some of the big questions like the beginning of the universe and basic building blocks of matter. Through a web-based video conference, Mr. Jacob Myhre, a member of CMS Visits and his team explained the physics and technology behind the experiment. The students explored the experimental site of the CMS detector. They also visited the CERN Control Center virtually where the controls for the accelerator, its services and technical infrastructure are housed under one roof. Around 50 students and faculty of Physics as well as other departments attended the event.



Mr. Jacob Myhre presenting online



A virtual lab visit

A yellow brochure for a virtual tour. At the top left is the logo of Post Graduate Govt. College for Girls, Sector - 11, Chandigarh. The text reads: 'Department of Physics organizes Virtual Tour CMS'. Below this, it says 'Event : Virtual Lab Visit, Compact Muon Solenoid (CMS) Experiment, CERN, Geneva, Switzerland'. The date is 'Date : 21/10/2020' and the time is 'Time : 12.30 p.m. (IST)'. The virtual platform is 'Virtual Platform : ZOOM'. A blue starburst graphic says 'God Particle Higgs Discovery 2012'. At the bottom, it lists 'Prof. (Dr.) Anita Kaushal, Principal' and 'Prof. Anju Sharma, Head of Department'. A small image of the CMS detector is on the right side.

E Brochure

Online E-Poster Making Contest

Under the able guidance and dynamic leadership of Principal, Prof. (Dr.) Anita Kaushal online Poster competition event was organized by the Department of Physics, PGGCG, Sector 11, Chandigarh on **19th April, 2021**. Physics plays a variety of roles in economic development. These roles are explored by students (400) of M.Sc. (Physics), B.Sc. (NM & CS), and B.Sc. Hons. -Physics from various colleges by participating in an online poster competition.

Result of online competition: -

First Position:

Mahima Kaushik (M.Sc. 1 Physics) Roll No 2670, Post Graduate Government College for Girls, Sector-11, Chandigarh

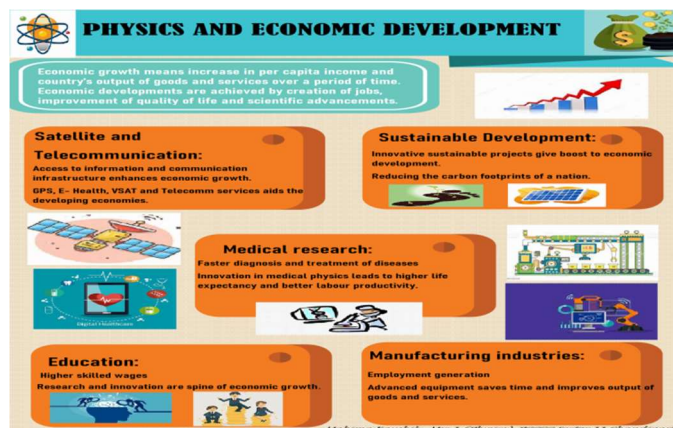
Second Position:

Shivani Goyal (B.Sc. 3 CS) Roll No 7313, Post Graduate Government College for Girls, Sector-11, Chandigarh

Third Positions:

Palak Kindra (B.Sc. 2 NM) Roll No 1346 MCM DAV College for Women, Sector - 36, Chandigarh

Arshdeep Verma (M.Sc. 1 Physics) Roll No 2659 Post Graduate Government College for Girls, Sector-11, Chandigarh



A poster displayed by student

Video Making Contest “Preventing Plastic Pollution and Providing Solutions for a Healthy Ocean”

Under the able guidance and dynamic leadership of Principal, Prof. (Dr.) Anita Kaushal, the Department of Physics, PGGCG, Sector 11, Chandigarh celebrated World Oceans day on **8th June, 2021** by organizing a Video Making Contest on “Preventing Plastic Pollution and Providing Solutions for a Healthy Ocean”. Students of U.G and P.G participated in a video making contest. Students talked about how millions of tons of debris (most of it is plastic) are contaminating the ocean and the ocean has basically become a garbage soup. The solutions to the healthy ocean were also discussed. Three R’s- reduce, reuse and recycle – all help to cut down on the amount of waste we throw away. This contest spreads awareness among all how we can keep our oceans healthy and save marine life. Approximately 200 students participated in the event.

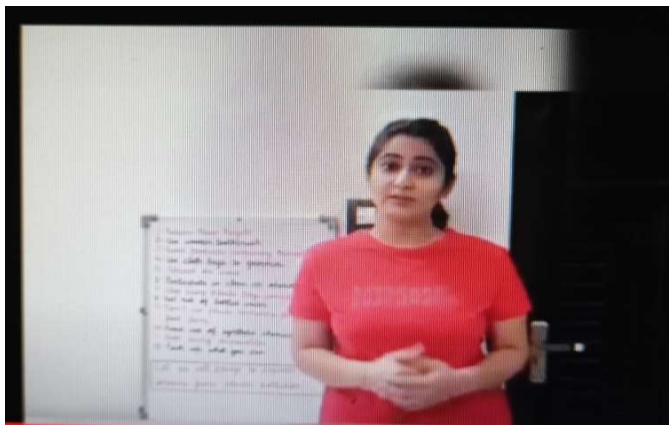
Result of competition: -

First Position: Ashima Bhuyan M.Sc.-I

Second Position: Adrija M.Sc.-I

Third Position: Arshdeep M.Sc.-I

Fourth Position: Sejal B.Sc. II (C.S)



Student during video making contest