



# Centre of Excellence



**GOVT. COLLEGE SANJAULI SHIMLA – 171006, H.P. (India)**  
**Co-Educational Institution**  
**Affiliated to Himachal Pradesh University Shimla – 5**

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## **Supporting Document for 2.3.1**

*2.3.1: Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences and teachers use ICT-enabled tools including online resources for effective teaching and learning process*

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## उत्कृष्ट शिक्षा केंद्र शिक्षा केंद्र संजौली में हिंदी उत्सव



राजकीय महाविद्यालय संजौली में हिंदी विभाग द्वारा हिंदी उत्सव का आयोजन किया गया , जिसमें महाविद्यालय के प्राचार्य समेत सभी प्राध्यापक तथा भारी तादाद में विद्यार्थी मौजूद रहे। कार्यक्रम में जहां हिंदी पखवाड़े के तहत आयोजित की गई भाषा एवं साहित्य की गतिविधियों की प्रदर्शनी लगाई गई , वहीं कुछ चुनिंदा अकादमी कार्यक्रम भी हुए। साथ ही विभिन्न संस्कृतियों का सम्मिश्रण करते हुए विद्यार्थियों ने रंगारंग कार्यक्रम प्रस्तुत किया। महाविद्यालय के प्राचार्य डॉ चन्द्रभान मेहता ने इस अवसर पर कहा कि इस देश में चाहे सारा लेखा-जोखा अंग्रेजी में हो रहा है, लेकिन व्यवहार की भाषा हिंदी ही है और आगे भी जन भाषा हिंदी ही रहेगी। हिंदी विभाग के अध्यक्ष डॉ कामना नेगी ने कहा की शिक्षा और रोजगार के लिए हम चाहे किसी भी भाषा का प्रयोग करें। लेकिन हमारे आंतरिक भाव हिंदी में ही प्रकट होते हैं। ह डॉ सत्यनारायण स्नेही ने कहा इस देश में भारतीय सभ्यता का विकास ईश्वरीय सत्ता और देवीय अवधारणाओं से विकसित होता है। जहां प्रकृति की भी पूजा की जाती है, छोटी-छोटी खुशियों के उत्सव मनाए जाते हैं , वहां भाषाई उत्सव भी अपनी अस्मिता को पहचानने के लिए जरूरी है। कार्यक्रम का सफल संचालन सहायक आचार्य डॉ बबीता ठाकुर ने किया।

# GLORIOUS SCIENCE WEEK – REPORT

(*Vigyan Sarvatra Pujyate*)

Centre of Excellence Government Degree College, Sanjauli, Shimla-06  
(22<sup>nd</sup> to 28<sup>th</sup> February – 2022)

A week long **Glorious Science Week –Vigyan Sarvatr Pujyate** began on 22<sup>nd</sup> February 2022 at **Centre of Excellence Government Degree College, Sanjauli , Shimla** in collaboration with **Himachal Pradesh Council for Science Technology and Environment (HIMCOSTE)** and **Vigyan Prasara Department of Science and Technology Government of India**. The inaugural session commenced with the felicitation of the Chief Guest Major General (Retd.) Atul Kaushik, Chairperson, Private Education Regulatory Commission, H.P. by Dr. Sudesh Mokhta, Member Secretary, HIMCOSTE.



The blessings of goddess Saraswati were invoked with the lamp lighting by the Chief guest along with other dignitaries and recitation of *Saraswati Vandana* by the students of the Department of Music of the college.

Mr Satpal Dhiman, Additional Director, HIMCOSTE formally welcomed the chief guest and participants from the neighboring colleges of the city .He introduced the four themes of the event namely:

1. **Annals of history of science**
2. **Milestones of modern science and technology**
3. **Swadeshi Paramparik inventions and innovations**
4. **Transforming India**

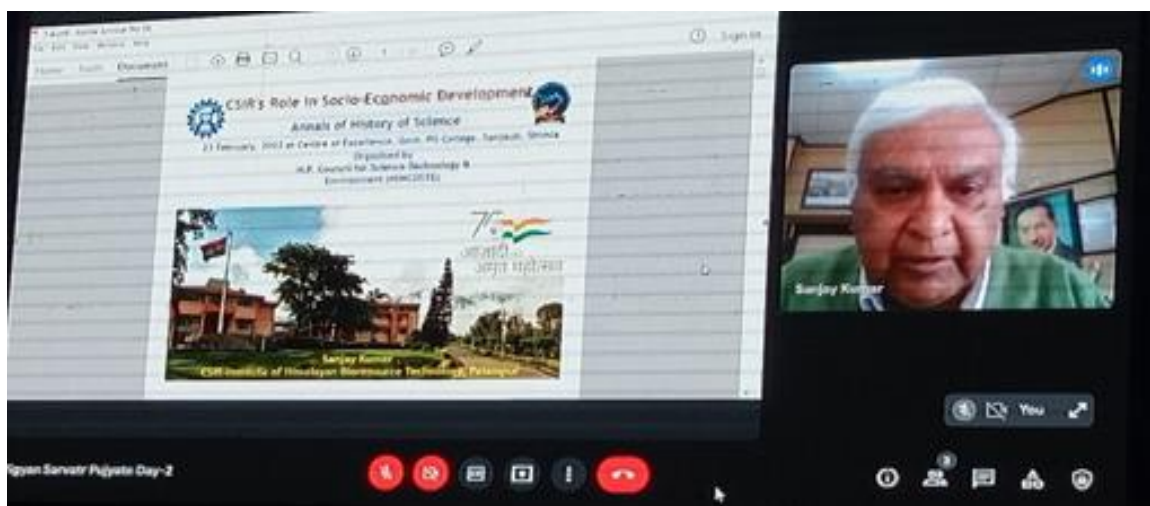
Mr. Dhiman enunciated that these themes would be covered during the science week through experts' talk on various relevant topics, science quiz competitions, exhibition of science models and screening of award winning documentaries and it would culminate in **YUVA VIGYAN PURASKAR CELEBRATIONS** on National Science Day on 28<sup>th</sup> February 2022.



The Chief Guest, Major General Atul Kaushik S&M, VSM (Retd.), Chairman, Himachal Pradesh Private Educational Institutions Regulatory Commission, said in his address that the event would bring to the fore the stories of people in science who made great achievements in the field of science technology.

He laid emphasis on the achievements of various scientists like Dr. C.V Raman, Arya Bhatt, Dr. Abdul Kalam, who have made commendable contributions to science and society. The inaugural session came to an end with the address by Dr. Chander Bhan Mehta, Principal, Centre of Excellence Government Degree College, Sanjauli laying stress on promotion of such activities to inculcate scientific temperament in the younger generation. The post lunch session was a visual treat as its focus was on bringing forth the scientific innovations and science as a means of bringing about social and economic development through screening of documentaries such as ‘**Mega Science Projects :India’s Contribution**’, ‘**Atal Tunnel Rohtaang : An Engineering Marvel**’ and ‘**Vigyan Veer**’. The focus of the session was to celebrate achievements of science and technology over the last 75 years through this programme that would inspire the youth.

**The first session of the second day on 23<sup>rd</sup> February 2022** commenced at 11 am with Dr Sanjay, Director, IHBT Palampur, as the Resource Person. His talk was entitled ‘**CSIR’s Role in Socio-Economic Development: Annals of History of Science**’. He gave an insider’s point-of-view vis-à-vis the emergence of CSIR and its role in taking India on to the path of science and technology. He shared that in the pre-independence era itself, a need was felt for an official Pan-India body espousing the cause of scientific and industrial research. Consequently, in 1940, the *Board of Scientific and Industrial Research* was established, initially for a period of two years. Mr Mudaliar graced this board as its maiden Chairperson. The Resource Person also threw light on the role of Dr Bhatnagar, whose contribution to the field of scientific and industrial research earned him the title of ‘*Father of National Laboratories*’. With the efforts of these luminaries and very especially that of Mr Mudaliar, CSIR came into existence in 1942, five years before India earned its sovereignty from the British Raj. The CSIR established five labs during this period. This number has exponentially risen to 37 in the present times and IHBT Palampur is one of them.



The Resource Person for the session introduced to the audience the sphere of CSIR's work, which includes diverse sectors such as leather industry, minerals, agro-nutrition, biotechnology, healthcare, aerospace, civil infrastructure and engineering. He delved into the significant contributions of CSIR over the years. For instance, CSIR's role in the promotion of technology led innovations, its role in 'Green Revolution' and its efforts in helping Himachal emerge as the biggest producer of Marigold essential oil. He also talked about CSIR's farmer centric initiatives, CSIR Aroma Mission, CSIR Pearl Culture, CSIR makeshift hospitals and CSIR's initiatives for the mitigation of transmission of SARS COVID virus. He also put forth the contribution of women in the field of science and technology and quoted some names like Kamala Sohonie and Janaki Ammal among others. He ended his insightful talk by exhorting and motivating the students to work with sincerity to reach their goal. Towards the end of the first session, the Head of the institution, Principal Dr C B Mehta too addressed the participants which comprised both students and teachers from several institutions across the state. He acquainted the students with different programs such as the winter schools and the summer schools, exclusively being run for promoting science as a subject among the students.

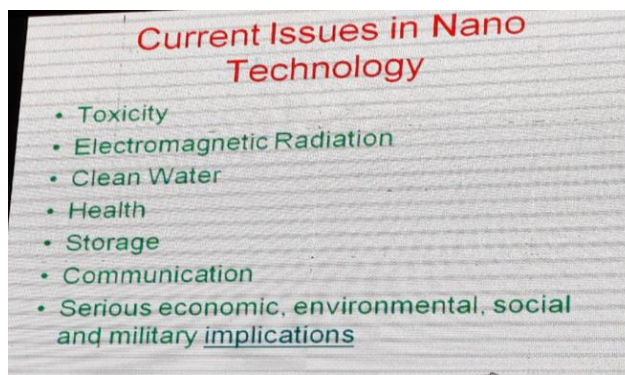
The second session of the second day was helmed by Dr S S Randhawa, Principal Scientific Officer, HIMCOSTE, who was also the Resource person for the session. His discourse was entitled '***Advancements in Space Technology & its Application Over Mountains***'. During the course of this brilliant presentation, he talked about space technology and its applications such as Remote Sensing. He explained the types of platforms used for remote sensing and its application in satellites.





In the context of Himachal Pradesh, he portrayed the hazard vulnerability of the fragile hill state. These hazards include geological, atmospheric, hydrological, fire and other accidents such as earthquakes and landslides. The session ended with a formal vote-of-thanks and the august gathering dispersed for lunch.

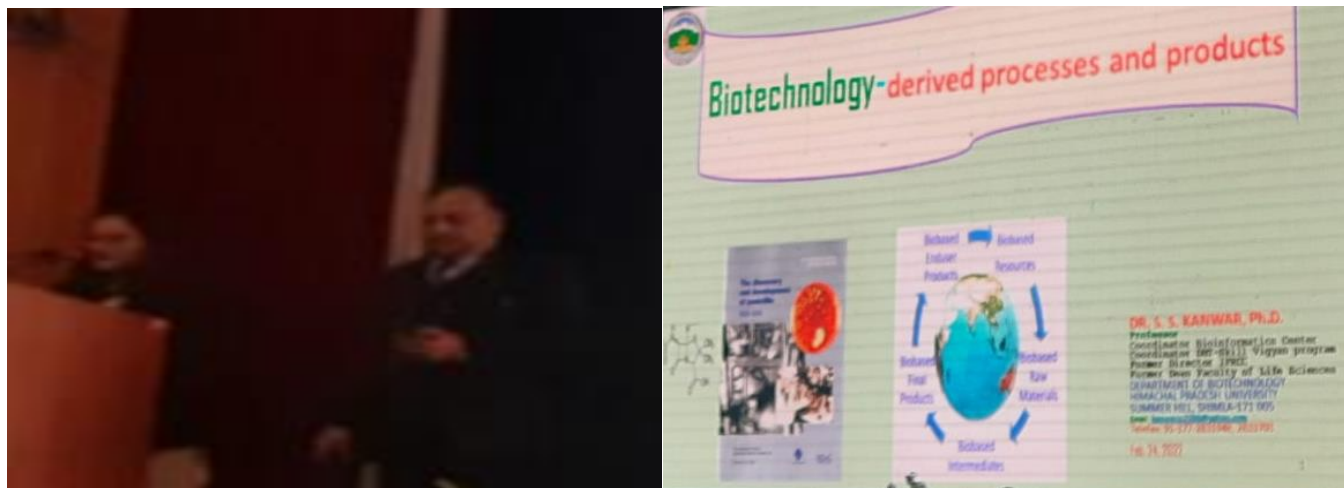
**The theme for the 3<sup>rd</sup> day on 24<sup>th</sup> February 2022**, of the glorious science week was Milestone of Modern Science and Technology. The session commenced at 11 am with the felicitations of the eminent Resource Persons Dr.Mahavir Singh Khachi (Commonwealth Fellow), Professor Department of Physics, HPU, Shimla and Dr S.S Kanwar, Professor Department of Biotechnology, HPU Shimla by Shri Sat Pal Dhiman, Additional Secretary, HIMCOSTE. The first speaker for the day was Dr. Mahavir Singh who reflected his profound knowledge on the Topic : ***‘Issues, Challenges in Nano Technology and Bright Future of Magnetic Nano World’***. The resource person threw light on the importance of nano-technology in different fields of life. He also stressed on the issues and challenges in the fields of nano-technology which are toxicity, electro-magnetic radiation, serious environmental, social and military implications clean water etc. He also put forth his views on the bright future of soft Nanomagnetism.



He stated that in future Nanotechnology might lead to huge advances in health care, improving methods of detecting and treating diseases like cancer. He made the audience aware that nano particles are Eco friendly, Biocompatible and Non Toxic.

He elaborated on the Applications of Magnetic Nanotechnology in the field of Spintronics, Biomedical applications, Communication sector, Sensors, Water Purification and High density storage. The Resource Person enlightened the audience about the huge potential of Nanotechnology to transform the peoples' life for the better. An exalting demonstration of the topic Nanotechnology on our lives galvanized the engrossed participants.

The second speaker of the day was Dr. S. S. Kanwar, Professor, Biotechnology, HPU Shimla. He shared his views on the topic: ***'Biotechnology – Derived processes and products'***. He emphasized that Biotechnology is science for human welfare and the Egyptians were the first to make biotechnological processes like brewing beer and baking bread in the 4<sup>th</sup> millennium. He discussed in detail the importance and applications of the various fields of Biotechnology like Medical, Industrial, Environmental, Agricultural, Plant and Animal Biotechnology which has been playing a dynamic role for the benefit of the society.



He also made the audience aware that according to NASDAQ composite index, Biotechnology is the most profitable sector. He apprised the audience about the career opportunities in Biotechnology like Biomedical Engineering, Biochemist, Microbiologist, Medical Scientist, Bio-manufacturing specialist etc. He succeeded in triggering the young minds to think about the innovative ways and use their creativity to determine which smaller questions are likely to yield results, imagine possible answers to their questions



and device ways to test those answers. He added that innovation involves a different way of looking at problems and solving them. The resource person enlightened the students that with a proper fellowship like CSIR/UGC NET etc. students can also get desirable jobs and salaries within a good private as well as government institute. Besides teaching there are broad scope in R&D sector with a good salary package and experience too. He succeeded in increasing the horizon of knowledge of the audience about Biopesticides. He laid stress on the use of Biopesticides and stated that their use reduce soil pollution and erosion. Hence, organic farming requires biopesticides for good crop production. He emphasized that biopesticides are effective in small quantity and often decompose quickly, resulting in lower exposures and largely avoiding the pollution problems caused by conventional methods. He concluded his lecture by stating that Biototechnology is panacea of human health, economy and welfare. Towards the end of the session feed back of the program was given by two Non Medical students of COE, Govt. College Sanjauli **Shrinivas** and **Pranav of B.Sc. I**. Both the students were appreciated by the organizers for showing courage to speak on the stage and interacting with the Resource Persons.

**The first session of the fourth day on 25<sup>th</sup> February 2022** commenced at 11 am with Dr P. K. Ahluwalia, former Professor of Physics Himachal Pradesh University and present President IAPT (Indian Association of Physics Teachers), as the Resource Person. His talk was entitled as **75 Impactful Years of Indian Science and Technology**. He started his talk about the journey of developments in Science and Technology during the past 75 years of independent India. In 1947, our country stood with literacy rate of 12 % and average life expectancy of 32 years with per capita income of Rs. 230. He gave a deep insight of, How the Festival of democracy could be celebrated by using indelible ink to the development of Electronic Voting Machine.



The Resource Person also threw light on the contribution of Dr Homi Bhabha in making of TIFR Mumbai as he desired to build a school of Physics comparable anywhere in the world, later also established AEE Trombay now known as BARC in 1954. He also gave a brief history of using atom for peace as man and making of modern temples (Research Reactors) at BARC as APSARA (1956), Cirus (1960) and Dhruva(1985). He also presented the contribution of former president of India know as Missile Man of India, Dr A. P. J. Abdul Kalam. The five Missiles Prithvi, Agni, Trishul, Akash, Naag created a defence shield for India, which were the materialized thoughts of his imagination. He also elaborated The Green Revolution by M.S. Swami Nathan in Agriculture sector, White Revolution by Dr. Verghese Kurien in the Dairy products. The Resource person also suggested to the audience that everyone should read the book titled as Rebooting India related to Adhar number by Nandan Nilekani, Wings of Fire by Dr. A.P.J. Abdul Kalam and the movies like Manthan and Quantum Indian. He also introduced about India's IT Giants like HCL, INFOSIS and ISRO. He concluded his talk by paying tribute to Dr. C. V. Raman the noble prize winner in Physics.

The second session started with the talk of Dr. Saurabh Chaube, IIT Mandi CATALIST – A Technology Business Incubator on **Start Up in Hills**. He presented India as Startup Nation with third largest Startup Echo system in the world. His mainly focused on the initialization process of Startup which comprise of two major factors, Innovation and Commercialization.



He promoted the future of Science and Technology in India by showing short videos of Startups like Tavasta (3-D print Houses), Dhruv Vidyut (Electric Bicycles), Spandan based on Sun Faux Technology (Medical diagnosis) and Self driving vehicle.

He also threw light on the achievement of IIT Mandi for establishing first incubated Startup – The Solar Lab (TSL) and various Startup Schemes for setting of new Startups. He ended his entrepreneurial talk with brief introduction of future Technologies as Artificial Intelligence, Block Chain and Mixed Reality – Applications.

A Quiz on Science and Technology was organized in post lunch session in which Six teams from vicinity Colleges participated. There were four rounds in which COE, GDC Sanjauli got the first position and the second position was bagged by St. Bede’s College and the third position by RKMV after the rapid fire round. The day concluded with distribution of prizes to the winners of Quiz Competition.



**The first session of the day on 26<sup>th</sup> February 2022**, commenced at 11 a.m. with the formal welcome of the chief guest, Mr. Anil Thakur, additional PCCF wildlife, H.P. , and other dignitaries. Ms. Shweta Shiv Kumar, doctoral fellow at center for wildlife studies, Bangalore was the first guest speaker.

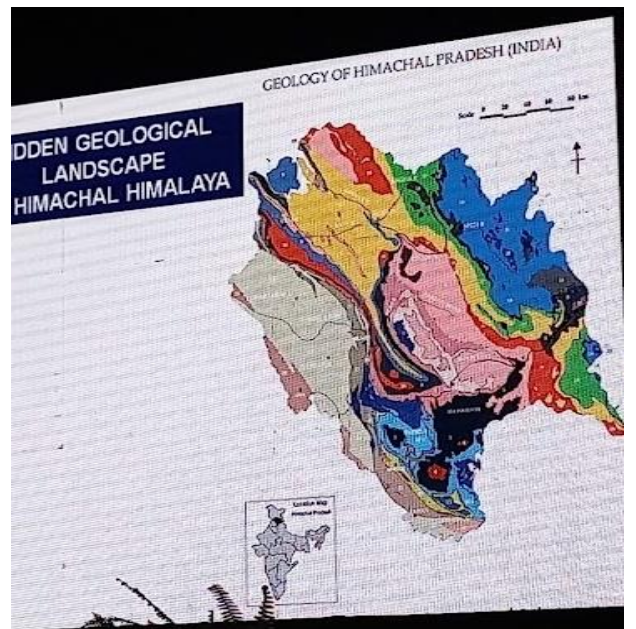
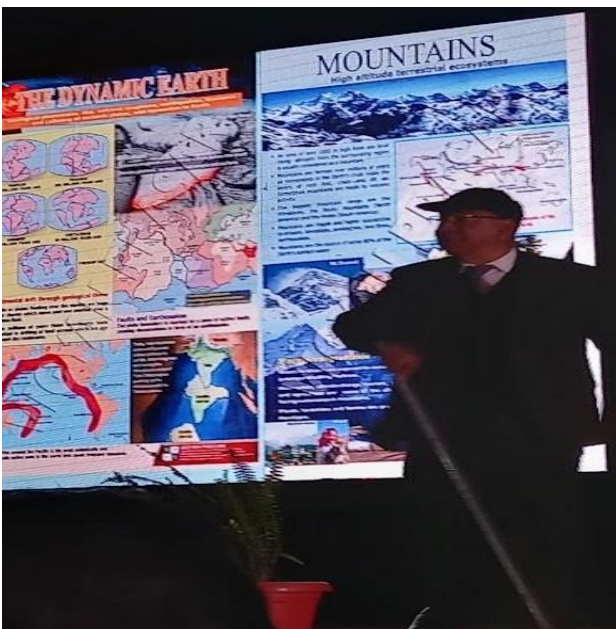
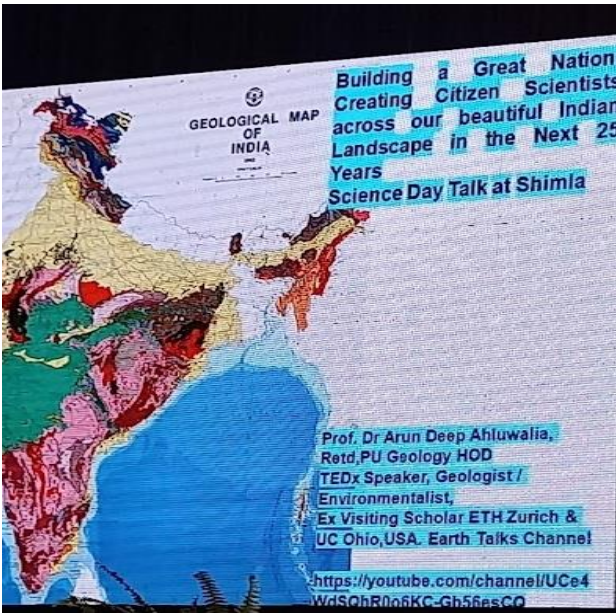
The title of the talk was “**People and Leopards of Himachal Pradesh**”. She started by introducing the behavior of leopards towards humans. She told that nine leopards were found against ten locations in a small region of about 60 km in Shimla. The speaker elaborated the eating habits of leopards in the agricultural landscapes. She gave insight into the attack done by leopards over a period of ten years. She also put forth her contribution in organizing workshops in the different schools for sensitization of students. In the end of her talk, she motivated the students to work on different project on leopard studies.

In the next part, Mr. Sudesh Kumar Mokta, director and member secretary, HIMCOSTE, addressed the august gathering. He motivated the school and college students to come forward and participate in different programs organized for them. Therefore, the chief guest, Mr. Anil Thakur, PCCF wildlife H.P., addressed the audience. He appreciated both the speakers for their research oriented presentations. He admired the efforts put in by the forest department for the conservation of birds. He apprised the audience about the migratory birds especially found in month of December to February. He concluded his lecture by stating that active participation of students in such kind of events is very important to instill scientific temper in them. He also congratulated the organizer for organizing such an enlightening and wonderful event.

After the Chief Guest’s address, prize distribution ceremony was held. Students from the schools of different districts of H.P. were honored by the chief guest and other dignitaries for participating in different activities/competitions held to celebrate glorious science week. It was a proud moment for the winners and their teachers who definitely carried with them great memories to be cherished forever. The categorized of the prizes were, senior rural, junior rural, senior urban and junior urban. The session ended with the formal vote of thanks by Ms. Deepshikha from HIMCOSTE.

**The first session of the day 27<sup>th</sup> February 2022**, commenced at 11 AM with the formal welcome of the Resource person Prof. A.D. Ahulwalia, Dr. Anil Kumar Thakur and all the other guests. The main speaker for the first session was Prof Arun Deep Ahulwalia, Retired Professor from Department of Geology, Panjab University, Chandigarh. The topic of discussion for the session was, ” **Building a Great Nation: Creating citizen scientists across our beautiful Indian Landscape in the Next 25 years**. He delivered inactive session on man earth legacy, especially encouraging student to study the geological sciences. He talked about world Heritage in both Cultural and Natural aspects and how to promote cooperation among all nation and people to contribute for the protection of these universal treasure intact for future generation. With the beautiful diagram he explained about super continent Pangea and movement of India northward around 200 million years back. He shared the rich wealth of nation is on geological resources and sites.

He said government of India and UNESCO should identify Geo parks in India. He said about his inspiration was Shri Chandra Vohra, Indian geologist who climb Mount Everest in 1965. He guided students on Earth and Environment outreach: empowering humanity in which Planet Earth- Earth Science for society are inspiring for better knowledge. He further explained the evolution of earth, in which tectonic theories, plate's formation, type of features evolved, geological hazards etc was covered. In relation to hazards, Himalayas are prone to geological disturbances which affect the terrestrial ecosystem. Atlast, he suggested that India's prosperity requires show casting through India's geo-tourism potential & rich diversity.



The Second speaker was Dr. Anil Thakur, Associate Professor, RKMV, Shimla. His lecture was on topic **Plant diversity for human well being**. He told about the rich floral diversity of India in terms of Medicinal Plants. In India there are 1748 species of Medicinal Plants available, out of which 1123 is available in J&K and 643 in Himachal Pradesh.



He explained in detail about the medicinal values of different plants found in Himachal Pradesh and their commercial value. He highlighted the importance of local flora found in Himachal such as **Neem, Bana, Basuti, Longata, Tulsi, Shatavari, Alovera, Ashawgandha** etc. The session ended with vote of thanks.

**The Celebration of Science day on 28<sup>th</sup> February 2022** and the closing ceremony of the week long programme commenced at 11 AM with the formal welcome of the Chief Guest, Hon'ble Education Minister, Govt. of Himachal Pradesh, Sh. Govind Singh Thakur at Gaiety Theatre, The Mall, Shimla.



The other guests were Shri Sudesh kumar Mokhta, Member Secretary HIMCOSTE, Shri Satpal Dhiman, Additional Secretary, Environment, Science and Technology and Joint Member Secretary HIMCOSTE, Shri Pankaj Lalit, Director Elementary Education, Dr. C.B. Mehta Principal, COE, Government College Sanjauli and Shri Anoop Vaid ,Ex Councillor MC .

The day was allocated to promote the theme for the science day- 2022: **Integrated Approach in Science and Technology for Sustainable Future** and tribute to Physicist Dr. C.V Raman. The celebration began with the guest lecture given by Dr. Prof. Amandeep Ahluwalia, Retd. CAS in Geology PU Chandigarh. He beautifully illustrated the Evolution of life through fossils. He also explained the different Eras and Periods. He showed beautiful pictures of footprints of Dinosaurs. The speaker fully interacted with the audience and emphasized on preservation of Geological sites. His power point presentation had extracts from newspapers, books and original photos.

The program was inaugurated by lighting the lamp by the Chief Guest and other dignitaries present. This was followed by Saraswati Vandana by the students of COE, Government College Sanjauli. The Chief Guest was formally honoured with Himachali Topi, Shawl and a memento by Shri Sudesh Mokhta.



Shri Sudesh Mokhta in his welcome speech spoke about the celebration of National Science day on February 28<sup>th</sup> to remember the Raman Effect. He also mentioned that CV Raman won the Noble Prize in the field of Physics in 1930 and this fact is being celebrated as Science Day every year. He emphasized on the aim of HIMCOSTE in inculcating the scientific temper and awareness on various scientific aspects

among students. He said that under Yuva Vigyan Purnskar Yojna, awards of Rs 10000 to 100000 are given to the students of 10+2 Science stream that bag top ten position in Himachal Pradesh Board of School Examinations. The activities of HIMCOSTE were presented by a power point presentation. The STIP was launched by the guests.



The Chief Guest for the occasion Shri Govind Singh Thakur spoke about the importance of Science Day and said that he was very happy to be amongst the young scientists and to honor them. He mentioned in his speech that the students were very talented and he was highly impressed by their models. He said that to develop scientific temper in students “Science Fair” and Eco clubs could play an important role. The



students were given prizes which were categorized in three categories- Meritorious students, Scientific Project Report and Innovative Science Model. About 100 students were given prizes by the Chief Guest.

A vote of thanks was delivered by Shri Satpal Dhiman, Additional Secretary, Environment, Science and Technology and Joint Member Secretary HIMCOSTE. This is how the week long programme of Science concluded successfully with collective efforts of Staff, COE, Govt. College Sanjauli under the able guidance of Nodal Officers Prof. Bharti Bhagra (Assoc. Professor in Geography), Dr. Manisha Kohli (Assoc. Professor in Botany) and HIMCOSTE.

The efforts of the following team, led by **Dr. Anju Sharma, Associate Professor of Zoology**, resulted in this week-long report.

- 1. Dr. Pooja Dulta – Inaugural day - Day 1**
- 2. Prof. Hemlata & Dr. Aditya Dulta – Day 2**
- 3. Dr. Nidhi Dhatwalia & Prof. Dipti Gupta - Day 3**
- 4. Dr. Kirti Singha - Day 4**
- 5. Dr. Reeta Chandel & Prof. Poonam Sharma - Day 5**
- 6. Dr. Vikas Nathan - Day 6**
- 7. Prof. Shivani Kaprate - Day 7**

**Final Report compiled & submitted by: Dr. Kirti Singha (Asst. Professor in Physics)**

**Report of the Three-Day Workshop on ‘Disaster Risk Reduction’ held in  
the Centre Of Excellence, Govt. College Sanjauli (HP)**

The Disaster Management Cell of the Centre of Excellence, Govt. College Sanjauli, organized a training programme on Disaster Risk Reduction on the 16<sup>th</sup>, 20<sup>th</sup> and 21<sup>st</sup> of August 2018 in the college seminar hall, in collaboration with State Disaster Management Authority Himachal Pradesh and Shimla based Non-Government Organization, DOERS. The aim of the programme was to disseminate the information and to impart the knowledge regarding disaster preparedness and mitigation of its effects. The volunteers from the college RED CROSS, NCC, NSS, Rangers



& Rovers units were selected for this workshop to gain some practical knowledge in order to help the victims during and after a disaster have happened.

The chief guest of the event was Dr. Sadhna Thakur, wife of Honourable Chief Minister of Himachal Pradesh. She is a Medical Superintendent in Vidhan Sabha Hospital in Chaura Maidaan

and also chairperson of Hospital Welfare Society, Himachal Pradesh. She arrived sharp at 10 AM to grace the occasion. Dr C.B. Mehta, the Principal of the college welcomed the chief guest and accompanied her for lighting of lamp in front of Saraswati Maan. Dr. GP Kapoor, coordinator of Disaster Management Cell and the Red Cross Unit of the college expressed her views about the three-day training programme along with its implications. She also welcomed the chief guest and the Principal along with other dignitaries. She elucidated the role of SDMA and Disaster Management Act of 2005.

Dr. Sadhna Thakur shared her thoughts about disaster management and explained its importance to the students. She appreciated the steps taken by the college administration and its collaborators SDMA and DOERS for organizing an awareness workshop for the students of the college. She advised the students to take this training seriously so that they can carry this skill throughout their lifetime. They were appealed to use their acquired skills at the time of emergency. She also spoke about the man-made disasters like road accidents, human bomb, fire accidents etc. and natural disasters like cyclone, landslides, floods etc. which are also increasing day by day due to global environmental changes. She boosted the morale of the team and advised the students to keep these activities, going along with academics in the future too. At the end of the inaugural session Mr. Vishal Rangta, co-convener of the college Disaster Management Cell



thanked the chief guest for sparing her valuable time for the students. He also presented a vote of thanks to all other guests and invited everyone for tea.

After having tea, Dr. G.P. Kapoor made her presentation on overall view of disaster management of HP. She narrated all the possibilities of man-made and natural disasters of HP. She also explained the basic

concepts of hazard, vulnerability, risk etc. of disaster management and how the preparedness in pre-disaster period can be useful to mitigate the impact during the disaster and also after it. She elucidated the standard operating procedures for rehabilitation camps after the disaster.

In this session of Disaster Management and Disaster Profile of HP, understanding of hazards and disaster, vulnerability analysis, responsive and non-responsive preparedness for disaster; do's and don'ts of tools in Disaster Management were the overall highlights. The key consideration for child was focused on psychological care during the event of disaster. The session came to an end with vote of thanks and the participants dispersed for lunch.

After lunch Mr. NavneetYadav, Associate Chairperson of DOERS shared with us his know-how of how to react during disaster. He told us about the use of Information and Communication Technology (ICT) in disasters. He discussed with the participants how to make the college disaster management plan and what information is required to formulate it. He also explained why it is necessary to have disaster management plan for any public and private place or property. However, its framework and process was followed by group work. It was followed by fire risk mitigation & management basics of search and rescue operations. The practical demonstration regarding evacuation, transportation of burnt patients & fire fighting was very useful along with practical exercise of first aid. The participants dispersed for tea break and the vice president of the college Red Cross unit, Mr. Mayank thanked the faculty for his knowledgeable talk.



On 20<sup>th</sup> August 2018, the morning session was addressed by Ms. Anuradha and Ms. Nidhi, members of the DOERS. During their discussion, they demonstrated the impacts of

disasters (physical, economical, sociological and psychological) and also how psychology can play an important role for further rehabilitation of the disaster victims. During their interactive session, seven techniques of psychological care were taught with the help of different activities in which students participated actively. They told the students about the various impacts of disaster on pregnant ladies, children, orphans, old people and the need of psychosocial therapy during disaster. They formed various groups and told them to write about the different impacts of disasters.

In the evening session Dr. Shonim from IGMC showed a presentation on medical first aid to volunteers. He educated how to uplift the patients who would have multi-fractured limbs during disaster. He also practically trained the students how to give the PCR, how to put the bandage and also how to stop the oozing of the blood.

In the morning session of 21st August 2018, Mr. Navneet Yadav reviewed the disaster plan and then he purposed four groups for the preparation of college disaster management plan.. A team comprising of four groups consisting of 9-10 volunteers each, was formulated to collect the data and identify hazards and places with potential for any disaster. Then they were sent to different blocks to hunt for the various hazards and disaster prone areas in the college. The participants visited all the blocks like science, arts, commerce, BCA, VVOC, library and administrative block



too. It was great fun and also was very informative as well as productive. The group leaders reported the various hazards and shared their views with the Principal of the college. The Principal later assured the students that all the necessary steps would be

taken to make the college safe.

In the evening session, Mr. Jagdish Sharma, CFO and Mr. D.C. Sharma imparted the knowledge



to the volunteers about fire outbursts and how to deal with it. They also shared some first aid knowledge with the volunteers and practically showed how to use different fire extinguishers for different types of fire.

In the end Dr. G.P. Kapoor thanked the principal for his immense support. Overall, the three-day training programme was very interesting,

informative and useful because it is going to remain forever with the participants.

**REPORT ON TWO DAYS WORKSHOP ON SCOPE OF BOTANY BEYOND PHYLOGENY CHARACTERIZATION TO APPLICATION ORIENTED RESEARCH.**

A two day workshop was organized by Department of Botany , Centre of Excellence G.C Sanjauli in collaboration with Wet lab championship & E-cell (IIT Bombay Event) on **SCOPE OF BOTANY BEYOND PHYLOGENY CHARACTERIZATION TO APPLICATION ORIENTED RESEARCH** on 4<sup>TH</sup> & 5<sup>TH</sup> March 2020. The resource person for the workshop was **Dr Tanuj Sharma, Extramural Research Scientist PRTE, Greater Noida**. The resource person was welcomed by **Prof Deepti Gupta H.O.D Department of Botany**.



Dr Tanuj elucidated the concept of Bioinformatics and stressed the role of programmes like **BLAST, PDB, SMP and SWISPROT** in the field of Botanical Sciences.

A total of 27 students of B.SC First, Second and Third year participated in the workshop.

The students were instructed to bring their Laptops and hands on training was provided to the students on programming and its importance in Botanical sciences



**makeintern** **WLC**

**National Level Competition For Bio-Science Students**  
Association with E-Cell (IIT Bombay Event)

**Centre of Excellence, Government Degree College, Sanjauli (H.P.)**

Organizing Two Days Workshop on  
"Scope of Botany, beyond the Phylogeny characterization to Application oriented research."

**When?** 4<sup>th</sup> & 5<sup>th</sup> March 2020

**Venue?** Centre of Excellence, Government Degree College, Sanjauli (H.P.)

**Fees?** Rs. 1500/- Per Student

**Whom?** Undergraduate & Post Graduate Students

**Head, Department of Botany :** Dr. Deepti Gupta (9418963037)

**Student Coordinators :** Ms. Pranjal  
Ms. Nikita Verma

**Finale**  
IIT Bombay

**wetlabchampionship.com** **sonu@makeintern.com** **+91-921263**



In the end a test was conducted to judge the knowledge gained by the students. The toppers and the student participants were felicitated by the **Principal of the college Dr C.B Mehta by certificates.**

Vote of thanks was presented by Tamana Papta of B.SC Second year. Feed back of the workshop was given by Diksha of B.SC First year.



## Bioinformatics and its application in Botany with Special emphasis on Sequence Analysis, Protein Structure Prediction and Molecular Docking

### Day 1

Module	Sessions	Time (Min)
Introduction	Introduction to Bioinformatics	30
	Application in context to Botany	15
Sequence Analysis	Introduction to Databases	45
	Nucleic Acid Databases	30
	Retrieval of Information from Nucleic Acid Databases	30
	Protein Databases	60
	Retrieval of Information from Protein Databases	45
Team activity	Skill Development for data retrieval	45
Sequence Analysis	Annotation of Nucleic Acid Sequences	45
	Annotation of Protein Sequences	30
	Phylogenetic Analysis	30

### Day 2

Module	Sessions	Time (Min)
Recap & Assignment	Review of Previous Day	30
Protein Structure Prediction	Protein Structure Prediction and its Application.	90
	And Practical using Free Softwares	90
Molecular Docking	Molecular Docking and its Applications	90
	Practical Using Free Softwares	90
	Workshop Wrap-Up	30

**TIME TABLE FOR THE SESSION 2021-22(ARTS BA-I,II &III)**

COU RSE	10:00AM TO 10:40AM	10:40AM TO 11:20AM	11:20AM TO 12:00NOON	12:00NOON TO 12:40PM	12:40PM TO 1:20PM	
<b>BA-I</b>	<b>DSC(1-6)</b>	<b>Hindi (Compls)</b>	<b>DSC(1-6)</b>	<b>DSC(1-6)</b>	<b>Eng. Compls)</b>	<b>Eng. AECC</b>
	Pub. Admn. (R.5)	Section=A, (1-2) (R9)	Hist.(Sec.-A, R9,	Eng.(R15)	Section=A(1-3)(R3)	Section=A(4-6)(R8)
	Pol. Sci.(Sec.-A, R.10) (Sec.-B, R.3)	Section=B(1-2)(R10)	Maths.(MR)	SKT(SR)	Section=B(1-3)(R4)	Section=B(4-6)(R10)
	Philos.(R.2)	Section=C(3-4)(R9)	Phy. Edu.(R8)	Music(MSR)	Section=C(1-3)(R5)	Section=C(4-6)(R1)
	Geog.(GR)	Section=D(3-4)(R10)			Section=D(4-6)(R3)	Section=D(1-3)(R8)
	J&MC (JR)	Section=E(5-6)(R9)			Section=E(4-6)(R4)	Section=E(1-3)(R10)
		Section=F(5-6)(R9)			Section=F(4-6)(R5)	Section=F(1-3)(R1)
<b>BA-II</b>	<b>DSC(1-6)</b>	<b>Eng. Compls.</b>	<b>DSC(1-6)</b>	<b>Hindi(Compls.)</b>		
	Hist. (R9, Sec.A, R2, Sec-B)	Section=A(1-3)(R6)	Pub.Admn. (R7)	Section=A(1-2)(R9)	Sociology(R6)	
	Maths(CLT)	Section=B(1-3)(R7)	Pol.Sci.(Sec.- A,R10, Sec- B,R4)	Section=B(1-2)(R10)	Hindi(R7)	<b>Remedial classes</b>
	Phy.Edu.(R4)	Section=C(1-3)R8)	Philos.(R5)	Section=C(3-4)(R9)	Eco.(GR)	
		Section=D(4-6)(R6)	Geog.(GR)	Section=D(3-4)(R10)		
		Section=E(4-6)(R7)	JMC(JR)	Section=E(5-6)(R9)		
		Section=F(4-6)(8)		Section=F(5-6)(R10)		
<b>BA-III</b>	<b>DSE(1-6)</b>	<b>DSE(1-6)</b>	<b>GE(1-6)</b>	<b>DSE(1-6)</b>	<b>DSE</b>	
	Eng.(R8)	Soc.(R5)	Pub.Admn. (R6)	Pub. Admn. (R7)	Hist.(Sec.A-R9, Sec.BR14)	
	SKT(SR)	Hindi(MR)		Pol.Sci.(Sec.A-R4, Sec.B-R.5)	Phy. Edu.(R2)	
	Music-I&V (MSR)	Eco.(GR)	Geog.(GL)	Philos.(R8)		<b>Remedial classes</b>
	Maths.(MR)		Soc.(R3)	Geog.(GR)		
			Eco.(R2)	J&MC(JR)		
			Phy. Edu.(SPTR)			
		Eng.(R15)				

			SKT(SR)			
			Music(MSR)			

\***Abbreviation:** - **CLT**=Chemistry Lecturer Theatre, **Compls.**=Compulsory, **EVS.**=Environment Studies, **GL**=Geology Lab., **GR**=Geography Room Communication Room, **MR**=Maths. Room, **MSR**=Music Room, **R**=Room, **SPTR**=Sports Room, **SR**=Sanskrti Room.

BA-I		BA-II		BA-III	
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1:20PM TO 02:00PM	2:00PM TO 2:40PM		2:40PM to 3:20PM
Sociology DSC (1-6)(R10)	EVS.		
Hindi(GR)			<b>Remedial classes</b>
Eco.(MR)			
<b>DSC(1-6)</b>	<b>SEC(1-3)</b>		
Eng.(R9)	Pub. Admn.(R4)	Phy. Edu.(SPTR)	<b>NCC, Theory, (Tue.), NCC, Practicl, (Fri).</b>
SKT(SR)	Pol.Sci.(R9)	SKT(SR)	
Music(MSR)	Philos.(R5)	Music(I &V)(MSR)	
	Geog.(GR)	ENGLISH (R3)	
	J&MC(JR)		
	Soc.(R6)		
	Hindi(R7)		
	Eco.(R8)		
	Hist.(R10)		
<b>GE</b>	<b>SEC (4-6)</b>		
J&MC(JR)	Pub. Admn.(R4)	ECO.(R8)	<b>NCC, Theory, (Wed.), NCC, Practicl, (Fri).</b>
Pol.Sci.R6	Pol.Sci.(R9)	Hist.(R10)	
Hist. R7	Philos.(R5)	Phy.Edu.(SPTR)	

	Geog.(GR)	SKT(SR)
	J&MC(JR)	Music-
	Soci.(R6)	ENGLISH (R3)
	Hindi(G7)	

m, **I&V**=Instrumental and Vocal, **JR**=Journalism & Mass

Principal



**Topics Taken by Advance learners**

<b>G/Leaders</b>	
<b>GL-1</b>	<b>Compton Effect, Numerical problems, Schrodinger time independent equation</b>
<b>GL-II</b>	<b>Energy and momentum operators, numerical, expectation values</b>
<b>GL-III</b>	<b>Spectrum of Hydrogen atom, Particle in Box and its wave function, <math>E &gt; V</math></b>
<b>GL-IV</b>	<b>Harmonic Oscillators, Binding Energy</b>
<b>GL-V</b>	<b>Semi-Empirical mass formula, short question answers of Atomic nucleus and its properties</b>
<b>GL-VI</b>	<b>Energy loss due to ionisation, Ionization Chamber, Proportional Counter, Cyclotron</b>
<b>GL-VI</b>	<b>Classification of elementary particles, Conservation laws</b>
<b>GL-VII</b>	<b>Quark Model, Betatron</b>

*Handwritten signature*

## Remedial Classes Report

Session -2022-23

**Subject: Elements of Modern Physics (PHYS301)/Nuclear Physics (PHYS304)**

The following students were identified as slow learner on the basis of their overall performance during the classes and the marks obtained by them in the Mid - term Exams. A group of them was formed with marks 07 or less than 07 out of 15 to attach them to the group of Advance learners to bridge the learning gap

### Under Achievers:

Sr. No.	University Roll No	Class Roll No	Name
1	2201060002	2001451134	Akshit Verma
2	2200840148	2001451027	Sahil dhiman
3	2200860168	2001453043	Tushar
4	2200840001	2001451112	Aakash pa
5	2200840035	2001451097	Ashish Rana
6	2200840030	2001451010	Anshul Negi
7	2200860008	2001453035	Abhishek Chauhan
8	2200840071	2001451111	Hitesh Negi

The following students were identified as Advance learner on the basis of their overall performance during the classes and the marks obtained by them in the Mid - term Exams. A group of them was formed with marks 14 & 15 out of 15 to attach them to the group of slow learners to bridge the learning gap

**Advance Learners:**

Sr. No.	University Roll No	Class roll no	Name
1	2200840045	2001451099	Charu thakur
2	2200820132	2001451127	Priyanka Sharma
3	2200840021	2001451012	Anjali
4	2200840007	2001451006	AKHIL
5	2200840043	2001451102	Bhakti prakash
6	2200840131	2001451104	Reema
7	2200840069	2001451094	Himani
8	2200840009	2001451082	Akshansh Khachi
9	2200840090	2001451067	Mehender kumar
10	2200840102	2001451036	Nikhil
11	2200840028	2001451052	Ansheen Chopra
12	220084 0132	200145 3013	Renuka Thakur
13	2200840103	2001451061	Nikhil
14	2200840113	2001451022	Prabhat Verma
15	2200840144	2001451049	Rohit Chauhan
16	2200840115	2001451063	Pranav Prakash
17	2200840149	2001451035	Sahil Jamiyan
18	2200840023	2001451005	Anjali Verma
19	2200840092	2001451098	Mohit sharma
20	2200840098	2001451014	Neha himral
21	2200840046	2001451076	Chetna Thakur
22	2200840117	2001452002	Prikshit Verma
23	2200840053	2001451089	Deepika
24	2200840193	2001451053	Vishali rapta
25	2200840002	2001451087	Abhay Thakur
26	2200840093	2001451059	MONIKA
27	2200840039	2001451079	Avantika



28	2200840085	2001451046	Mamita Thakur
29	2200840094	2001451088	Mridul
30	2200840079	2001451001	Kriti
31	2200840175	2001451090	Swati Thakur

The group leaders were made out of the Advance learners and they provided necessary guidance in the form of Remedial Classes to underachievers to meet their learning demands. The topics given by slow learners were presented in the form of presentations and discussions during the remedial classes. After evaluating the assignments and exercises given to underachievers post Remedial sessions, the Underachiever group performed better and increase in their learning ability was seen.

*Swati*  
*Thakur*

*Swati*  
**Dr Kirti Singha**  
**Dept of Physics**

## Remedial Classes Report

Session 2022-23

Subject : Translation Studies SEC 205

The following students were identified as slow learner on the basis of their overall performance during classes throughout the session and a group of them was formed to attach them to the group of Advance learners to bridge the learning gap.

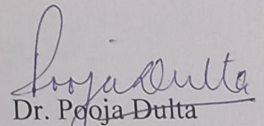
### UNDERACHIEVERS

Roll nos.	Name
1. 210508002	Lakshit Thakur
2. 210524009	Abhishek Chauhan
3. 210535014	Kiran Sharma
4. 210535029	Priyanshu Chauhan
5. 210535030	Sujal Ramchaik
6. 210535028	Nihasa Diwan
7. 210535026	Jagriti
8. 2105450007	Pranav Duggal

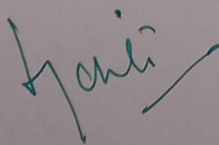
### ADVANCE LEARNERS

1. 210515006	Sarabjeet Singh
2. 210524002	Lomisha
3. 210508024	Vishakha Sharma
4. 210508002	Adarsh Verma
5. 210524029	Ritika
6. 210535008	Diksha Sharma

The advance learners provided necessary guidance in form of remedial classes to the underachievers to meet their learning demands. After evaluating the assignments and exercises given to the underachievers post remedial sessions, the underachiever group performed better and an increase in their learning ability was seen.

  
Dr. Pooja Dulta

Dept of English



## Remedial Classes Report

Session 2022-23

Subject: English compulsory /AECC 104

The following students were identified as slow learner on the basis of their overall performance during classes throughout the session and a group of them was formed to attach them to the group of Advance learners to bridge the learning gap.

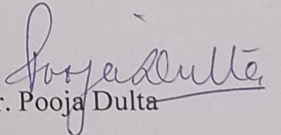
### UNDERACHIEVERS

Roll nos.	Name
1. 22528014.	NidhiKumari
2. 22523015.	Pallavi
3. 22525004.	Priyanka Bansal
4. 22529010.	Yachna
5. 22529014.	Rahul Chauhan
6. 22525003.	Sarthak Sharma

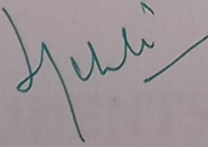
### ADVANCE LEARNERS

1. 1.22522016.	Praduman Sharma
2. 2.22524031.	SnehaNautiyal
3. 3.22524004.	Shashikiran
4. 4.22522019.	HimaniVerma
5. 5.22524040.	Saksham Dutta
6. 6.22522019.	Hiamani Verma
7. 7.22522024.	Anshita Thakur

The advance learners provided necessary guidance in form of remedial classes to the underachievers to meet their learning demands. After evaluating the assignments and exercises given to the underachievers post remedial sessions, the underachiever group performed better and an increase in their learning ability was seen.

  
Dr. Pooja Dulta

Dept of English





NAAC Accredited 'B+' Grade College

Centre of Excellence

GOVT. COLLEGE, SANJAULI, SHIMLA -171006, H. P.

WEB SITE: [www.gcsanjauli.com](http://www.gcsanjauli.com)

E-Mail Address: [principalsanjauli@gmail.com](mailto:principalsanjauli@gmail.com)

FAX/ Tel. No: 0177-2640332

No. EDN-COE-GCS-SML-Virtual Board/2021

Dated: 29.09.2021

Time 2.40 - 4.00 PM

Time Table for

Interactive/Virtual Board Utilization

Sr. No.	Date	Subject	Mentor
1	4 <sup>th</sup> October, 2021	English	Dr. Sandhya Sharma
2	5 <sup>th</sup> October, 2021	Hindi, SKT, PHIL	Dr. S.N. Snehi
3	6 <sup>th</sup> October, 2021	Political Science	Dr. Devender Chand
4	7 <sup>th</sup> October, 2021	Political Science	Prof. Namita C. Khagta
5	8 <sup>th</sup> October, 2021	History	Dr. Kishori Lal
6	9 <sup>th</sup> October, 2021	History	Prof. Savita Kumari
7	11 <sup>th</sup> October, 2021	Sociology	Dr. Amrit S. Mehta
8	12 <sup>th</sup> October, 2021	Pub. Admin.	Dr. Purnima Thapar
9	13 <sup>th</sup> October, 2021	Geography, Geology	Prof. Shubham Choudhary
10	14 <sup>th</sup> October, 2021	Geography, Geology	Prof. Saachi Sood
11	16 <sup>th</sup> October, 2021	Economics	Dr. T.R. Sharma
12	18 <sup>th</sup> October, 2021	Phy. Edu., Music	Dr. O.P. Kaul
13	19 <sup>th</sup> October, 2021	B.Com.	Dr. Ajay Kaith
14	21 <sup>th</sup> October, 2021	B.Com.	Dr. Ruby Kapoor
15	22 <sup>nd</sup> October, 2021	Botany, Zoology	Dr. Nidhi Dhatwalia
16	23 <sup>rd</sup> October, 2021	Botany, Zoology	Prof. Deepti Gupta
17	25 <sup>th</sup> October, 2021	Physics	Dr. Monika Chandel
18	26 <sup>th</sup> October, 2021	Chemistry	Dr. Vikas Nathan
19	27 <sup>th</sup> October, 2021	Maths.	Dr. Anjana Sharma
20	28 <sup>th</sup> October, 2021	Maths.	Dr. Poonam Sharma
21	29 <sup>th</sup> October, 2021	JMC	Prof. Sandesh Kumar
22	30 <sup>th</sup> October, 2021	Computer Science	Prof. Mrityunjay Sharma
23	8th November 2021	English	Dr. Himani Saxena
24	9th November 2021	Hindi, SKT, PHIL	Dr. S.N. Snehi / Kamlish
25	10th November 2021	Political Science	Dr. Devender Chand
26	11th November 2021	Political Science	Prof. Namita C. Khagta
27	12th November 2021	History	Dr. Kishori Lal
28	13th November 2021	History	Prof. Savita Kumari
29	15th November 2021	Sociology	Dr. Amrit S. Mehta
30	16th November 2021	Pub. Admin.	Dr. Purnima Thapar

31	17th November 2021	Geography, Geology	Prof. Shubham Choudhary
32	18th November 2021	Geography, Geology	Prof. Saachi Sood
33	20th November 2021	Economics	
34	22nd November 2021	Phy. Edu., Music	Dr. O.P. Kaul
35	23rd November 2021	B.Com.	Dr. Ajay Kaith
36	24th November 2021	B.Com.	Dr. Ruby Kapoor
37	25th November 2021	Botany, Zoology	Dr. Nidhi Dhatwalia
38	26th November 2021	Botany, Zoology	Prof. Deepti Gupta
39	27th November 2021	Physics	Dr. Monika Chandel
40	29th November 2021	Chemistry	Dr. Vikas Nathan / Rita Choudhary
41	30th November 2021	Maths.	Dr. Anjana Sharma
42	1st December 2021	Maths.	Dr. Poonam Sharma
43	2nd December 2021	JMC	Prof. Sandesh Kumar
44	3rd December 2021	Computer Science	Prof. Mrityunjay Sharma
45	4th December 2021	English	Dr. Kamayani Bisht
46	6th December 2021	Hindi, SKT, PHIL	Dr. S.N. Snehi / Dr. Banu + 9
47	7th December 2021	Political Science	Dr. Devender Chand
48	8th December 2021	Political Science	Prof. Namita C. Khagta
49	9th December 2021	History	Dr. Kishori Lal
50	10th December 2021	History	Prof. Savita Kumari
51	11th December 2021	Sociology	Dr. Amrit S. Mehta
52	13th December 2021	Pub. Admin.	Dr. Purnima Thapar
53	14th December 2021	Geography, Geology	Prof. Shubham Choudhary
54	15th December 2021	Geography, Geology	Prof. Saachi Sood
55	16th December 2021	Economics	
56	17th December 2021	Phy. Edu., Music	Dr. O.P. Kaul
57	18th December 2021	B.Com.	Dr. Ajay Kaith
58	20th December 2021	B.Com.	Dr. Ruby Kapoor
59	21st December 2021	Botany, Zoology	Dr. Nidhi Dhatwalia
60	22nd December 2021	Botany, Zoology	Prof. Deepti Gupta
61	23rd December 2021	Physics	Dr. Monika Chandel
62	24th December 2021	Chemistry	Dr. Vikas Nathan / Dr. Yogesh
63	27th December 2021	Maths.	Dr. Anjana Sharma
64	28th December 2021	Maths.	Dr. Poonam Sharma
65	29th December 2021	JMC	Prof. Sandesh Kumar
66	30th December 2021	Computer Science	Prof. Mrityunjay Sharma
67	31st December 2021	English	Dr. Vinay Mohan

Principal  
Centre of Excellence  
Govt. College Sanjauli  
Shimla-171006

दिनांक - 05-10-2020

हिन्दी विभाग, संस्कृत और दर्शनशास्त्र

व्याख्यान - नोट्स एवं एंगमेंट्स

पुस्तिका - डॉ० नीरेन्द्र सिंह,

सहायक आचार्य क्षेत्रीय अध्ययन केन्द्र

धर्मशाला, हि. प्र. विश्वविद्यालय

उपस्थित प्राध्यापक - डॉ० कामना नेगी

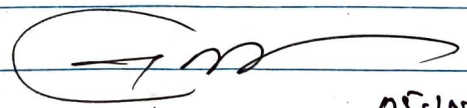
डॉ० सिंगो (नेही)

डॉ० साविता ठाकुर

डॉ० पुनमा वर्मा

सत्रकाल सत्र में 3.00 बजे से 4.00 बजे तक यह व्याख्यान हुआ जिसमें

56 विद्यार्थी उपस्थित रहे। इस सत्र में विषय की विस्तृत जानकारी दी गई जहाँ विद्यार्थियों की अनेक अवधारणाएँ स्पष्ट हुईं। निम्नलिखित एक संबंधित और उपयोगी सिद्ध हुआ।

  
05-10-20  
डॉ० सिंगो नेही

6

Dated: 06.10.2021

Department: Political Science

Topic of the lecture: Relevance of Gandhi in 21<sup>st</sup> Century

Resource Person: Dr. Ved Prakash Sharma

National Law University Shimla.

Time: 2 PM to 3 PM

Today department of Political Science organized an virtual lecture in IT lab for the students of Political Science, B.A. 3<sup>rd</sup> year SEC and B.A. 2<sup>nd</sup> year SEC class. Around 45 students were present in the lecture. Lecture was very informative and students participated in the deliberations very aptly. Prof Manish Khajuria was also present in the lecture.

~~Devender~~  
Devender Sharma

Deptt. of Sociology

11/10/2021

Today on 11 Oct 2021 Deptt. of Sociology conducted a lecture of Prof Sujit Surach Associate professor of G. C. Palampur on Topic Population, Past Present and future. in which 23 students were present (15 3<sup>rd</sup> year & 8 2<sup>nd</sup> year) session was very interesting and at last interactive session was conducted & session ends with smile and clapping.

Dated: 16-10-2021

Department of Economics

Topic:- Impact of COVID-19 on the Agricultural and Rural Sector in India

Resource Person: Dr. T. C. Kapoor, Asstt. Prof.

Department of Economics  
H.P.U. Shimla-5

Time: 11:20 to 1 P.M

Department of Public Administration

12/10/2021

Today on 12<sup>th</sup> Oct 2021 Department of Public Administration conducted a Lecture of Prof. Manita Mokta chairman Department of Public Administration Himachal Pradesh University. Her lecture was on communication skills and there were approx 40 students. Lecture was very interesting informative and students participated and learn the communication skills.

Thapar

Dr. Purnima Thapar  
Dept of Pub. Adm



Dated: 18.10.2021

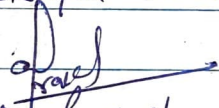
Department: Music

Topic: Rag Darbari and in Different Forms.

R.P: Dr. T.C. Koul, Dept<sup>n</sup> of Music, HPU.

Today, Department of music organized a virtual lecture to the student of SEC, B.A III<sup>rd</sup> & II<sup>nd</sup>. Lecture started at 2:40 pm and ended at 4:00 pm. Around 30 students participated in the online lecture and interacted with the R.P. very actively.

- Along with the students few teachers from dept<sup>n</sup> of Pol. Science, Computer Science & Zoology also attended the lecture. He turned very useful and interactive for the students.

  
Dr. Om Prakash  
Assistant Professor  
MUSIC (VI)

Date of : 25-10-2021

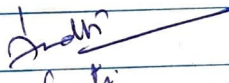
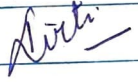
Department : Physics

Title of the talk : Longevity through Nanotechnology.

Resource Person : Dr. Brijesh Chauhan

Gout. PG College Seema.

Department of physics organized a virtual board talk on Oct, 25, 2021 for all the students of B.Sc. studying physics. The title of the topic was longevity through nanotechnology. The talk started at 2:30 PM to ~~around~~ around 4 PM in the evening. All the students interacted with the Resource person quite actively & put many questions of their interest about the topic. The talk was very enlightening & full of knowledge. The students were happy & satisfied. All faculty members of physics Department were present during the talk.

1. Dr. Vidya Nidhi 
2. Dr. Kirati Singha 

Dated: 10/11/2021

Department of Political Science, Organized a Virtual Board talk on the topic "Human Rights: Issues and challenges". Resource person for the talk was Dr. Joginder Saklani, Associate Professor, Dept of Political Science, ICDEOZ, H.P University. Talk was very enlightening, brainstorming and useful for the students as well as teachers. Various issues related to Human Rights were discussed elaboratively in the talk and students actively participated and interacted with the resource person.

Name

- Ms. Namita Khagla
- Mr. Devender Sharma

Dated: 15/11/2021

Today on 15 Nov-2021 Deptl- of Sociology organized a virtual interactive board talk on topic Research in Sociology the Resource person was Dr. Mohinder Salanya, Associate Prof. Govt- College Chamba. talk was very simple, clear and motivating. All students got clear idea of Research steps. Question answer session was also held at last.

Name  
Arun Mehta  
Asst-Professor

Dated 16/10/2021

Department of Public Administration, organised a lecture through Virtual Board on the topic "Time Management". This was a very energetic and informative lecture by Dr S.K. Goel Trainer, Motivational Speaker and administrator at IAS research and training. Many students interact with the Resource person quite actively and ask many questions of their interest about the topic.

Dr. Purnima Thapar

Dated 13/11/2021


Department of ~~Public~~ History organised a Virtual Board talk on the topic 'Mughal Art & Architecture'. Resource person for the same was Prof. Vikram Bhargava, Associate Professor, Dept. of History, G. D. C. Theog, Shimla. Talk was very enlightening and valuable for the students. Number of students was 41. They participated actively and interacted with the resource person. They asked their question regarding the topic and R.P. satisfied them in well manner.

Sand  
Savita Kumari

Date 24/11/2021

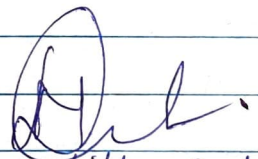
On this date department of Commerce,  
organized a Virtual Board talk on the  
topic "Motivation, Value and ethics"

Resource person for the talk  
was Prof. Rajendra Singh, Asst. Prof.  
Govt. Degree College Jhanda ghal,  
Department of Commerce. The talk was  
very effective and fruitful for the  
students of Commerce. They raised various  
questions on the topic and all were  
fully satisfied.

  
Dr. S. P. Singh  
Department of Commerce

Dated 25/11/2021

Department of Zoology, organized a Virtual Interactive Board talk on the topic Animal Husbandry. Resource person for the talk was Dr Rahul Meji (Senior Veterinary Doctor, Municipal Corporation, Shriwala). Talk was very enriching, brainstorming and enlightening for the students and the teachers. Students thoroughly enjoyed the lecture and asked lot of questions related to the topic. Resource person satisfied all the students by answering their queries and also applauded the students for their active participation. On the whole it was a wonderful experience for every one in the virtual class and fostered confidence and leadership qualities in students who has put forth so many queries and answered questions asked by the Resource person confidently.



Dr. Madhi Dhanda  
Assistant Professor  
Deptt. of Zoology.

Dated 26/11/21.

Today, the department of Botany organized a virtual board talk on "Ethnobotanically important plants of Himachal Pradesh".

The resource person for the day was Dr Nitish Chauhan, Assistant Professor, Department of Botany, Himachal Pradesh University, Shimla. The resource person introduced the topic to the students with the help of a power point presentation and described the various economically important plants growing in HP with the help of images. The students were interactive and asked good questions from the resource person. Overall the students benefitted from the talk and it acted as a torch bearer for their future where students get guidance from the speaker.

Dr.  
Dheeraj Gupta

Assistant Professor

Dept of Botany

Dated 27/11/2021


Today, Department of physics, organized a virtual board talk on the topic "Ab initio Calculations" - Nano Science for the students studying physics. The speaker of the day Dr. Brij Mohan Prajapati, Asst. Prof in physics, Govt College Reckong Peo, Kinnaur enlightened the students with simulations & how is it used in nano level to solve any physics problems. The talk was quite interactive, as many students cleared their doubts about, how any research process without using laboratories. All the students were happy to get to know about this new concept of problem solving method. All the faculty members of Department of physics were present during the talk.

1. Dr. Anant Vedya Nalhi Jdh
2. Dr. Kirti Singh Nishi
3. Dr. Monika Chandel mif



Dated 29/11/2021

Today, Department of Chemistry, organized a virtual board talk on the topic "Understanding Chemistry" for the students of Chemistry. The resource person for the day was Dr. M. S. Chauhan, Prof. Physical Chemistry H.P.O. Shimla. He enlightened the students about the basic Chemistry. He gave the information about the everyday Chemistry and enriched the students knowledge about the functional chemistry. Students also asked the questions about the careers in Chemistry and were satisfied by the answers. All the students were motivated to go to the research in Chemistry.

  
29/11/2021

Rita Chandel,  
Asstt. Prof.,  
Deptt. of Chemistry

04.12.2021.

The Department of English hosted a virtual interaction between students of MA 1st and 3rd semesters, and B.A. final year students on the theme of "Life Skills". Prof. Praveen Kumar, (retd. principal, G.C. Saraban) spoke about the various skills we need to sail through the rough seas. Thirty eight students constituted a host audience. The talk was followed by a lively discussion between the invited speaker and the students.

Two teachers from the department attended the session:

Dr. Vinay Mohan Sharma  
Dr. Kamayani Bisht.

06/12/24

Activity : → Interactive/Virtual Board Usage

Speaker : → Dr. Pankaj Basotra

Associate Prof. Dept. of  
Philosophy C. Rajiv Gandhi Govt. Degree College

Shimla :

Topic : → "संस्कृत, हिंदी एवं दर्शनशास्त्र का  
समकालीन संकट"

Participation : → Hindi, Sanskrit and  
Philosophy Dept.

Students Strength : 43 (tentative)

1. Dr. Satya Narayan Sneh
2. Ms. Babita Thakur
3. Dr. Poonama Verma.

21/12/21

The Deptt. of Zoology organized a Virtual Interactive Board talk on the topic "Morphogenetic Movements". The resource person for the talk was Dr Radhika Jambal, Asst. Prof., Deptt. of Zoology, Sardar Vallabhbhai Patel, Cluster University, Mandi, H.P. The lecture was very interactive and the students thoroughly enjoyed it. They asked questions and the resource person answered to their questions and made the session very interactive. About 60 students attended this lecture.

Keprate

Suivani Keprate  
Asst. Prof.  
Deptt. of Zoology

## **FACILITIES AND ACTIVITIES IN THE COLLEGE**

### **1. Cultural and Academic Societies**

Each student is to be a member of at least two clubs/societies; one academic club and at least one extra-curricular club. Students' library cards will have provision for signatures of teacher-in-charges of these clubs on registration in the club. Every student must ensure presence in the functions of these clubs and societies, failing which they will be fined. The institution has various clubs & societies:

- |                                |                      |
|--------------------------------|----------------------|
| a) <i>Sahitya Parishad</i>     | g) Jijeevisha Club   |
| b) The Planning Forum          | h) Red Cross Society |
| c) Nature/Eco Club             | i) Human Library     |
| d) Young Speakers' Association | j) Photography Club  |
| e) Theatre Club                | k) Art Club          |
| f) Sports Club.                | l) Book Club         |

**Apart from the above, every subject has its own subject society.**

### **2. Mentor Programme**

The college provides for a mentorship programme to ensure that students have a guardian-mentor in college. Each student will have a teacher-mentor in the college. Students will be required to attend a mentor-mentee session every last Saturday of the month (or as notified in the time table). The mentees will get their cards signed by the mentors in each session. Students will be penalized / fined for the sessions they miss.

### **3. NCC & NSS**

The College has very active and well-organized units of the NCC and the NSS whose activities are spearheaded by teachers with long experience in their respective fields.

### **4. Sports**

The College Calendar gives great importance to various activities in sports. We have the proud privilege of representing the University and the State in many National and Zonal level sports competition. The College also has a good Gymnasium for sports persons.

### **5. Rovers & Rangers**

The College has well organised units of Rovers & Rangers activities.

### **6. Jijeevisha**

A social outreach unit, this unit endeavours to inculcate a sense of brotherhood and responsibility towards all humanity.

### **7. Human Library**

The Human Library is an international organization and movement that first started in Copenhagen, Denmark, in 2000. It aims to address people's prejudices by helping them to talk to those they would not normally meet. The organisation uses a library analogy of lending people rather than books. These people have "experienced prejudice, social exclusion or stigma," and participants can ask them questions so as to "learn about the other person and also challenge their own prejudices. (Wikipedia) The Human Library in Government Colleges Sanjauli invites students and teachers to join as books or as readers. We shall read real people as real stories and broaden our horizons beyond social prejudice.

### **8. Photography Club**

The Photography club seeks to promote creativity through photography. Students will be encouraged to share and constructively critique the photographs of peers, to educate and improve technical skills, to spread the love of photography and to realize the diversity of

perspectives. The best five pictures of the month will find place of honour on the college website.

### **9. Art Club**

The Art Club is where practicing artists or aspiring artists can come together to develop and share their work, collaborate with likeminded people, create bonds with the community through art and come together for group projects that will benefit the college and the community. We do not teach painting or sculpture but we promote students to help each other discover their potential and experiment with their own.

### **10. Book Club**

The Book Club invites students to build a community of readers to augment each other's understanding of books, other than those read as part of the academic curriculum. The club realizes that reading books is a habit that the world seems to be losing. It seeks to (re)build our relationship with books. The club invites authors to meet their readers and to inspire them to become writers.

### **11. Scholarships**

There are various provisions to grant scholarships in various categories to the deserving students as per the rules/directions issued by the state government from time to time. Some important categories are as follows:

- a) IRDP,
- b) SC/ST -- it is restricted to certain income level as applicable by the order of H. P. Govt.
- c) 'Brilliant students scholarship of H.P'--This scholarship is available only for those students who fulfil the following requirements:
  - i) He / she should be a bonafide resident of Himachal Pradesh.
  - ii) He/she should have passed plus two from H.P. Board.
  - iii) He/she should have secured a minimum of 77% marks in 10+2.
  - iv) He/she should have secured a minimum of 60% marks at TDC I or II as applicable.

### **12. Career Guidance and Job Placement**

This cell helps students by providing guidance about career options and information about job placements through various Govt. and private agencies. It arranges lectures by experts and concerned officials for selection of better & suitable career options.

### **13. College Magazine**

The College publishes its magazine HIM RASHMI annually which provides a forum to the students with a flair for writing.

### **14. College Library**

The College is a member of the Project "National Library and Information Services Infrastructure for Scholarly Content (N-LIST)", being jointly executed by the UGC-INFONET Digital Library Consortium, INFLIBNET Centre and the INDEST-AICTE Consortium, IIT Delhi. This project provides free access to a collection of more than 76000 e-books and more than 7000 e-journals on all the subjects to students, researchers and faculty members. Many new academic e-resources are added to this facility nearly every month. Full text e-books can also be downloaded or printed directly from the publisher's website under this project. The students desirous of using this facility are directed to contact Librarian/Assistant Librarian along with their e-mail IDs. Computers with internet access



## An Educational Tour Report



One day Educational trip was organized by Department of Physics, Centre Of Excellence Govt. College Sanjauli, Shimla under UPSS (Undergraduate Physics Students Society on September 6, 2019 to visit a domestic Hydroelectric power generation plant at Sh. Naresh Thakur's House at village Aslu near Darlaghat, Distt. Solan, Himachal Pradesh. The tour comprised students of B.Sc. VIth semester (SEC) accompanied by faculty members, Prof. Kirti Singha and Prof. Monika Chandel from Deptt. Of Physics. All the students were directed to gather at College Hostel gate at 9:30 AM. Principal of the college Dr. C.B. Mehta ji wished all the students best and safe journey.



We started our journey at 10 o'clock with *Lalit Bus Service* and reached at 12:50 PM at the location. Sh. Naresh Thakur and his family members warmly welcomed all of us. Tea and snacks were served to all guests. After that all students along with faculty members were taken to the site, where the plant to generate the electricity was installed. Mr. Naresh Thakur and his brother told us that they started the project in 2012 and demonstrated different components used for electricity generation. The water from a local river called 'Aligaad' was channelized to fall from a suitable height (about 20ft) to rotate the turbine. Primarily the concept was taken to make traditional water flour mill (gharat) and further extended to generate electricity. It was an amazing effort by Mr. Naresh to make the concept practically happen.

**Working:** The channelized water was allowed to fall on the turbine to make it rotate in turn, was making wheel rotate, which was connected to alternator, converting mechanical energy into electricity. The plant



**Water pipe**

**Turbine**



**Assembly**

Was producing 200KWatt power. To get 220V supply, it all depends on the how fast the water make to flow. Every student asked many questions about the plant and saw the things practically what they keep on studying in Physics books. Overall, it was a great experience.



**Alternator**

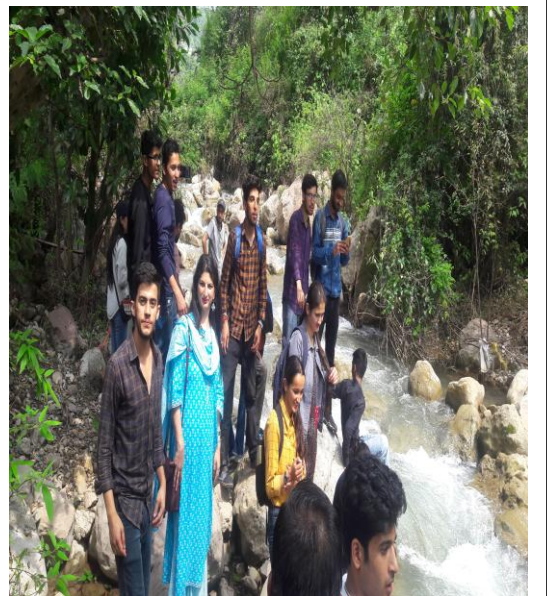
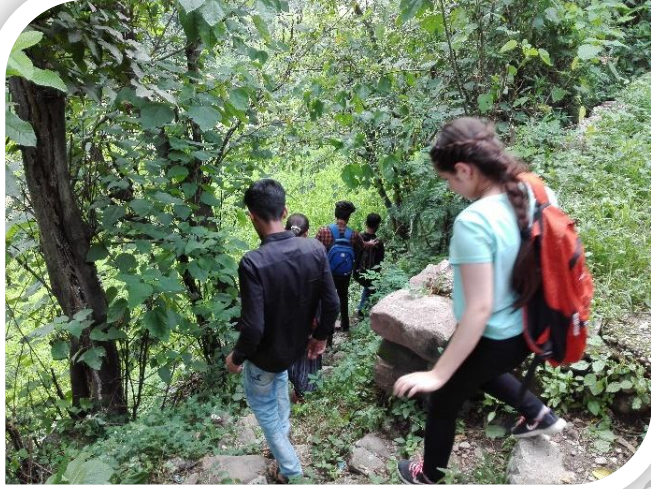
**Turbine connected to wheel**





It was a new, interesting and informative experience for all of us. We visited the river spot as well. Thakur family also arranged delicious lunch for us followed by jam session on request from Thakur family, in which all enjoyed by singing and dancing. Then, we took group photographs with Thakur family and thanked them for their hospitality. We departed at 4:00 PM from there to Shimla. We all had safe and enjoyable journey with lots of information.







**On behalf of Centre of excellence Govt. degree College Sanjauli-06, We presented Mr. Naresh thakur a token of regard for his outstanding co-operation and amazing hospitality.**



**Report compiled by Kapil, BSc.VI th semester.**

**Edited and submitted by Kirti Singha(HOD), Deptt. Of Physics.**

## Historical Sites Covered in Education Trip

In college Education Trip that was scheduled between 18 Jan- 27 Jan 2020; keeping in mind the interest of history students several sites were visited. The following sites were visited on following dates:-

<b>SITES</b>	<b>DATE</b>
1) Pinjore Gardens	18 Jan, 2020
2) Chhatrapati Shivaji Maharaj Vastu Sangrahalaya	20 Jan, 2020
3) Gateway of India	21 Jan, 2020
4) Elephanta Caves	21 Jan, 2020
5) Agauda Fort	23 Jan, 2020
6) Archaeological Museum of Goa	24 Jan, 2020





The aim of visiting these sites was to give a nearer insight about the architecture, art and culture of historic times. Students gave very positive reviews for this opportunity to get the first hand experience of exploring these historical sites