



## **SUPPORTING DOCUMENTS**

### **2.3.1**

#### **EXPERIENTIAL, PARTICIPATIVE LEARNING AND PROBLEM-SOLVING METHODOLOGIES**



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## EXPERIENTIAL LEARNING

### Learning In Laboratories



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## Display of Geographical Instruments to the Students

On October 22, 2021, Dr. Pankaj Aashish, Assistant Professor, Department of Geography displayed various geographical instruments to students. He gave them a brief information about each gadget/ instrument which are used in Geography and also demonstrated their uses.



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## Paper Recycling Unit

Faculty and students of all departments visited the paper recycling unit in the college from April 18 to April 28, 2022. The whole process of paper making was demonstrated to the students starting from shredding the paper to soaking, grinding into pulp, spreading the pulp in moulds, compressing to squeeze excess water and finally putting it in the drying machine.



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### Industrial Visit for M. Com Students

- 1) On December 27, 2021 an industrial visit to the Directorate of Horticulture, Nav Bahar, Shimla was organized by the Commerce Department for M. Com students. The visit was made to impart practical knowledge through hands on experience.



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2) On May 4, 2020 another industrial visit to Horticulture department, Himachal Pradesh, Shimla for BBA and M. Com Students was organised by the Commerce and Management Department and students visited various sections of the department and a technical expert from the Horticulture Department demonstrated the process of making pickles, squashes, jams and pickles. He also explained the process of preserving these in containers. The students also visited the green house maintained by the department and purchased various medicinal and ornamental plants.



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## Field Trips

The department of Geography St. Bede's College organized a Field Survey Tour to Renuka Valley (District Sirmaur) in the month of December 2021. The students actively participated in the data collection through different methods on various topics like physio-socio-economic, agricultural and horticultural development and the impact of Covid on the education and health sector. Students covered different study areas of the village and collected the relevant data.

### Educational Trip to ICAR-DMR, Chambaghat, Solan,



Unnamed Road, Andheri, Himachal Pradesh 173023, India

Latitude	Longitude
30.71191606°	77.47036552°
Local 11:55:11 AM	Altitude 1706.65 meters
GMT 06:25:11 AM	Sunday, 19-12-2021



SH 2, Bag Pashog, Himachal Pradesh 173024, India

Latitude	Longitude
30.75856347°	77.16439769°
Local 01:16:43 PM	Altitude 1626.05 meters
GMT 07:46:43 AM	Tuesday, 21-12-2021



Unnamed Road, Himachal Pradesh 173023, India

Latitude	Longitude
30.710935000000003°	77.47109999999999°
Local 01:45:16 PM	Altitude 1658.3 meters
GMT 08:15:16 AM	Sunday, 19-12-2021

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Department of Botany organized a one-day educational trip to ICAR-Directorate of Mushroom Research, Chambaghat, Solan on 16<sup>th</sup> December, 2021, for the students of B.Sc. II and III year along with the teachers of Botany department. The team was guided by Dr. B.L. Attri - Principal Scientist of the Directorate. Students joined a webinar on "Natural farming" in the seminar hall of Research Centre which was addressed by Prime Minister Narendra Modi. After the brief introduction students were taken to the field visit. He familiarized students with step-by-step techniques that are used for Mushroom cultivation like preparation of spawn, creating compost and finally cultivation of Mushrooms. The field trip enabled students to look into all possible perspectives of the subject and helped them grasp the information for future reference.



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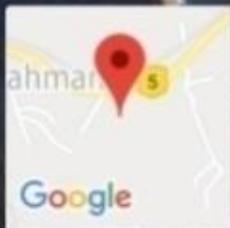
Solan, Himachal Pradesh, India

W4F2+3P5, Chambaghat, Himachal Pradesh 173213, India

Lat 30.921979°

Long 77.102348°

16/12/21 12:42 PM



Solan, Himachal Pradesh, India

NH 5, Chambaghat, Himachal Pradesh 173213, India

Lat 30.921967°

Long 77.103562°

16/12/21 01:34 PM

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### Field Visit to Jakhu Hills

On February 19, 2022. Department of Botany organized an excursion to Jakhu to acquaint students with the flora of that part of Shimla.





## Webinar/ Workshops/ Seminar

Program for Aspiring Women Scientists (PAWS) was conducted by Homi Bhabha Centre for Science Education & IPA'S Gender in Physics Working group on '*Combating Imposter Syndrome and biases*' on February 26, 2022.

The Eminent personalities from the field of Science and Research, Dr. Deepa Chari from Homi Bhabha Centre for Science Education, TIFR, Professor Vandana Nanal from Tata Institute of Fundamental Research along with their team members Ms. Saurabi Huli and Ms. Bhagyashri Latad. The workshop was based on spreading awareness about imposter syndrome and unconscious biases and various ways to combat them. Topics like decision making, dealing with micro aggressions were also discussed.

The slide features the TIFR HBCSE logo on the left. The main text reads: "HBCSE & IPA GENDER IN PHYSICS WORKING GROUP organizes PROGRAM FOR ASPIRING WOMEN SCIENTISTS". Below this, it says "4th Workshop: Owing your achievements: Combating imposter syndrome & biases!" followed by the date "26 February, 2022" and "Adapted from TIFR Vigyan Vidushi programme". A small video inset shows a woman speaking. The IPA logo is in the bottom right corner.

The screenshot shows a Zoom meeting grid with 25 participants. The names of the participants are: Deepa Chari, Dr. Sapna, vandana nanal, Saurabhee Huli, Sajal Kalita, Vidhi SOOD, Bhagyashri Latad, Avantika Verma, Anchal Thakur, Parul, Tanvi Thakur, Sakshi Mehta, Pratiksha, Manya Sharma, Ibee Isaac, Yogita Kashyap, Aarti Thakur, Sakshi, Mansi verma, Aashi Rathaur, Shreya Chadha, Kritika Sharma, Divya Rani, Divya Mangal, and uvika singh. On the right, the "Participants (49)" list includes: Dr. Sapna (Co-host, me), Saurabhee Huli (Host), Deepa Chari (Co-host), vandana nanal (Co-host), Bhagyashri Latad (Co-host), and Vidhi SOOD. A chat message from Bhagyashri Latad to everyone provides a feedback form link: <https://forms.gle/5CN1RM7Gqx3sgNYC?>

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The department of Physical Education in collaboration with the NSS unit of the college organised an online webinar entitled “ Academic Excellence Through Physical Activities: Journey or Destination” on February 25, 2022. The speaker of the event Dr. Anshul Singh Thapa (Asst. Prof. P. G. College, Chandigarh) made the students aware about the importance of physical activities in our daily lives.

**St. Bede's College, Shimla**  
Department of Physical Education  
&NSS Unit

ORGANIZES WEBINAR ON  
**ACADEMIC EXCELLENCE THROUGH  
PHYSICAL ACTIVITY : JOURNEY OR  
DESTINATION**

FEBRUARY 25, 2022 | 5:00-6:00 PM

**Sr. (Dr.) Molly Abraham**  
**Principal**  
St. Bede's College  
Shimla

**Dr. Anshul Singh Thapa**  
**Speaker**  
Postgraduate Govt. College  
Sec-II Chandigarh

**Dr. Vikrant Bhardwaj**  
Deptt. Of Physical Education  
(9418029697)

**NSS Incharge:**  
Susheel Kumar  
Reena Thakur

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Department of Commerce and Management and Placement cell organized grooming session and guidance workshop on 09 March, 2022 to aware students about the emerging professional trends and events, job profiles, leadership roles, entrepreneurship, market needs and risks and implementation of national socio-economic policies and to impart training in soft skills.

The Resource Person **Mr. Kiran Kurwade**, Director- Office of Strategic Initiatives at Chitkara University, Chandigarh made a very lucid presentation on Students- Interview Skills, Communication Skills, Decision-making, Leadership, and much more.



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Department of Commerce & Management conducted an online one-week workshop on “**Research Methodology and Data Analysis Using JAMOVI Software**” from October 25, 2021 onwards under the aegis of IQAC of St. Bede’s College, Shimla.



## **St. Bede's College**

**NAAC RE-ACCREDITED A+ GRADE**

**Navbahar, Shimla – 171002**

**Affiliated To Himachal Pradesh University**

Contact No. : - 0177-2842304 / Email: - bedescollege@gmail.com



**Online Workshop –: Research Methodology and Data Analysis using JAMOVI Software**

**Organised by**

**IQAC and Department of Commerce and Management**

**October 25<sup>th</sup> – 29<sup>th</sup>, 2021**



**Patron**

**Dr. (Sr.) Molly Abraham**

**Principal**

**St. Bede's College**



**Resource Person**

**Dr. Devender Sharma**

**Professor**

**Department of Commerce  
Himachal Pradesh University**



**Resource Person**

**Dr. Madhukar Dalvi**

**Assistant Professor**

**Mathematics and Statistics  
Nagindas Khandwala College  
(Autonomous)**

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## Seminar on Intellectual Property Rights

On November 26<sup>th</sup>, 2021, students from the Department of Microbiology attended a lecture on Intellectual Property Rights hosted by the Department of Biotechnology at St. Bede's College. Prof. Shamsher Singh Kanwar, Professor, Dept. of Biotechnology, HP University, Shimla, was the lecture's resource person.



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A webinar in a hybrid (both online and offline) mode was organized on September 23, 2021 under the theme “*Azadi ka Amrut Mahotsav - Science and Technology: India @75*” in association with the Indian Science Congress Association (ISCA) Shimla-Chapter. Around 250 science students at the college, other colleges from far of places such as RecongPeo (Kinnaur) and HPTU Hamirpur, faculty members of other institutions attended the webinar.

Hon’ble Vice-Chancellor Prof. Sikander Kumar (Himachal Pradesh University, Shimla) was the chief guest for the event. Prof. K.S. Rangappa (ex Gen. President ISCA) Prof. Neeraj Sharma convener ISCA Shimla chapter, Prof. P.K. Ahluwalia (Retd. Prof. Department of Physics, HPU Shimla) Dr. Deepak Tuli (IOC) were the speakers.



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## Guest Lecture

On October 1, 2021, Eminent physicist Prof. OSKS Sastri, from the School of Physical & Material Science, Central University of Himachal Pradesh delivered a talk on the use of “tracker software”. He taught the students how to take a video of a moving object and track it using tracker software and check the required parameters.



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## PARTICIPATIVE LEARNING

### **Nukkad Natak on 'Women Issues', 'Consumer Rights',**

Department of Political Science and Economics organized a Nukkad Natak on March 14, 2022 on the themes, 'Women Issues', 'Consumer Rights', 'Increasing Drug Abuse and Environment concerns' so as to sensitize the students about constitutional values, gender equality, social issues and protection of environment etc.

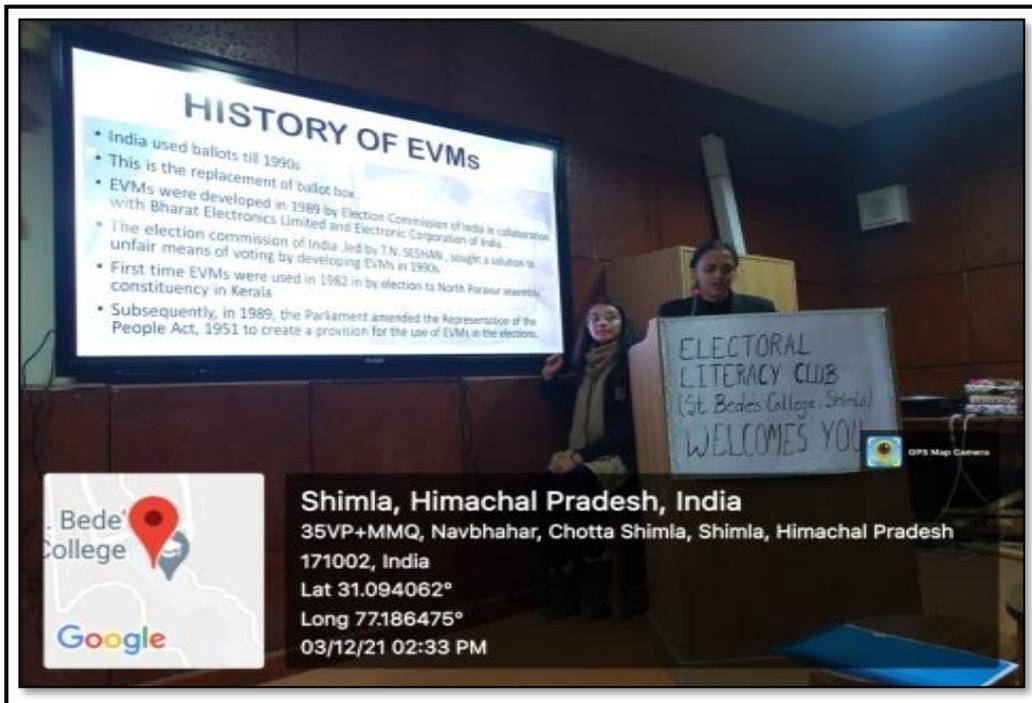


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## Activity on Constitutional Obligation

On December 3, 2021 Department of Political Science, in collaboration with the Electoral Literacy Club of the College organized a Declamation Competition to reach out to the young generation and sensitize them about the importance of elections and the vital role which they can play in making and shaping of political system of the country.





## International Disaster Risk Reduction Day

The Department of Geography organised a postermaking competition in collaboration with disaster management cell of the college to commemorate the International Disaster Risk Reduction Day on October 13, 2021 as to spread the awareness among the masses regarding the disaster preparedness a “Nukkad Natak” was also enacted by the students of geography department in the college premises.



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## Role Play on the theme “Pioneer Women in Indian History”



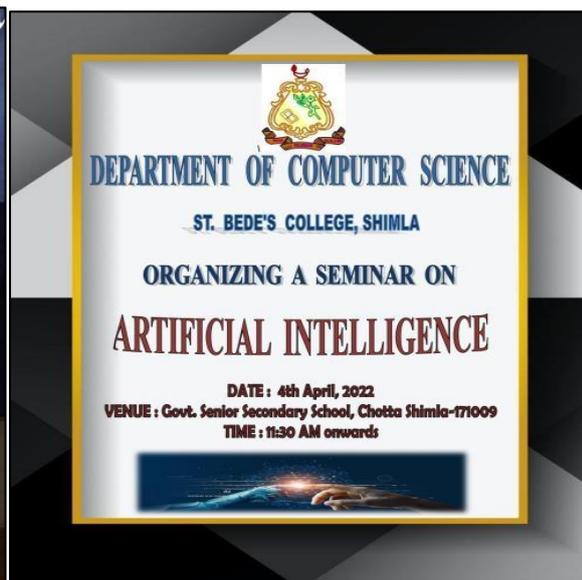
On **International Women’s Day** on March 8, 2022, the Department of History and Economics organised a role play competition on the theme- “Pioneer Women in Indian History”. The history of India is full of pioneers, who broke the gender barriers and worked hard for their rights and made progress in the field of politics, arts, law, science etc. Inspiring Indian women like Anandi Bai Joshi, Nirmala Sitharaman, Indira Gandhi etc. were role played. The inspirational role plays sensitized all of us on how to go beyond gender stereotypes and pave way for empowerment.

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## Seminar on “Artificial Intelligence”

Department of Computer Science organised a seminar on “Artificial Intelligence” for the students of Class IX to XII of Government Senior Secondary School, Chotta Shimla on April 4, 2022 in the school auditorium. Ms. Neha Walia and Ms. Nivedita Bhardwaj accompanied the students. Presentation was delivered by the students of BCA VIth and IVth students on the topic “Artificial Intelligence”. Past, present and the future of artificial intelligence was discussed with the students.

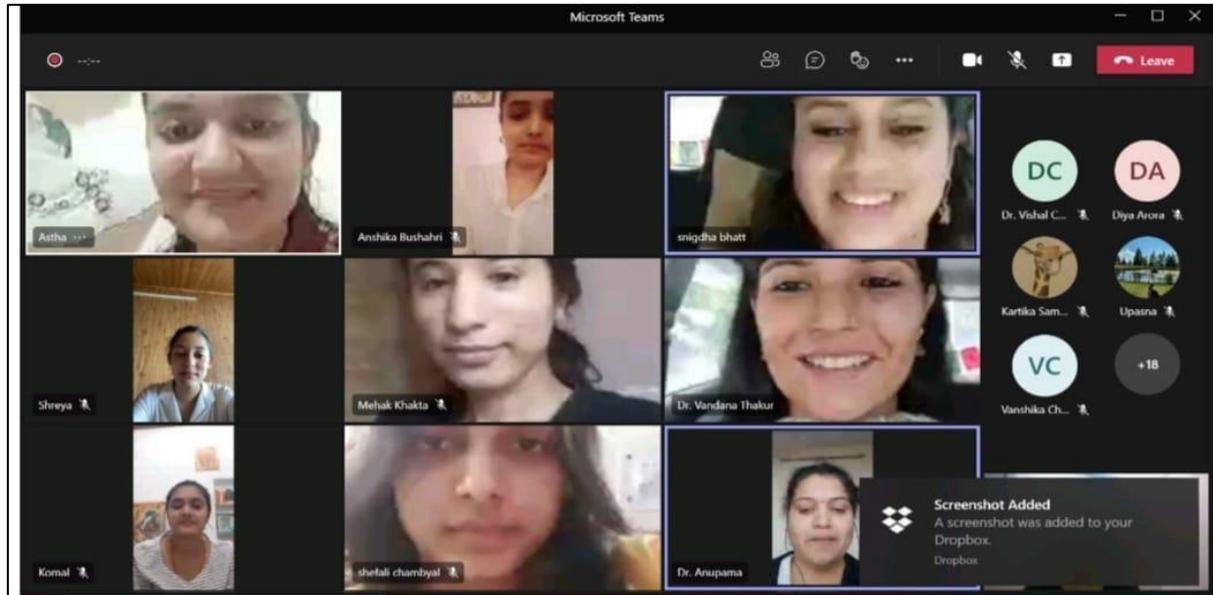


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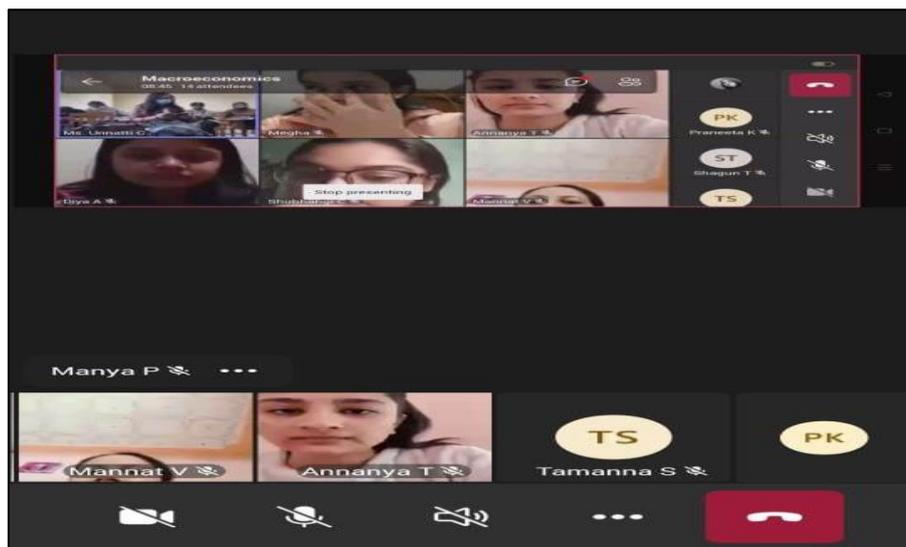
### Book Review Competition to Celebrate ‘World Literacy Day’

The Economics Department organized a Book Review Competition, on September 8, 2021 to celebrate the ‘World Literacy Day’, wherein the participants reviewed books of their liking.



### Declamation Competition On ‘Impact of Covid-19 On the World Economy’

Declamation Competition was organised by the Department of Economics on the topic “Impact of Covid-19 on the World Economy” in collaboration with the BBA Department on September 29, 2021.



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## International Youth Day, August 12,2021

International Youth Day was celebrated on August 12,2021 to bring youth issues to the attention of the international community and celebrate the potential of youth as active partners in the global society. “Mirassa” the heritage club of St Bede’s College organised a poster making competition based on the theme “Healthy Body, Healthy Planet”.



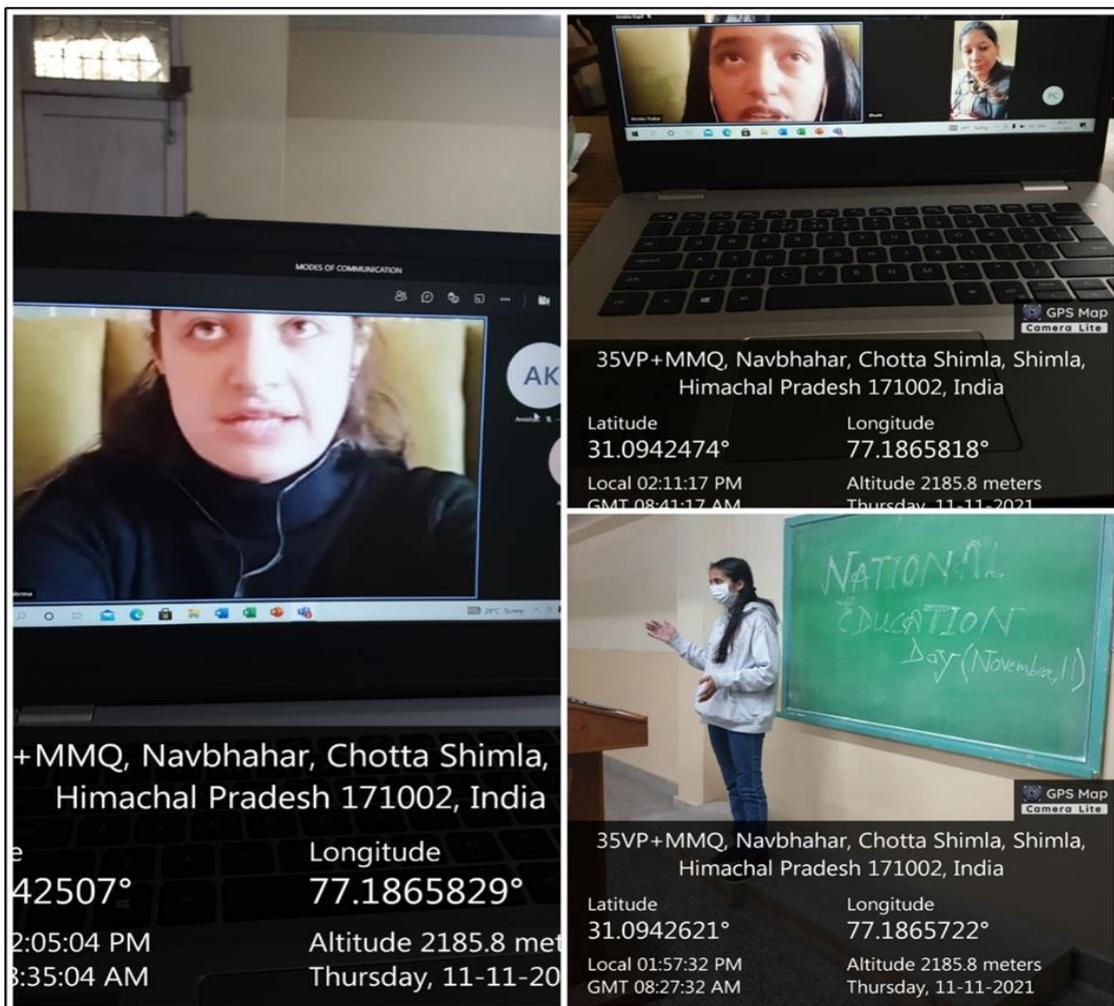
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## National Education Day

***“Every individual has a right to vote”- Maulana Abul Kalam Azad***

National Education Day is observed annually in India to commemorate the birth anniversary of Maulana Abul Kalam Azad, the first education minister of independent India. The day focuses on the need for promoting literacy and education. Keeping with the same History Department of St Bede’s College organised a talk and a discussion on “New Education Policy” on November 11, 2021 in which students expressed their views on the pros and cons of the New Education Policy.

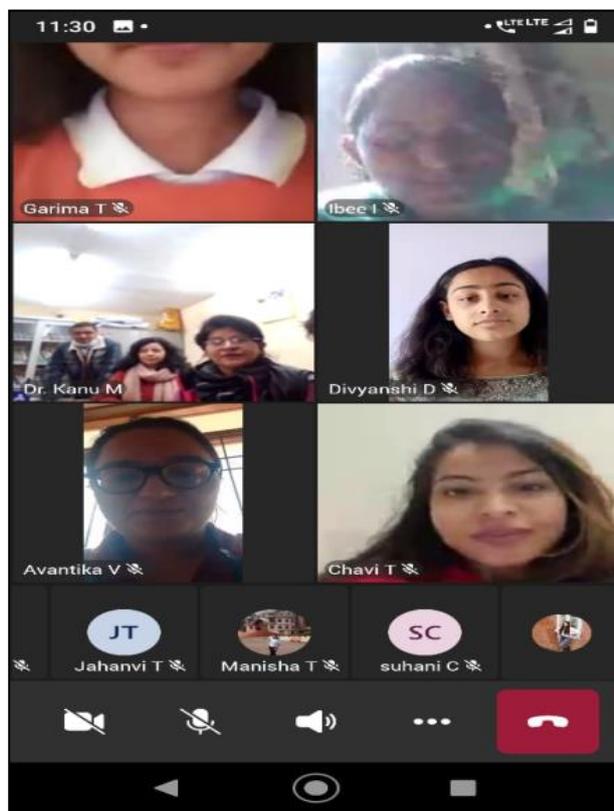
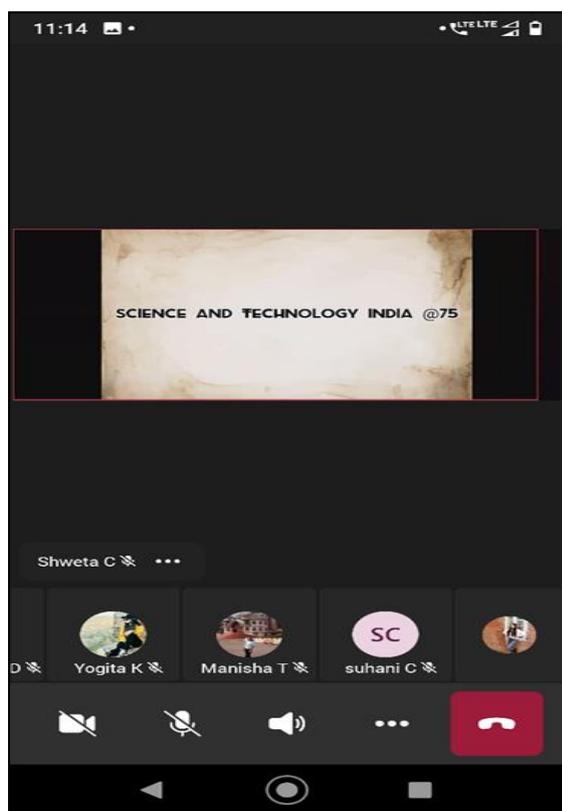


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## Video Making Competition

The departments of physics and mathematics jointly organized an event on **Video Making Competition** as a part of “Azadi ka Amrut Mahotsav” celebrations on 19.02.2022. In which students of physics and mathematics presented the lives and achievements of great scientists like Albert Einstein, C.V.Raman, Satyanandera Nath Bose, MeghnadSaha, and Srinivas Ramanujam through their creative videos.



## National Mathematics Day

On the birth anniversary of Srinivasa Ramanujan Iyengar, December 22, 2021. Department of Mathematics St. Bede's College Shimla organized an online event to celebrate National Mathematics Day. The event started with the small introduction of Srinavasa Ramanujan and then the presentation. The presentation included the life history and 10 discoveries and achievements of Ramanujan. To make the event interesting games were also organized. First game was on the deck of cards and then second was a sudoku puzzle.

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Department of Mathematics  
St. Bede's College Shimla

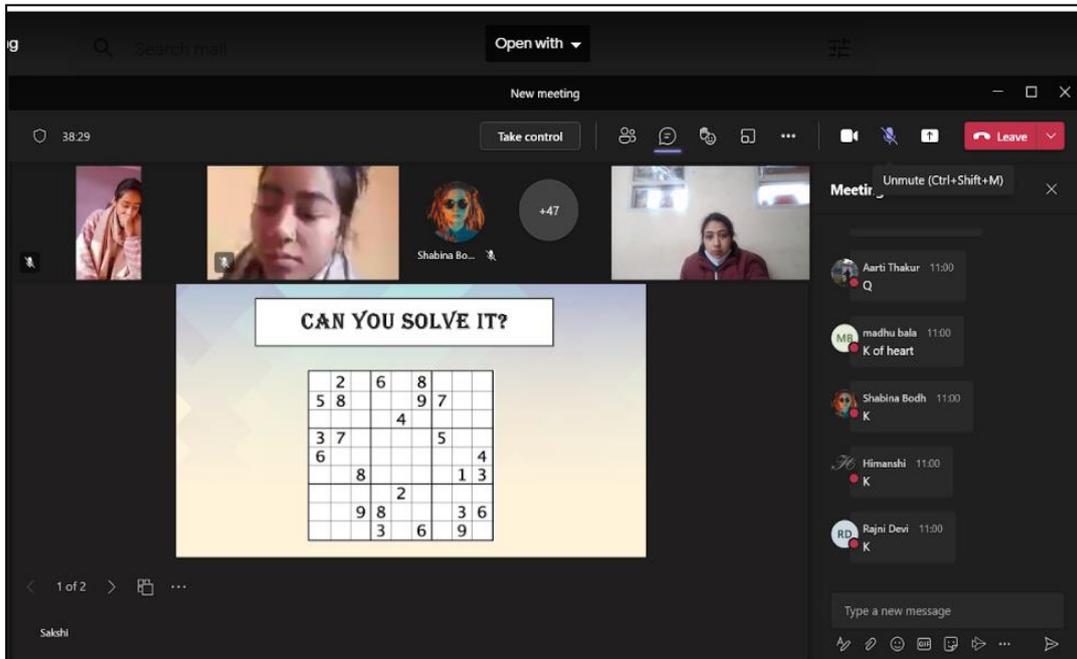
organising an online event on  
Srinavasa Ramanujan's birth  
anniversary

**WE INVITE YOU ALL TO ATTEND THE ONLINE  
SESSION**

Date : 22nd December ,2021  
Time : 10:30 am



**SRINIVASA  
RAMANUJAN**  
THE MAN WHO KNEW INFINITY



Search mail Open with

New meeting

38:29 Take control

Unmute (Ctrl+Shift+M)

Meetit

Aarti Thakur 11:00  
Q

madhu bala 11:00  
K of heart

Shabina Both 11:00  
K

Himanshi 11:00  
K

Rajni Devi 11:00  
K

Type a new message

1 of 2

Sakshi

**CAN YOU SOLVE IT?**

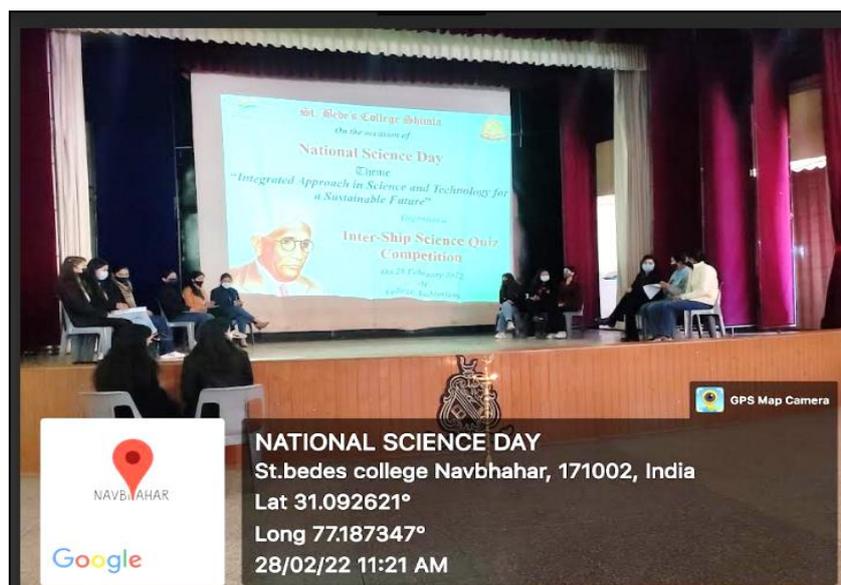
2	6	8			
5	8		4	9	7
3	7			5	
6					4
	8				1 3
		2			
	9	8			3 6
		3	6	9	

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## National Science Day

National Science Day was celebrated on February 28, 2022 under the theme “Integrated Approach in Science and Technology for a Sustainable Future. The program started with the internship power point competition on ‘Application of Raman Spectroscopy in science’ followed by internship quiz competition, video presentation and Science Exhibition.



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## NCC Activities

### Kargil Vijay Diwas Competition

On July 26, 2021 a Webinar was organised by the PHHP &C Directorate, under the chairmanship of ADG Major General J.S Sandhu. Cadet Maanika Sethi, represented the Shimla group in the poetry recitation competition and stood first and won a cash prize of Rs 3000.



### Rashtragan Initiative

On August 13, 2021 the cadets participated in a programme "Rashtragan.in", launched by the Ministry of Culture under the guidance of our PM Shri Narendra Modi, on the occasion of the celebration of India's 75th year of Independence, wherein they recorded the national anthem on the site mentioned and received certificates of appreciation.



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## Independence Day Celebration

On 14th August, 2021, a Virtual Thought-Provoking Session was organized by the NCC unit of St. Bede's College, Shimla to celebrate 75 glorious years of India's Independence under the theme, "Azaadi ka Amrit Mahotsav", wherein the true meaning of Independence was highlighted. The resource person for the day was Lt Col Abhilov Sharma (SM). He shared, four key measures to lead a meaningful life. Videos were also presented to mark the celebration.

**'Azadi Ka Amrit Mahotsav'**  
Celebrating India's 75 Years of Independence  
**A Virtual Thought-Provoking Session**  
organized by NCC Unit, St. Bede's College, Shimla

**Resource Person**  
Lt Col Abhilov Sharma  
Sena Medal

Time: 11:00 AM - 12:00 PM  
Date: 14th August 2021  
Meeting Platform: MS Teams

Dr. (Sr.) Molly Abraham  
College Principal



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## Republic Day Parade

On January 26, 2022, UO Rutuja Kulkarni, attended the RDC 2022 at Delhi where she represented PHHP&C Directorate in the Best Cadet (SW Army) Competition. She was a part of the PM Rally where she briefed the defence minister and the DGNCC at the Hall of Fame.

LCpl Ayushi Panwar participated in the State Republic Day Parade on the Mall Road, Shimla on the Republic Day making the college proud



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## International Women's Day

On March 8, 2022, the first- and second-year cadets participated in State level Function on the event of International Women's Day at GDC, Kotshera organised by Himachal Pradesh State AIDS Control Society.

The cadets presented a Nukkad Natak under the theme "Blood donation- DOs and DON'Ts" and were presented a 'Momento of Honour for Stage Performance'.



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## Annual Training Camp

From October 7-14, 2021, an Annual Training Camp was organized by 1HP NU NCC Bilaspur at DAV Bilaspur. The cadets actively participated in activities like boat pulling and drill.



## DCATC AND PRE-RDC 2022

In the month of September and November, DCATC Camps for the selection and preparation of IGC: 2021-2022 and RDC 2022 were held. Cadet Captain Chavi Tewari and PO Cadet Arundhati Chandel were selected for the same.



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## ADG'S COMMENDATION CARD

On January 27, 2022, PO Cadet Arundhati Chandel was nominated for ADG'S Commendation Card for her outstanding work in the year 2021-2022

**NATIONAL CADET CORPS**

23 PUNJAB BATTALION NCC ROPAR

This is to certify that Regimental No. HP/19/SWN/307859 Rank PO CADET  
Name ARUNDHATI CHANDEL Father's Name RAKESH CHANDER  
School/College 1 HPNU NCC, BILASPUR  
participated in PRE RDC - II (ATC - 113)  
From 8 DEC 2021 To 17 DEC 2021  
His / Her Conduct during the camp was Exemplary / Very Good / Good / Satisfactory

Place : Rupnagar (Punjab)  
Date 17 DEC 2021

*ag*  
Camp Commandant

Serial No. 070

**NCC DIRECTORATE**  
PUNJAB, HARYANA, HIMACHAL PRADESH & CHANDIGARH

**APPRECIATION CERTIFICATE**

HP/19/SWN/307859 Rank PO Cadet Name Arundhati Chandel  
of 1 HP Naval Unit NCC, Bilaspur is  
awarded an Appreciation Certificate for his / her outstanding performance  
in NCC Activities during the year 2021-22

Station Pharwan  
Date 27-1-22

*Jand*  
Additional Director General NCC

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## NSS Activities

### Young Warriors' Movement (Youth- Led Movement to combat COVID-19)

On June 18, 2021 in collaboration with Mahatma Gandhi National Council of Rural Education (MGNCRE), Department of Higher Education Government of India organized a thought-provoking session on “Constitution of Committee for Psychological Support Service Cell” where the speaker Samarth Sharma from (MGNCRE), Ministry of Education, Government of India discussed and shared about the strategies on providing psychological support and setting up different committees which can help corona patients. The students shared this information with the people in their vicinity.



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## SWACHHTA PAKHWADA

The college observed Swachhta Pakhwada from 1st to 15th August to create awareness about clean and green environment. The volunteers conducted a cleanliness drive within the college campus as well in the surrounding areas. The campaign culminated with a strong promise that “Environment cleanliness” is a prime priority.



## Tree Plantation Drive

On 9th August, 2021, the NSS Unit of St. Bede's College took an initiative towards environment consciousness. A total of about 50 trees were planted in the college campus. The drive was started with planting a sapling by our principal Dr (Sr)Molly Abraham along with other teachers.



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## Clean India Campaign

The NSS Unit started the second phase of “Swachh Bharat Mission” with the Swachhta Shapath (Oath) administered by our honourable Principal Prof. (Sr) Molly Abraham and all the NSS volunteers. All the volunteers actively participated in the cleanliness drive and devoted full month for intensive cleaning of the college campus and adjoining areas. At the end of the month, the NSS Unit St. Bede’s College, Shimla volunteers deposited the whole garbage which was collected by the Municipal Corporation of Shimla.



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## Village Adoption

On October 30, 2021 the NSS volunteers visited an adopted village in Mashobra and distributed free ration packets to BPL families which were purchased through the money donated by the volunteers. The NSS volunteers suggested various ways and means to the people to improve their living conditions.



## Blood Donation Camp

On November 25, 2021 the NSS unit of St. Bede's College organized a Blood Donation Camp. A team was lead by Dr. PayalVij from Indira Gandhi Medical College Shimla to coordinate the activities. The college Principal Prof. (Sr) Molly Abraham inaugurated the camp by donating blood. A total of 55 units of blood were collected during the camp.



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## National Integration Camp (NIC)

The Vice President of NSS Sajal Kalta attended a seven-day NIC camp from November 18- 24 at Kurukshetra University, Haryana. Around 200 volunteers accompanied by 15 programme officers from 12 states participated in the camp. From Himachal Pradesh 10 volunteers from different colleges participated in the camp representing “Team Himachal Pradesh”.



## Corona Vaccination Drive (Second Dose)

On December 3, 2021, St. Bede’s College organized a corona vaccination drive in collaboration with SDM (URBAN) Shimla (H.P) for the students who were not able to get the second dose. A total of 27 students were vaccinated on this day by a medical team from Rippon Hospital, Shimla.



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## Special Annual Camp (March 3-9, 2022)

The seven-day camp on the theme was “Educated Youth and Self-Reliant India” was inaugurated by the honorable Chief Guest Dr. B.R Thakur, NSS State Coordinator (HP) and Chairman, Department of Geography, HPU.



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## Red Ribbon Club

On November 16, 2021, Brand Ambassador Anchal Singh (B. Sc. III Year) along with two students representative Muskaan Sood (BBA III Semester) and Aastha Raizada (B.A. II Year) attended one day training program of RRC's members on HIV AIDS and other documentation method at DeenDayal Upadhyay Hospital Shimla.



On the occasion of the World Aids Day 2021, club organized an awareness program. Peer educators of club Muskaan Sood, Anchal Singh and Aastha Raizada expanded awareness regarding HIV/AIDS. The theme for World AIDS Day 2021 was “End Inequalities, End AIDS”. Club organized poster making and slogan writing competition.



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On International Women's Day (March 8, 2022), club participated in the state level function organized at Rajiv Gandhi Government Degree College Chaura Maidan (Kotshera) by the Department of Health and Family Welfare, District Shimla. Student participated in rangoli competition, slogan writing, poster making and street play. Anchal Dharmaik of B.A. Psychology Honours 2<sup>nd</sup> year bagged first prize in poster making competition.



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## Community Outreach Cell

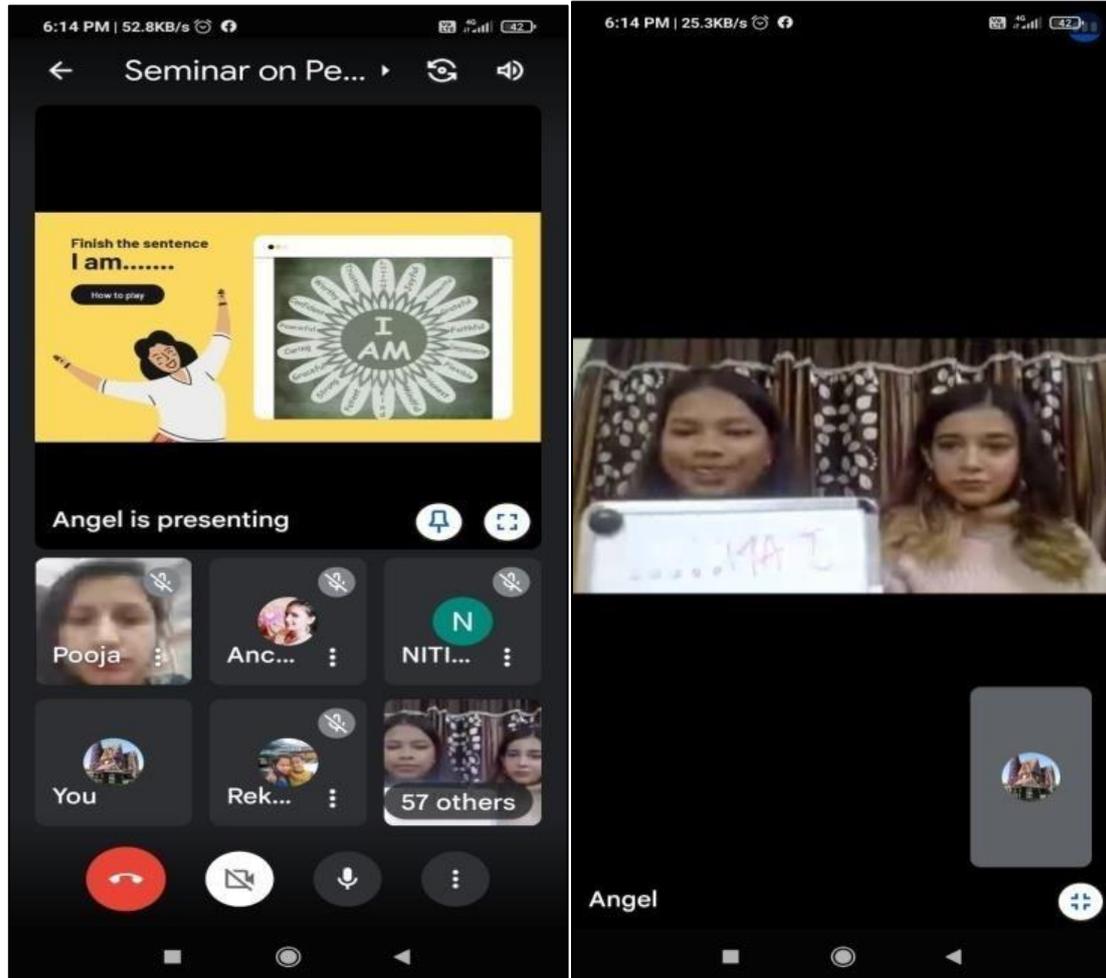
The students of Community Outreach Cell performed a Nukkad Nattak on 'Disaster Management' on November 12, 2021 in Government Model Girls Senior Secondary School Portmore. The objective of this performance was to reach out to the students at the school and create awareness about disaster management. The students depicted ways by which disasters could be managed effectively. The students of the college interacted with the students of the school and offered to help them with their studies and support them to strengthen their skills for success in the future.



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An online lecture on 'Personality Development' was organised by the Community Outreach Cell for the students of Portmore School, on December 22, 2021. The speakers were Rohita Gharu and Angel Shan, the students of the college who gave an informative presentation touching upon all the aspects of a good personality, and suggesting ways of improving it for a successful career.



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## Power Point Presentation



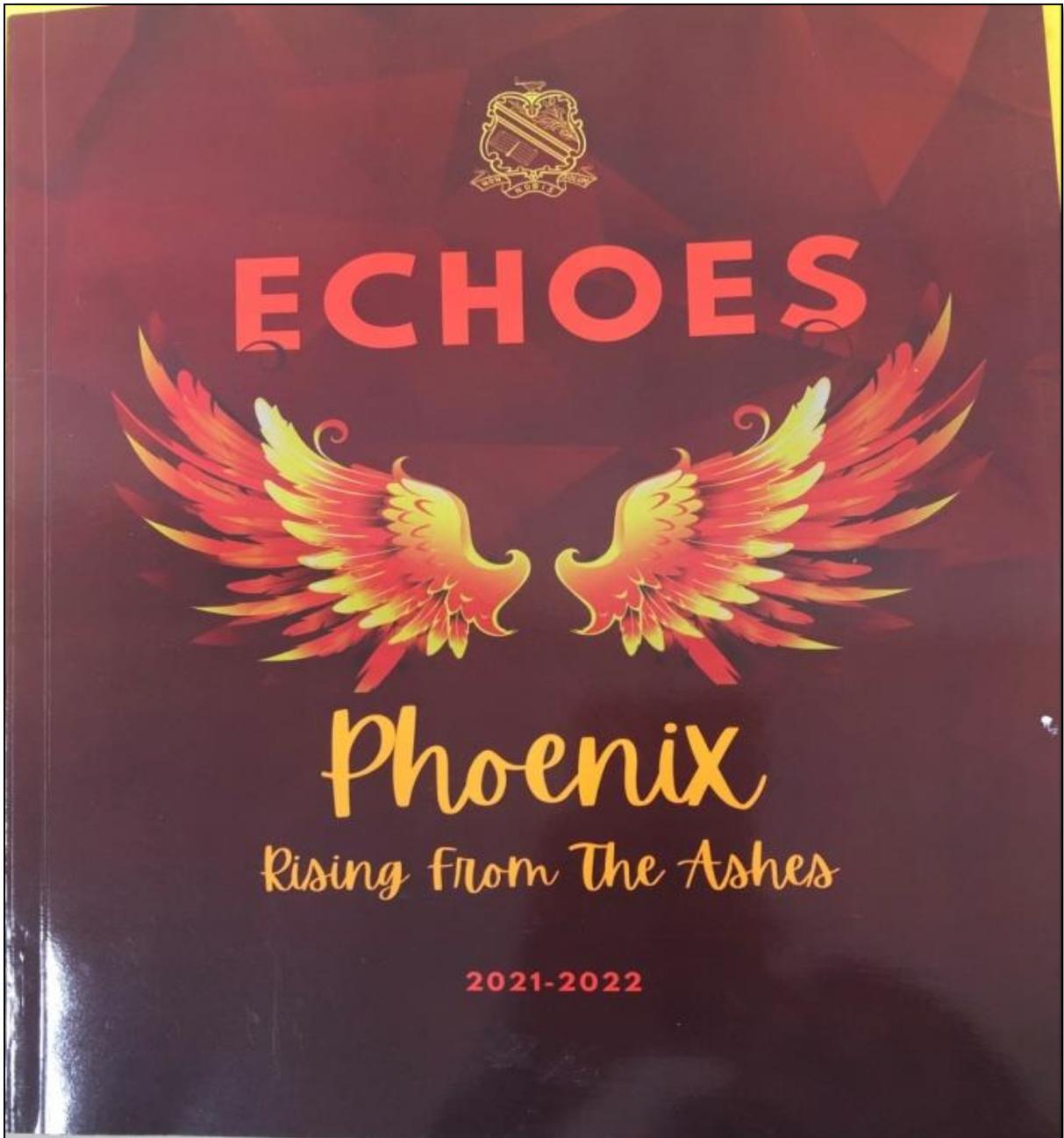
## Paper Presentations by students



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## Newsletters published by various departments

NEWSLETTER 2021-22 | VOL. VIII

**BEDEnomics**

ST. BEDE'S COLLEGE, SHIMLA  
DEPARTMENT OF ECONOMICS

### GREEN ECONOMY AND TRADE

The manifold environmental challenges lying ahead.

World trade patterns show that while many developing countries are now playing an increasing role in trade, many others – particularly least developed countries who account for less than one per cent of all global trade – remain stranded on the margins. Still heavily reliant on natural resource based products and raw materials for their exports, these countries are highly vulnerable to economic and environmental shocks.

The transition to an inclusive green economy represents many significant opportunities. By harnessing the increasing global demand for environmental goods and services, as well as consumer demand for more sustainable products, countries can

It is thus crucial for the trading partners to have a balance between the trade and economy so that it won't have a devastating effect on our planet.

By: Pratiksha Raj  
B.A. Economics Honours 3rd Year



### Economics

**ZOOLOGY BUZZ**  
DEPARTMENT OF ZOOLOGY  
St. Bede's College Shimla-2

Vol. 5

ZOOLOGY HIGHLIGHTS

### THE WORLD OF VACCINE

Three years into the incessant outbreak of Novel Corona Virus, we are still highly preoccupied about the disease and its consequences. Corona virus (COVID-19), which is an infectious disease caused by the SARS-CoV-2 virus originated in Wuhan, China in December 2019 and spread swiftly across China and spread worldwide as of 25<sup>th</sup> May 2020. New rates of infection, distancing and sanitization were announced and as a part of same struggle, COVID-19 Vaccines were introduced to reduce risk and save lives.

#### WHAT IS A VACCINE?

A vaccine is a biological preparation that provides active immunity to a particular infectious disease. It contains an agent that resembles a disease-causing micro-organism and is often made from weakened or killed forms of the microbe, its toxins, or one of its proteins. The agent stimulates the body's immune system to recognize the agent as a threat, to destroy any of the microorganisms associated with that agent that it may encounter in the future. The administration of vaccines is called vaccination.

The first ever vaccine was developed by Edward Jenner, for smallpox in 1796. After that several scientists worked to develop vaccines like DTP Vaccine, Measles, Mumps and Rubella (MMR) vaccines. When polio vaccines were licensed in 1955, Jonas Salk, its inventor, became an overnight hero. The COVID-19 vaccine is intended to provide acquired immunity against severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the virus that is responsible to cause COVID-19. A single dose of the COVID-19 vaccine made by either Pfizer or AstraZenca cuts a person's risk of transmitting the SARS-CoV-2 to their closest contacts by as much as half, according to an analysis of more than 365,000 households in the United Kingdom. Although the vaccines have been shown to reduce COVID-19 symptoms and serious illness, their ability to prevent coronavirus transmission has been unclear.

There are three main approaches to making a vaccine.

There are three main approaches to designing a vaccine. Their differences lie in whether they use a whole virus or bacterium, just the parts of the germ that triggers the immune system, or just the genetic material that provides the instructions for making specific proteins and not the whole virus.

Inactivated vaccines do not replicate and are therefore unlikely to revert and cause pathological effects. They contain dead virus, incapable of infecting people but still able to instruct the immune system to mount a defensive reaction against an infection.

—Shruti Chauhan (B.Sc. III Year)

#### TEACHER'S ACHIEVEMENTS:

Dr. Shazia Ishaq  
Assistant Professor, Department of Zoology

Research Publications

- Bari J., Thakur, S. Inactivity of toxic liquid against two major Coleoptera stored grain insect pests. International Journal of Pharmaceutical & Biological Archives 2021; 12(4): 163-169. IJGC CARE LIST

Conferences/ Webinars attended

### Zoology

NEWSLETTER  
DEPARTMENT OF COMMERCE & MANAGEMENT

**KNOWLEDGE ZENITH**

VOL. VI 2021-2022



**BUDDING ENTREPRENEURS FROM DEPARTMENT OF COMMERCE & MANAGEMENT**

Before the concept of entrepreneurship is explored, it is important to, first, understand the meaning of 'entrepreneur' & also know who can be an entrepreneur. An entrepreneur is someone who exercises initiative by organizing a venture to take benefit of an opportunity and, as the decision maker, decides what, how, and how much of a good or service will be produced. An entrepreneur supplies risk capital as a risk taker, and monitors and controls the business activities. The entrepreneur is usually a sole proprietor, a partner, or the one who owns the majority of shares in an incorporated venture. If one desires to be an entrepreneur, the given equation is what describes, what an entrepreneur actually is

Entrepreneur + Capital = Products + Customers = Business.

The term entrepreneur is a French word, and is derived from the French

### Commerce And Management

**TechnoChronicles**

May 2021-2022

NEWSLETTER MADE BY DEPARTMENT OF COMPUTER SCIENCE

### What is Artificial Intelligence?

- Definition
- History
- Types

Artificial Intelligence (AI) is a way of associating features such as learning, motion, etc., that human beings possess with a computer or a computer controlled robot.

Types of Artificial Intelligence

- Theory of mind
- Purely Reactive
- Self-Aware
- Limited Memory

Applications of Artificial Intelligence

- Cyber Security
- Online Customer Support
- Virtual Assistants
- Banking Fraud Detection

### Artificial Intelligence Evolution

Four Waves of AI

REASONING	LEARNING	CONTEXT	ABSTRACTION
Symbolic Knowledge	Machine Learning	Knowledge Representation	Pattern Recognition
Logic of sets and relations	Artificial Neural Networks	Artificial Intelligence	Ability of abstraction

Artificial Intelligence

- Knowledge Representation
- Machine Learning
- Planning
- Robotics
- Natural Language Processing
- Expert Systems
- Vision
- Knowledge Discovery

### Computer Science

Back



# सृजन

वार्षिक पत्र, हिंदी विभाग सेंट बिड्स महाविद्यालय शिमला

संस्करण : 5

वर्ष-2022

## सृजनात्मकता : संसार की गतिशीलता के लिए

### जल्द ही

सृजन सृष्टि का आदि एवं कारक तत्त्व है, जो काल की गतिशीलता को बनाए रखता है। सृजनात्मकता के कारण ही संसार के सभी कार्य - कलाप निरंतर चलते रहते हैं। ईश्वर ने अनादिकाल से पर्वत, नदी, वृक्ष, फूल, जीव-जंतुओं आदि का सृजन कर जीवन की धारा को आगे बढ़ाया। नारी जब शिशु को जन्म देती है तो समूचा घर किलकारियों से गुँज उठता है। यह सृजन का उत्तम स्वरूप होता है। हमारे मनीषियों ने वेद-वेदांगों का सृजन किया तो ज्ञान के अक्षुण्ण प्रकाश से अज्ञानता का अन्धकार धीरे-धीरे छटता चला गया। अनंत काल से जीवन के हर क्षेत्र में सृजन होता आ रहा है। साहित्य के क्षेत्र में भी देखें तो अपनी सृजन-शक्ति एवं कलम के माध्यम से

गया। सत्र 2021-22 के बीच हिंदी विभाग द्वारा आयोजित सभी गतिविधियों में जिन छात्रों ने भाग लिया, उनकी प्रस्तुति इस वार्षिक पत्र में आपके समक्ष है। साथ ही गतिविधियों का संक्षिप्त वर्णन, फोटो सहित प्रस्तुत किया गया है। आशा है कि सभी पाठक पत्र को पढ़ते हुए इनसे अवगत भी होंगे एवं छात्रों के सृजनात्मक कौशल और प्रयासों को सराहेंगे। धन्यवाद।

सुश्री तन्वी अग्रवाल  
बी.ए. तृतीय वर्ष  
(छात्र सम्पादिका)



एक छात्र की दृष्टि में आज़ादी का महत्त्व

2021-2022



NEWSLETTER

St. Bede's College

# UNFETTERED

THE POWER OF PURE EXPRESSION

## WHY DO WE BINGE WATCH

Bingeing the whole season in a day? We have all been there, and even after that, we crave for more. Many tell tales of having traded their sleep for 'just one more' until dawn, while some have called in sick to do the same.

Ever since web series entered the game, all other addictions have become less addictive. Apart from our deepest desires of desperately wanting to know desires).



[Hindi](#)

[English](#)

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## Inter-College Activities:

### Inter-College Competition 2021-22

The students of B. Com III Year took part in inter college activity “Quiz Competition on Goods & Services Tax (GST)” held at Centre of Excellence, Government Degree College, Sanjauli and bagged second position.

Class	Activity Place	Event Name	Name of the Participants	Position Bagged
B. Com 3rd Year	Quiz Competition held in Govt. College, Sanjauli	Quiz Competition on Goods & Services Tax (GST)	1. Shephali Sood 2. Yamini Bisht (Group)	2nd Position
B. Com 3rd Year	Quiz Competition held in Govt. College, Sanjauli	Quiz Competition on Goods & Services Tax (GST)	1. Ridhi Sood 2. Minalika	Participants



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## DEPARTMENT OF STATE TAXES & EXCISE

### Certificate of Merit

This is to certify that *Mr/Ms* ..... **YAMINI BHATT** ..... , *S/D/o Sh.* ..... **JYOTI BHATT** ..... ,  
student of Government College ..... **ST. BEDEL** ..... has participated in the Quiz Competition  
on Goods & Services Tax (GST), Organised by the Department of State Taxes & Excise, Shimla  
Himachal Pradesh on 29.11.2021 at Government College Sanjauli and secured ..... **1<sup>st</sup>** ..... rank.

  
**Ravi Sood (HRS)**  
Deputy Commissioner  
State Taxes & Excise Shimla

  
**Poonam Thakur (HRS)**  
Coordinator cum Assistant Commissioner  
State Taxes & Excise Shimla

  
**Santosh Kumar (HRS)**  
Assistant Commissioner  
State Taxes & Excise Shimla

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## Inter -College Economics Literary Meet

An Inter-college Economics Literary Meet was organised by the Department of Economics, St. Bede's College, Shimla on March 22, 2022. Various students from Government PG College for Centre of Excellence, Sanjauli, Rajkiya Kanya Maha Vidyalaya, University Institute for Legal Studies, Avalodge, Rajiv Gandhi Degree College, Kotshera participated in a number of activities.

*The Economics Department  
Of  
St. Bede's College, Shimla  
presents*

**INTER COLLEGE  
ECONOMICS LITERARY FEST  
2022**

**EVENTS :**  
1) DRAW'EM UP  
2) TOONEY LOONS  
3) DEBATE  
4) STREET PLAY  
5) AD MASTERS  
6) ECO CROSSWORD  
7) SHARK TANK

So all the Economics enthusiasts  
tighten your girdles and buck up because its  
time for the biggest inter college fest!

DATE : 22nd March, 2022  
TIME : 10:00 am - 4:00 pm IST  
VENUE: College Auditorium

*Greetings ISLAND*



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## Live Show on Doordarshan Shimla

February 11, 2022

Ms. Archana Mullick represented the college in a live show held on Doordarshan Shimla along with Dr. Sapna Sharma of the Department of Physics. The segment celebrated 'International Day of Women and Girls in Science'



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## Workshops / Webinars / Attended by Students

 **LCIT College of Commerce and Science, Bodri, Bilaspur (C.G)**  
Affiliated to Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur (C.G.)

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that Mr./Miss. **AAHANA CHATTERJEE** from **ST BEDE'S COLLEGE SHIMLA** has attended the course on the "Overviews of Financial Market Series 1" conducted by Bombay Stock Exchange Brokers' Forum held from 4th Oct 2021 to 8th Oct 2021. The course is complimentary and the objective is only knowledge sharing.

  
(Dr.V.Aditya Srinivas)  
Chief Operating Officer and Chief Economist  
BSE BROKERS FORUM



  
(Dr. Archana Shukla)  
Principal  
LCIT College of Commerce and Science,  
Bodri, Bilaspur (C.G.)

  
(Dr. Piyush Kant Pandey)  
Director  
LCIT Group of Institutions,  
Bodri, Bilaspur (C.G.)

**OSNSA8-CE010660**

 **LCIT College of Commerce and Science, Bodri, Bilaspur (C.G)**  
Affiliated to Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur (C.G.)

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that Mr./Miss. **HIMANSHI KAUNDAL** from **ST.BEDES COLLEGE** has attended the course on the "Overviews of Financial Market Series 1" conducted by Bombay Stock Exchange Brokers' Forum held from 4th Oct 2021 to 8th Oct 2021. The course is complimentary and the objective is only knowledge sharing.

  
(Dr.V.Aditya Srinivas)  
Chief Operating Officer and Chief Economist  
BSE BROKERS FORUM



  
(Dr. Archana Shukla)  
Principal  
LCIT College of Commerce and Science,  
Bodri, Bilaspur (C.G.)

  
(Dr. Piyush Kant Pandey)  
Director  
LCIT Group of Institutions,  
Bodri, Bilaspur (C.G.)

**OSNSA8-CE010649**

 **LCIT College of Commerce and Science, Bodri, Bilaspur (C.G)**  
Affiliated to Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur (C.G.)

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that Mr./Miss. **SANA ADIL** from **ST. BEDE'S COLLEGE, SHIMLA** has attended the course on the "Overviews of Financial Market Series 1" conducted by Bombay Stock Exchange Brokers' Forum held from 4th Oct 2021 to 8th Oct 2021. The course is complimentary and the objective is only knowledge sharing.

  
(Dr.V.Aditya Srinivas)  
Chief Operating Officer and Chief Economist  
BSE BROKERS FORUM



  
(Dr. Archana Shukla)  
Principal  
LCIT College of Commerce and Science,  
Bodri, Bilaspur (C.G.)

  
(Dr. Piyush Kant Pandey)  
Director  
LCIT Group of Institutions,  
Bodri, Bilaspur (C.G.)

**OSNSA8-CE010677**

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*St. Bede's College, Shimla  
NAAC Re-Accredited A+  
Affiliated to Himachal Pradesh University*

## Certificate of Participation

This is to certify that

**Ms. Manya Buti**

of St. Bede's College, Shimla

has participated in online one week workshop on

**“Research Methodology and Data Analysis using JAMOWI Software”**

Organised by Department of Commerce and Management from October 25,  
2021 onwards under the aegis of IQAC of St. Bede's College, Shimla,  
Himachal Pradesh.

**Dr. (Sr.) Molly Abraham**

Patron

Principal

St. Bede's college

**Dr. Anupama Tandon**

Co-Convener

IQAC

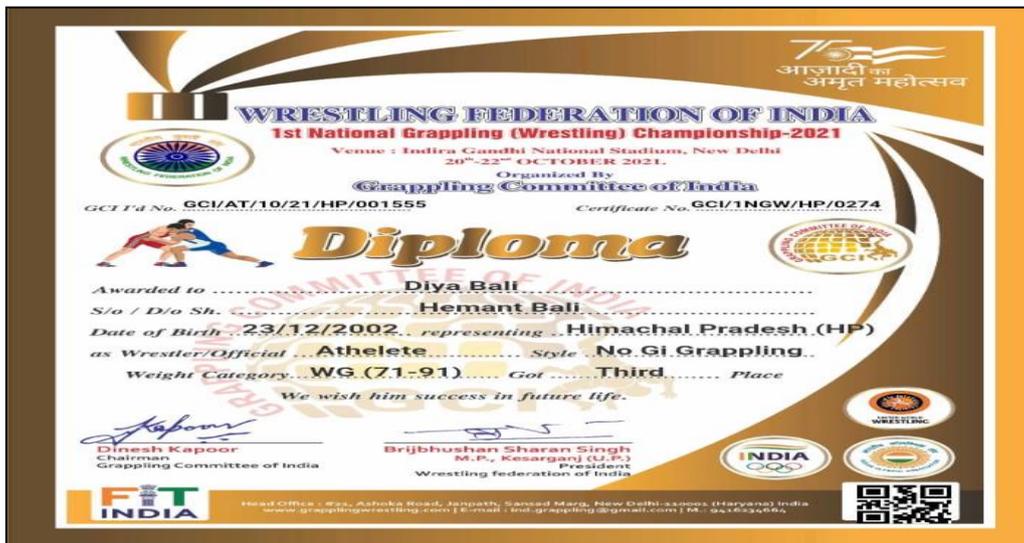
Coordinator

**Mr. Manu Mahajan**

Convener & HOD

Department of Commerce

and Management



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## Internships



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**BDO**

Tel: +91 22 3332 1600  
www.bdo.in

The Ruby, Level 9, North West Wing,  
Senapati Bapat Marg, Dadar (W),  
Mumbai 400028, INDIA

23-Dec-2021

## Internship Letter

Name : Yamini Bisht  
Location : Noida

Dear Yamini,

We are delighted to welcome you to BDO family as an Intern in the BAS - Govt. Advisory team.

BDO is a leading professional services organization and are global leaders in the mid-tier segment. BDO India LLP ('BDO India' or 'the Firm') is a member firm of BDO International, the 5<sup>th</sup> largest Accounting Network in the world.

At BDO India, we offer Assurance, Tax, Advisory and Business Services & Outsourcing for both domestic and international clients across a range of industries.

We take pride in offering our service portfolio built on the back of a rich blend of experience and expertise, bringing to fore a work culture that is both client-centric and knowledge driven. We believe in quality underpinning all that we do. We endeavor to deliver truly exceptional client service through a tailored solutions approach, while partnering with our employees and clients globally.

We welcome you to be part of our onward journey to build a world-class Firm.

Date of Commencement : 24<sup>th</sup> Dec 2021  
Duration : 45 Days (24<sup>th</sup> Dec 2021- 10<sup>th</sup> Feb 2022)  
Stipend : Pro-Bono  
Business Function : BAS - Govt. Advisory  
Location : Noida

Best wishes for an exciting and successful stint with us!

For BDO India LLP

Authorized Signatory

Signed and accepted,

Name: YAMINI BISHT  
Date: 23<sup>rd</sup> December, 2021

BDO India LLP, an Indian limited liability partnership firm, with LLP Identity No. AAB 7880, is a member of BDO International Limited, a UK company limited by guarantee, and forms part of the international BDO network of independent member firms.

Regd. Office: The Ruby, Level 9, North West Wing, Senapati Bapat Marg, Dadar (W), Mumbai 400028, INDIA

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## Project Work

**Research Project**  
on  
**"CUSTOMER PREFERENCES OF H&M AND ZARA: A COMPARATIVE STUDY"**  
Submitted to  
**St. Bede's College, Shimla**  
In Partial Fulfillment of Post Graduate Degree in  
**Master of Commerce**

  
2020 - 2022

<p><b>Supervised By:</b> Mr. Ashish Kumar Assistant Professor Department of Commerce</p>	<p><b>Submitted By:</b> Ms. Asha Devi Roll No. 200091151320003 Ms. Mishita Gupta Roll No. 200091151320008 Ms. Twinkle Roll No. 200091151320013</p>
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1

**A COMPARATIVE STUDY ON CUSTOMER SATISFACTION TOWARDS JIO & AIRTEL**  
Submitted to  
**St. Bede's College, Shimla**  
In partial fulfillment of Requirement of the award of the  
Degree of  
**MASTERS OF COMMERCE**  
2020-2022



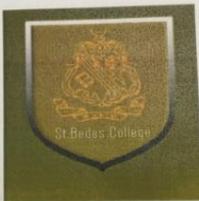
<p><b>SUBMITTED TO :</b> Mr. Manu Mahajan (H.O.D.) Assistant Professor Department of Commerce St. Bede's College, Shimla</p>	<p><b>SUBMITTED BY:</b> Samridhi Chauhan(200091151320011) Lakshika (200090051320006) Anchal Gatel (200090051320001) M.Com 4<sup>th</sup> Semester 2020-2022</p>
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A  
PROJECT REPORT  
ON  
**"COMPARATIVE ANALYSIS OF QR CODE VS BARCODE WITH REFERENCE TO SHIMLA CITY"**  
SUBMITTED TO  
**ST. BEDE'S COLLEGE SHIMLA**  
IN PARTIAL FULFILLMENT OF GRADUATE DEGREE IN  
**BACHELOR OF BUSINESS ADMINISTRATION**  
(2019-2022)



<p><b>SUPERVISED BY:</b> Dr. SAVITA RANA ASSISTANT PROFESSOR DEPARTMENT OF COMMERCE (ST. BEDE'S COLLEGE SHIMLA)</p>	<p><b>SUBMITTED BY</b> ANUSHKA MURARKA</p>
---	--

**E-SHOPPING INTENTION OF CONSUMER WITH SPECIAL REFERENCE TO FLIPKART IN SHIMLA CITY**  
Submitted to  
**St. Bede's College, Shimla**  
In Partial fulfillment of Post Graduate Degree in  
**MASTER OF COMMERCE**  
2020-2022



<p><b>Under the Supervision of:</b> Ms. Raman Bassi Assistant Professor Department Of Commerce &amp; Management St. Bede's College, Shimla</p>	<p><b>Submitted By:</b> Divya Dogra (200091151320004) Kiran Rathor (200091151320005) Parul Chauhan (200091151320009) M.com 4<sup>th</sup> Semester (2020-2022)</p>
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**“CONSUMERS PERSPECTIVE REGARDING E-BANKING SERVICES OF SBI : A CASE STUDY ON SHIMLA City”**

Submitted to  
St. Bede's College, Shimla

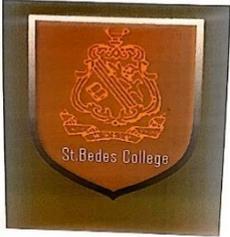
In Partial fulfillment of Requirements of the award of the Degree of  
**MASTER OF COMMERCE**  
2020-2022



<p><b>Submitted To:</b> Dr. Savita Rana Assistant Professor Department Of Commerce And Management St. Bede's College, Shimla</p>	<p><b>Submitted By:</b> Anchal Sharma (200091151520002) Shriya Bhaik (200091151520012) Manisha Kumari (200091151520007) M. Com 4<sup>th</sup>Semester</p>
--	---

A  
**Project Report**  
On  
**Comparative analysis between iOS and Android**  
Submitted to  
**St. Bede's college Shimla**

In partial fulfillment of requirement for the award of the degree of  
**BACHELOR OF BUSINESS ADMINISTRATION**



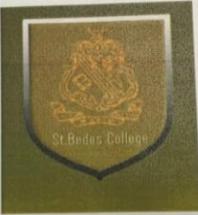
(Batch 2019-2022)

<p><b>Supervised by:</b> Dr. Savita Rana Assistant Professor Dept. of commerce and management</p>	<p><b>submitted by:</b> Eya khajuria BBA 6<sup>th</sup> semester University Roll No. 5190830006</p>
---	---

**E-SHOPPING INTENTION OF CONSUMER WITH SPECIAL REFERENCE TO FLIPKART IN SHIMLA CITY**

Submitted to  
St. Bede's College, Shimla

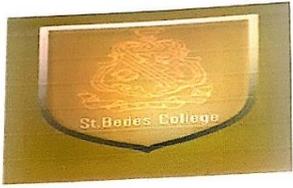
In Partial fulfillment of Post Graduate Degree in  
**MASTER OF COMMERCE**  
2020-2022



<p><b>Under the Supervision of:</b> Ms. Raman Bassi Assistant Professor Department Of Commerce &amp; Management St. Bede's College, Shimla</p>	<p><b>Submitted By:</b> Divya Dogra (200091151320004) Kiran Rathor (200091151320005) Parul Chauhan (20009115132009) M.com 4<sup>th</sup> Semester (2020-2022)</p>
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RESEARCH WORK  
ON  
**'CONSUMER PREFERENCE TOWARDS FROZEN FOOD IN SHIMLA'**  
SUBMITTED TO  
**ST.BEDE'S COLLEGE SHIMLA**

IN PARTIAL FULFILLMENT OF UNDER GRADUATE DEGREE IN BACHELORS OF BUSINESS ADMINISTRATION



<p><b>Submitted To;</b> Ms. RAMAN BASSI Assistant Professor Department of Commerce (ST.BEDE'S COLLEGE)</p>	<p><b>Submitted By:</b> SHANYA SOOD Roll No: 5190830019</p>
--	---

St. Bede's college, Shimla-171002  
2019-22