



Name of the activity: Field Visit to Explore Local Flora (Jakhu Hills)

Date: 25th September, 2023

Report

Objectives

- To familiarize the students with plant species of local community, assess their distribution, and study the ecological importance.
- To conduct taxonomic studies to identify and classify plants into different groups.

Description

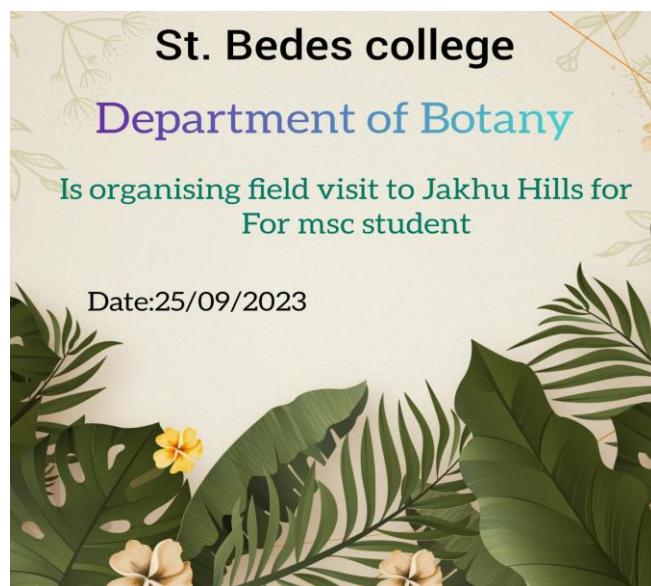
The department of Botany organized a local field visit for M.Sc. students on 25th of September, 2023 to Jakhu Hills. A group 33 students along with faculty members went to Jakhu Hills to explore the local vegetation growing in the areas. The students studied the plants belonging to different plant groups like Bryophytes, Pteridophytes, Gymnosperms and Angiosperms. They got acquainted with the vast knowledge regarding the plant identification, classification and their economic importance.

Outcomes

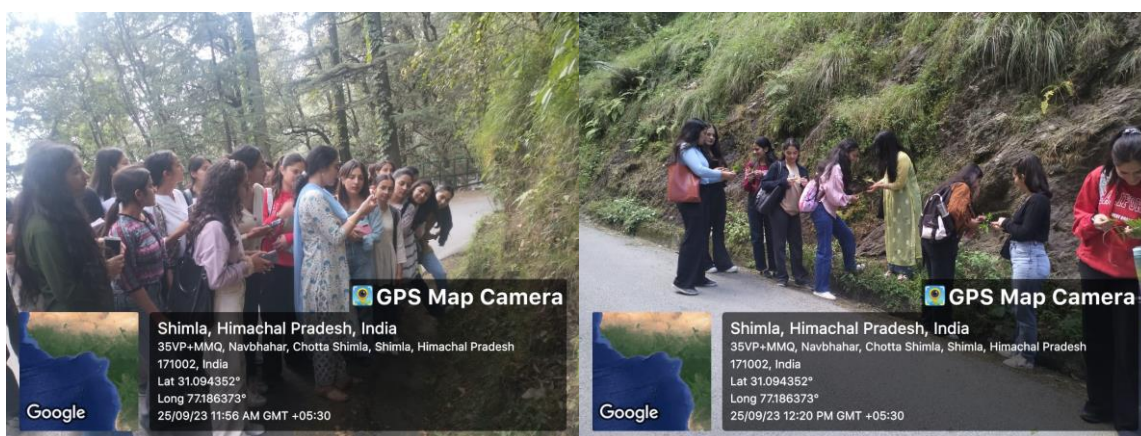
The visit highlighted the ecological importance of local biodiversity; their role in maintaining ecological balance. The field visit was very insightful for the students.



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Brochure



Local Flora Exploration

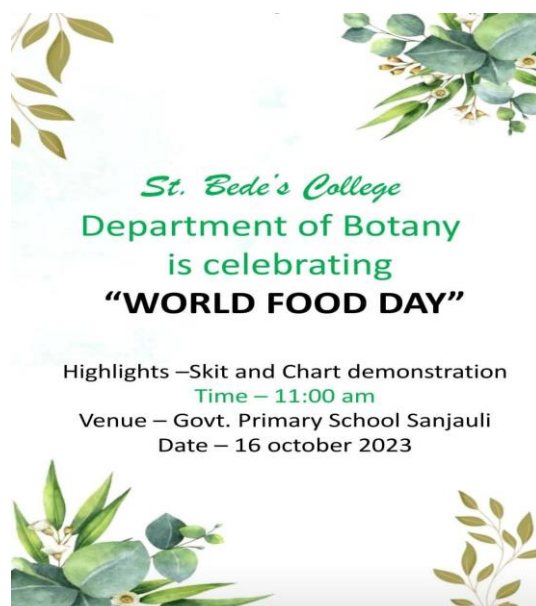


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Name of the activity: World Food Day Celebration

Skit and Chart Demonstration (Govt. Primary School, Sanjauli)

Date: 16 October, 2023



Brochure

REPORT

Objectives

- To motivate school children to eat healthy food.
- To spread awareness about water conservation.

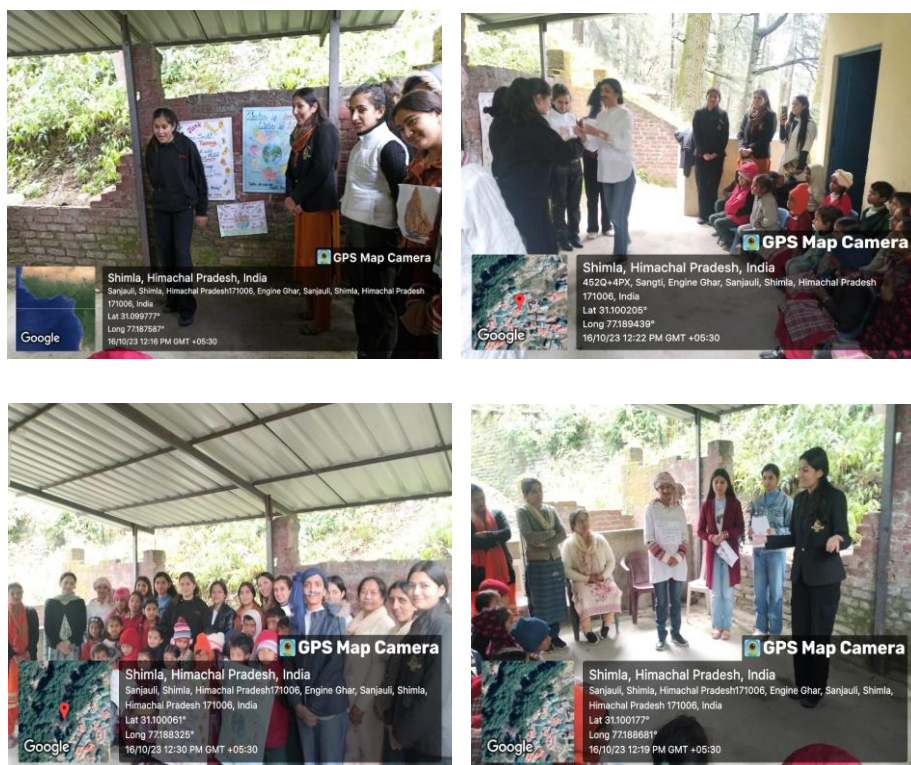


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Description

The students of M.Sc.-Botany of St Bede's college went to Government primary school Sanjauli on October 16, 2023 to celebrate World Food Day. The theme for world food day 2023 was "Water is life, water is food. Leave no one behind." This theme emphasized on the crucial role of water in sustaining life on earth and its connection to food sources. Students gave pictorial presentation and performed a skit to motivate students. With the help of charts they differentiated between healthy and unhealthy food and spread awareness about water content of some vegetables and fruits. After presentation they performed a skit entitled "Healthy vs. Unhealthy food" which portrayed benefits of eating healthy and ill effects of eating unhealthy /junk food.

Outcomes



World Food Day Celebration



Media Report

Activity: Intra-Department Quiz Competition on World Habitat Day

Date: October 3, 2023

Objectives:

- To promote awareness about World Habitat Day and its relevance to the field of Botany.
- To test the knowledge and understanding of ecology and environmental concepts among the students.
- To encourage healthy competition and teamwork among the participants.

Description

To celebrate World Habitat Day, the Department of Botany, St. Bede's College organized an intra-department quiz competition on the topic 'Ecology and Environment'. This initiative aimed to enhance the understanding of our environment and its significance in the context of sustainable habitat.

Five teams from B.Sc. and M.Sc. Botany participated in the quiz competition. The competition comprised of three rounds i.e. Multiple-Choice Question Round, Direct Question Round and Audio-Visual Round. Participants were challenged with a diverse set of questions covering various aspects of ecology and the environment. These questions covered topics such as biodiversity, ecosystems, conservation, and environmental sustainability.



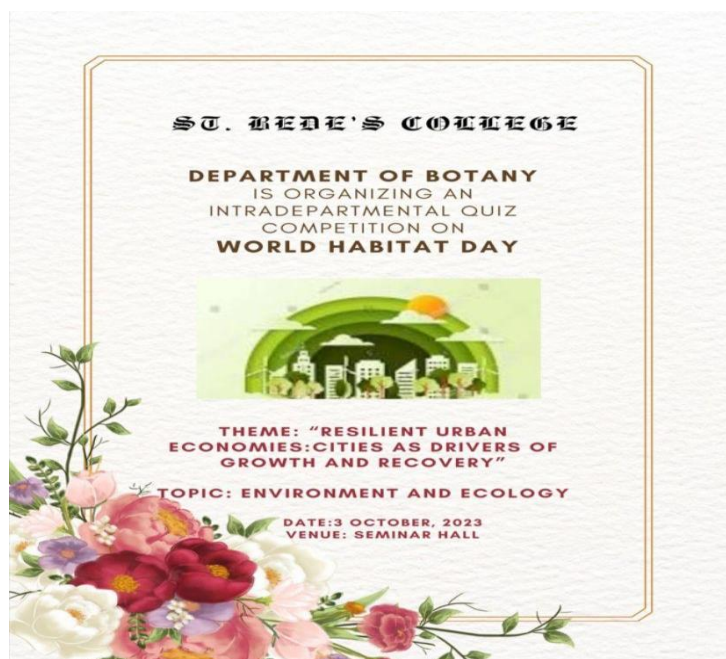
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Priyanka, Samriti and Khusboo of B.Sc. III secured the first position. Deeya, Aastha and Aditi of B.Sc I; and Rhishika, Aahna and Sanyogita of B. Sc. II bagged second and third positions respectively.

Outcomes:

Participants and attendees gained a deeper understanding of the global challenges related to habitat conservation and sustainable development. The quiz competition encouraged participants to think critically and creatively about environmental issues.

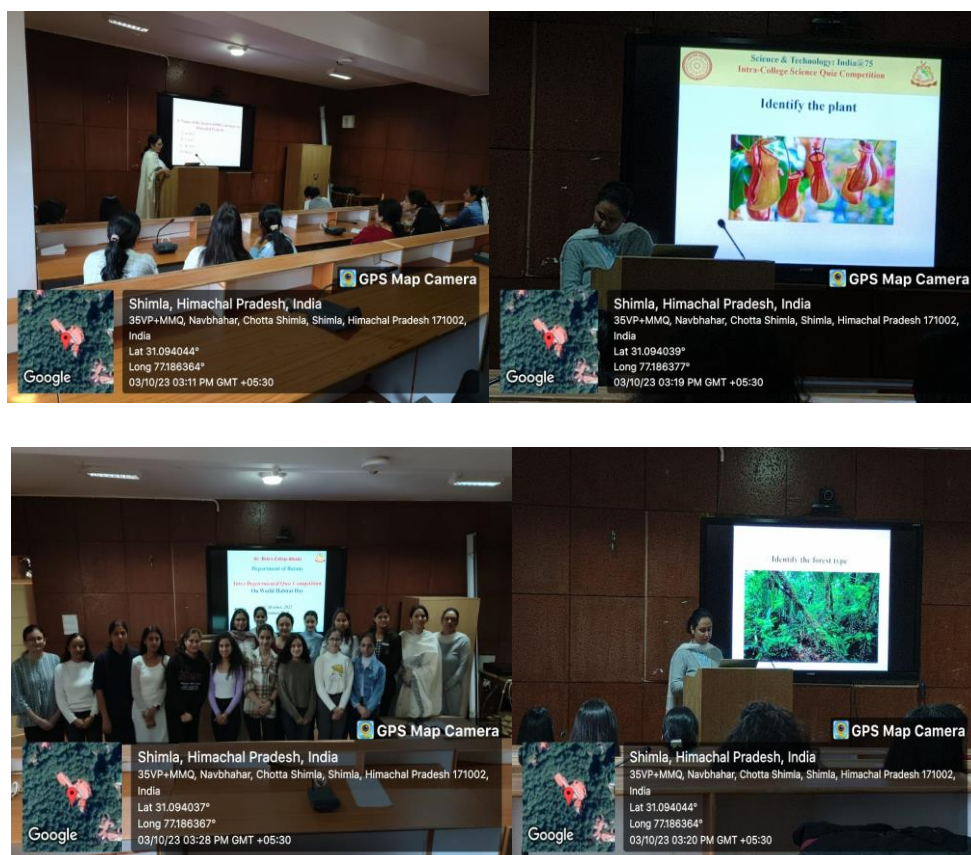
In conclusion, the intra-department quiz competition not only served as a platform for celebrating World Habitat Day but also contributed to the overall educational and intellectual development of our students. It reinforced the importance of ecology and environmental conservation and encouraged our students to become active participants in safeguarding our planet's ecological balance.



Brochure



Department of Botany, St. Bede's College, Shimla



Intra-departmental Quiz Competition

Activity: Educational Visit to Panjab University, Chandigarh

Date: November 8, 2023

Objectives:

- To learn about the process of making herbarium and its relevance to the field of botany.
- To test the knowledge and understanding of criteria to design Botanical gardens.
- To acquire knowledge about different plant families.

Description

The Department of Botany, St. Bede's College organized an educational visit on 8th November, 2023 to Panjab University, Chandigarh for the students of MSc. I and III semester. A group of 32 students along with two faculty members had a goal to enhance the understanding about the significance of Herbarium and Botanical gardens. The



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students visited “P.N. Mehra Botanical Garden” which is named after its founder and spread over 16 acres of land. It is one of the famous botanical gardens in the region. There were many special attractions in the garden for the Botany students. There was an Arboretum with about 225 species of trees; a lily pond vegetated with species of *Nelumbium* and *Nymphaea*. There was a cactus-house having more than 100 species of cacti, orchid-house with beautiful orchids and a fern-house grow nearly 50 species of ferns from different parts of India. One of the most astonishing attractions was Bambusetum with around two dozen rare species of bamboos grown from the last 40 years. There was a well-maintained nursery and automated Greenhouse. Overall, the trip was very informative and knowledgeable for the students as well for faculty.

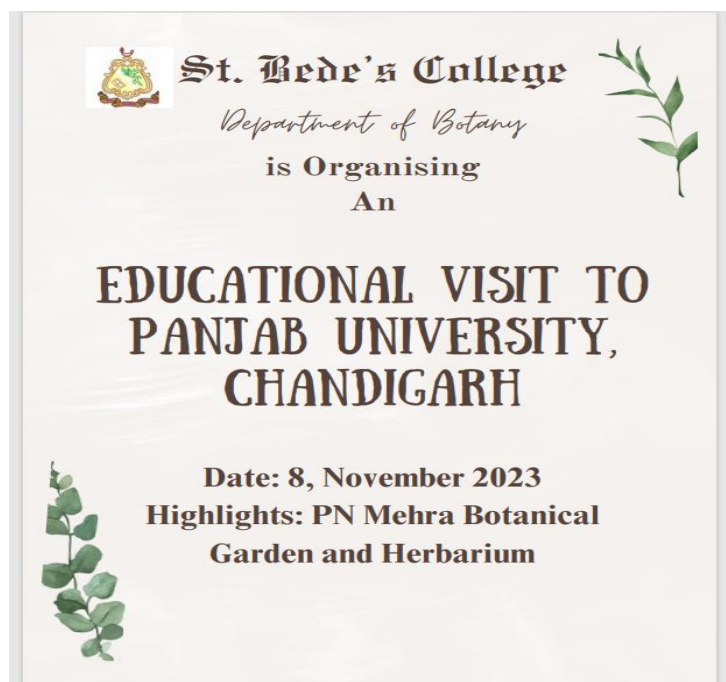
Outcomes

Students gained a deeper understanding of the different types of plant groups and herbarium techniques. They learnt about the nursery techniques how to grow, multiply, acclimatize and then transplant plants. The students gained a lot of information and knowledge about conserving and enriching plant bio-diversity through exchange of plant and seeds.

In conclusion, the visit contributed to the overall educational and intellectual development of our students as well as for faculty.



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Educational Visit to Panjab University, Chandigarh



5. Activity: Guest Lecture on “Traditional Ethnobotanical Knowledge of Native Plant Diversity from Himachal”

Resource Person: Dr. Vaneet Jishtu (Scientist, HFRI) Date: November 29, 2023

Objectives

- To provide important educational experience for students based on real life experiences of resource person.
- Insight and perspective of the resource person
- Interact with professionals in formal and informal settings.

Description

The Department of Botany, St. Bede's College organized a guest lecture on “**Traditional Ethnobotanical Knowledge of Native Plant Diversity from Himachal**” on November 29, 2023 for Post Graduate and Under Graduate students in the auditorium. The resource person for the guest lecture was Dr. Vaneet Jishtu, Scientist E, ICFRE, HFRI, Panthaghati, Shimla.

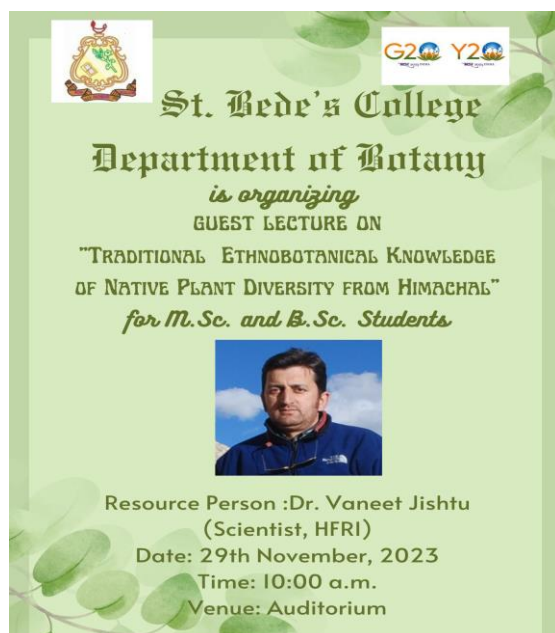
Outcomes

Dr. Vaneet Jishtu informed students about the various Ethnobotanical plants of Himachal Pradesh and the ways these plants could be used by mankind. Through his presentation, he acquainted the students with the knowledge of plants that can be used as dyes, food, timber, medicines and other non -Timber Forest Products.

Dr. Jistu emphasized on the importance of Field visits and interaction with Ethnic communities in the field of Ethnobotany. It was an insightful and informative session.



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Brochure



Guest lecture



ACTIVITY: National Science Day

Events:

- Interactive Session
- Science model exhibition

DATE: 28-02-2024

1. INTERACTIVE SESSION

OBJECTIVES:

- To spread the message of importance of science and its applications in daily life.
- To engage the youth in scientific activities and consider careers in science.
- Inculcating scientific temper and fostering a culture of innovation.
- Promoting public awareness and appreciation.

DESCRIPTION:

On 28, February, 2024, St. Bede's college celebrated National Science day. The theme for the event was "Indigenous Technologies for Viksit Bharat". The college organized an interactive Session on "Indigenous Technologies for Viksit Bharat for Post Graduate and Under Graduate students in the seminar hall. The resource person for the session was Dr. Ramesh Chand Thakur, Director IQAC and Associate Professor, Deptt of Chemistry, HPU, Shimla.

Dr. Ramesh Chand Thakur informed students about the importance of science in daily life. He discussed recent indigenous scientific and technological achievements like India semiconductor mission, Akash missile, INS Vikrant, 5G in India, COVID vaccine made by Bharat Biotech, Chandrayan 3 etc. He laid emphasis on the value of home-made technologies. He also discussed major achievements and new initiatives launched by Indian government during 9 years. The resource person also discussed the career options available for science graduates and post graduates.

OUTCOMES



The session was an extremely enlightening and informative experience for students. It inculcated critical thinking and scientific attitude. Students come to know about various career options available for them. They gained a lot of knowledge about the modern day science. In conclusion, the lecture contributed to the overall educational and intellectual development of our students as well as for faculty.

2. SCIENCE EXHIBITION

OBJECTIVES

- To foster creativity and build confidence
- To encourage teamwork and develop presentation skills
- To enhance learning and to prove scientific principles

DESCRIPTION

On the occasion of National Science day, students of under graduate and post graduate science departments participated in science model exhibition. The students displayed various models like sustainable plant products, medicinal plants, Indian women scientists, artificial intelligence in everyday life, wireless charging station, hydroponic farming, computer project- output devices etc.

OUTCOMES

The event increased students' knowledge of scientific inquiry and promoted positive attitude towards science. It broadens the technological literacy both individually and collectively.



Department of Botany, St. Bede's College, Shimla



National Science Day Celebration



ACTIVITY: International Women's Day Celebration

DATE: 11, March 2024

Session I- International Webinar on “Contribution of Women in STEM Fields”

Objectives:

- To celebrate the achievements and accomplishments of women in Science, Technology, Engineering and Mathematics
- Promoting public awareness and appreciation about women scientists.
- To recognize the challenges and foster a sense of gender equality

Description:

On 11, March, 2024, Department of Botany (CURIE Grant (DST)) St. Bede's College celebrated International Women's Day to recognize the importance of women in STEM Fields. The theme for the event was “Invest in Women: Accelerate Progress”. The department organized an International Webinar on “Contribution of Women in STEM Fields” for Post Graduate students in the seminar hall. Dr. Oliver B Villaflores, University of Santo Tomas, Philippines and Dr. Satish Sharma, Professor and Head of Department of Electronics and Computer Science; RTM Nagpur University were the resource persons for the event. They discussed the contribution of women scientists in modern science and technology. He discussed recent women scientists and their technological achievements. He also informed the students about various biological techniques used to extract bioactive compounds from plants and their medicinal uses to mankind.

Outcomes

The session was an extremely enlightening and informative experience for post graduate students. They gained a lot of knowledge about the contribution of women scientists in modern day science. In conclusion, the lecture contributed to the overall educational and intellectual development of our students.

Session II- Presentation on “An Ode to Unsung Heroes”



Objectives:

- To promote awareness and scientific literacy among women student
- To discuss the various barriers and stereotypes hindering women participation in science
- To discuss the contribution of women scientists
- To spread awareness about the various schemes launched by Government for women scientists

Description

In celebration of International Women's Day, Dr Sapna Sharma, Department of Physics, St. Bede's College delivered a presentation on "An Ode to Unsung Heroes". This initiative aimed to enhance the awareness about the contribution of women scientists in designing the periodic table. The contribution of Marie Curie, Lise Meitner, Ida Noddak, Margaret Todd, Marguerite Perey and Darleane Hoffman was remembered. Their inventions and innovations have enriched the mind of students.

Outcome:

The attendees gained understanding of the global challenges experienced by women scientists. The presentation also encouraged and inspired the students to participate in research activities related to scientific issues.

Session III- Panel-Discussion on "Contribution of Women in STEM Fields"

Objectives

- To spread message about gender equality and women rights
- To encourage teamwork among women
- To analyze the problematic impacts of sexual inequalities
- To inspire the students from the journey of women scientists



Department of Botany, St. Bede's College, Shimla

Description

On the occasion of International Women's day, there was a panel discussion in which, Dr. Neha Katoch (RGGDC, Chaura Maidan, Shimla), Dr. Sapna Sharma, Dr. Shweta Thakur, Ms Neha Walia, Dr. Kusum, Dr. Preeti Kaundal, Ms. Titiksha, Dr. Sangeeta Sharma of St. Bede's college discussed their journey into science and various challenges that women face while building their career. They also discussed the differences in education sector pertaining to females. They discussed the changes needed to include in scientific system to make it more inclusive for females in science. They advised the students about various career options available in science. Post graduate students actively participated in the panel discussion.

Outcomes

The event increased students' knowledge about the contribution of women scientists both individually and collectively. Students were inspired by the great words of dignitaries. It helped the students to gain confidence in order to achieve greater things in life.



Brochure of Webinar



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ST. BEDE'S COLLEGE
NAAC RE ACCREDITED WITH A+ GRADE

DEPARTMENT OF BOTANY
(CURIE GRANT-DST)

ON OCCASION OF
INTERNATIONAL WOMEN'S DAY 2024
IS ORGANIZING

**INTERNATIONAL WEBINAR AND PANEL
DISCUSSION ON
"CONTRIBUTION OF WOMEN IN STEM FIELDS"**

EVENTS:

- 1) International Webinar on "Contribution of Women in STEM fields"
(Resource Person : Dr. Oliver B Villaflores, University of Santo Tomas Philippines)
- 2) Presentation on "An Ode To Unsung Heroes "
By Dr. Sapna Sharma
- 3) Panel Discussion on "Contribution of Women in STEM fields"
Resource Persons:

- Dr. Sapna Sharma (Associate Professor, Dept. of Physics, St. Bede's College)
- Dr. Neha Katoch (Assistant Professor, Dept. of Physics, RGGDC, Chaura Maidan)
- Dr. Shweta Thakur (Assistant Professor, Dept. of Zoology, St. Bede's College)
- Ms. Neha Walia (Assistant Professor, Dept. of Comp. Science, St. Bede's College)

Date: March 11, 2024
Time: 10:30 a.m. onwards
Venue: Seminar Room

Brochure of Activity

OLIVER VILLAFLORES (Presenting)

INTERNATIONAL CONTRIBUTIONS OF SELECTED AMPHIPHILIC SPIGOLS

Shivani Khandel
Sushil Sharma
St Bede's Colle...
Premiera Kapoor
sangeeta shar...
Aparna sha...
33 others
BOTANY DEPA...

11:11 AM | International Webinar on "Contribu...

GPS Map Camera

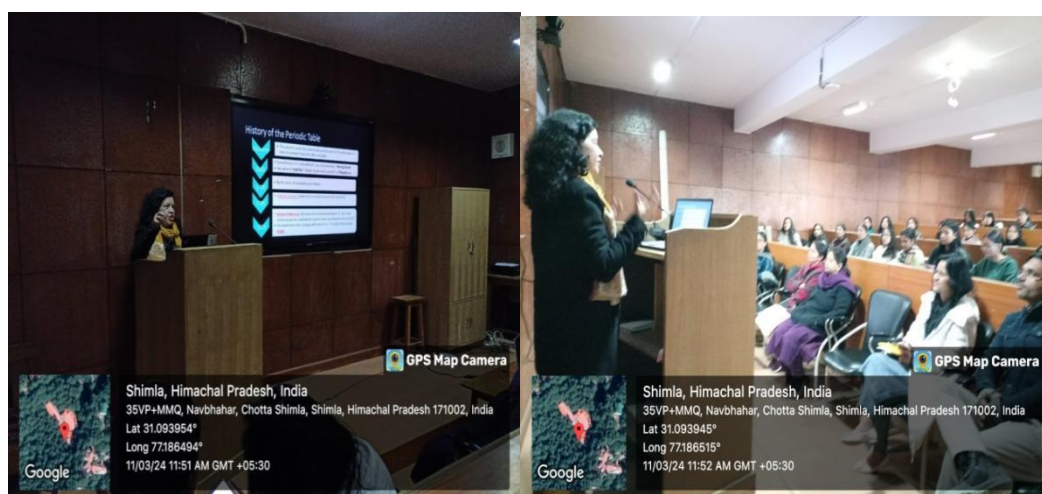
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Lat 31.094014°
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Webinar

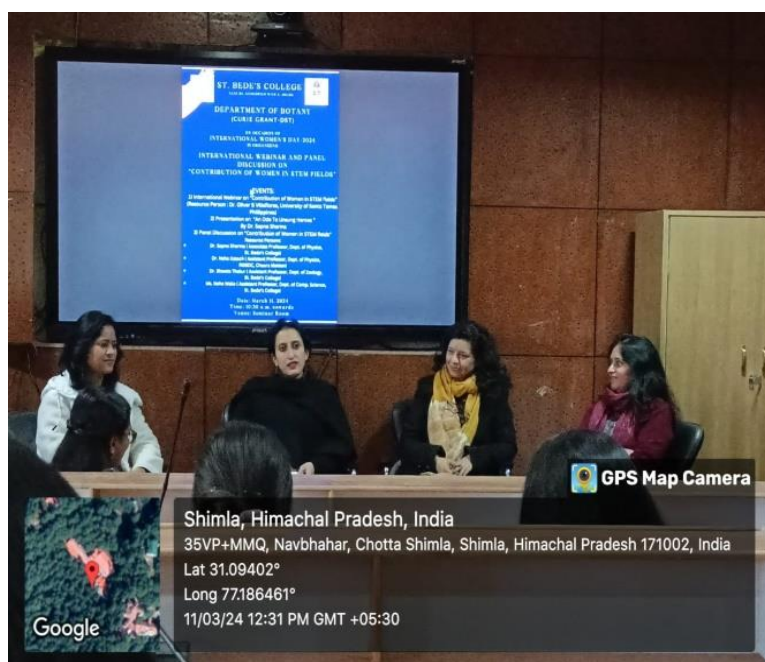




Department of Botany, St. Bede's College, Shimla



Presentation on an “An Ode to Unsung Heroes”



Panel Discussion on “Contribution of Women in STEM Fields”



Divya Himachal 18.3.24

सेंट बीड्स कालेज में मनाया अंतरराष्ट्रीय महिला दिवस



सिटी रिपोर्टर-शिमला

सेंट बीड्स कालेज शिमला में अंतरराष्ट्रीय महिला दिवस मनाने के लिए कार्यक्रम का आयोजन किया गया। इस कार्यक्रम में सेंट थॉमस विश्वविद्यालय, फिलीपींस के डा. ओलिवर बी विलाफ्लोरेस और आरटीएम नागपुर के इलेक्ट्रॉनिक्स और कम्प्यूटर विज्ञान विभाग के प्रोफेसर और प्रमुख डा. सतीश शर्मा ने बतौर मुख्यातिथि शिरकत की। इस कार्यक्रम में

मुख्यातिथियों द्वारा एसटीईएम क्षेत्रों में महिलाओं का योगदान पर अंतरराष्ट्रीय वेबिनार और पैनल चर्चा की गई।

इसमें उन्होंने महिला वैज्ञानिकों के आधुनिक विज्ञान और प्रौद्योगिकी में योगदान पर चर्चा की। इसके बाद महाविद्यालय की भौतिकी विज्ञान विभाग की डा. सपना शर्मा द्वारा एन ओड टू अनसंग हीरोज पर एक प्रेजेंटेशन दी गई। इसके बाद कार्यक्रम में एक पैनल डिस्कशन का आयोजन

किया गया, जिसमें डा. सपना शर्मा, आरजीजीडीसी, चौड़ा मैदान से डा. नेहा कटोच, डा. श्वेता ठाकुर और नेहा वालिया ने विज्ञान के क्षेत्र में अपनी यात्रा और महिलाओं के सामने आने वाली विभिन्न चुनौतियों पर चर्चा की। उन्होंने बताया कि महिलाएं कैसे अपना करियर बना सकती हैं। इसके बाद कालेज के प्राचार्य प्रो. सीनियर मौली अब्राहम ने छात्रों को वैज्ञानिक और अनुसंधान गतिविधियों में भाग लेने के लिए प्रोत्साहित किया। इसके बाद उन्होंने वैज्ञानिक और अनुसंधान गतिविधियों और विज्ञान में महिलाओं के योगदान पर भी प्रकाश डाला। इस पूरे कार्यक्रम का आयोजन वनस्पति विज्ञान विभाग के डा. कुसुम, डा. प्रीति कौंडल, तितिक्षा कमल और डा. संगीता शर्मा द्वारा किया गया था।

सेंट बीड्स कॉलेज में
महिलाओं पर वेबिनार
का आयोजन

शिमला। सेंट बीड्स कॉलेज शिमला में अंतरराष्ट्रीय महिला दिवस के उपलक्ष्य पर वेबिनार का आयोजन किया गया। वेबिनार में विलाफ्लोरेस यूनिवर्सिटी ऑफ सेंटो टॉमस फिलीपींस के डा. ओलिवर और आरटीएम नागपुर यूनिवर्सिटी के प्रोफेसर डा. सतीश शर्मा ने भी हिस्सा लिया।

इसका विषय साइंस, टेक्नोलॉजी, इंजीनियरिंग और मैथेमेटिक्स के क्षेत्र में महिलाओं का योगदान रहा। भौतिक विज्ञान पर डा. सपना शर्मा ने लेक्चर दिया। चर्चा में डा. नेहा कटोच, डा. श्वेता ठाकुर और नेहा वालिया ने शिरकत की। बताया कि उन्होंने विज्ञान के क्षेत्र में आगे बढ़ने में किस तरह की चुनौतियों का सामना किया।

कालेज प्राचार्य सिस्टर मौली अब्राहम ने छात्रों को विज्ञान के क्षेत्र में अपने लक्ष्य को निर्धारित कर निरंतर इसे प्राप्त करने के लिए मेहनत करने की सलाह दी। यह आयोजन सेंट बीड्स कॉलेज के बाईटनी विभाग ने किया।

कार्यक्रम में शिक्षक डा. कुसुम, डा. प्रीति कौंडल, तितिक्षा कमल और डा. संगीता शर्मा ने भी शिरकत की। धृते

Amar Ujala
13.03.24



Media Reports on International Women's Day Celebration

**ACTIVITY: Educational visit to NBPGR (National Bureau of Plant Genetic Resource)
Regional Station, Phagli, Shimla and Flora exploration**

DATE: 5th April 2024

REPORT

OBJECTIVES

- To enhance class room learning.
- To acquaint the students with local floral diversity.
- To conduct taxonomic studies which help the students to identify and classify plants.
- To inculcate critical thinking and learn new skills and knowledge.

DESCRIPTION

The Department of Botany, St. Bede's College organized an educational visit on 5th April, 2024 to National Institute of Plant Genetic Resources (NBPGR), Phagli, Shimla for the students of MSc. II and IV semester. A group of 32 students along with two faculty members had a goal to enhance the understanding about the significance of local plant diversity. Dr. Narender Negi, Scientist ICAR- NBPGR RS; Shimla provided insight about the various research activities of Institute. First of all a documentary on germplasm collection, characterization and plant quarantine was shown to students followed by a field and cold storage visit. The institute harbours various varieties of exotic as well as indigenous fruits. It contains 1043 germplasm of temperate fruits like Kiwi (*Actinidia chinensis*), Plum (*Prunus domestica*), Persimmon (*Diospyrus kaki*), Pear (*Pyrus sp*), Apricot (*Prunus armeniaca*), Behmi (*Prunus mira*), Apple (*Malus domestica*), Walnut (*Juglans regia*) etc. The students also had an insight of medium term cold storage facility and glass house.

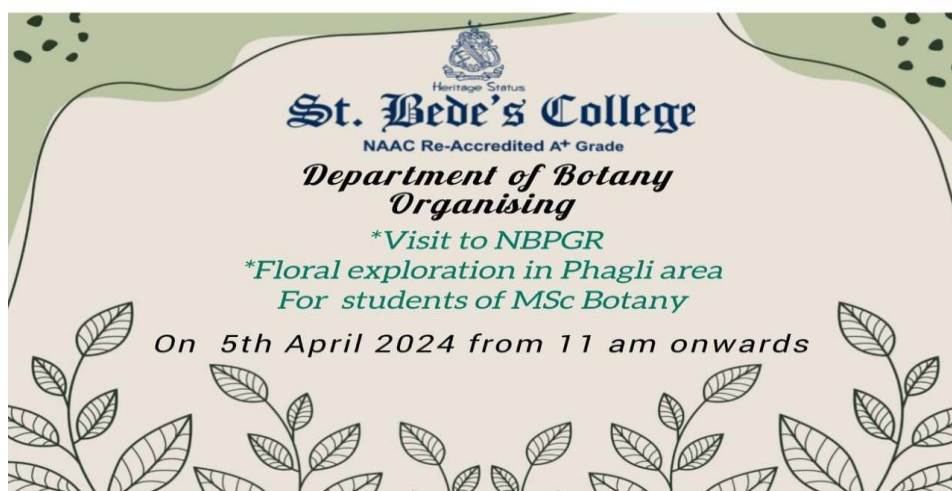
Overall, the trip was very informative and knowledgeable for the students as well for faculty.

OUTCOMES



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Students gained a deeper understanding of local plant diversity. The students gained a lot of information and knowledge about conserving and enriching plant bio-diversity through exchange of plant and seeds. They gained deep understanding of advance instrumentation available in the institute. In conclusion, the visit contributed to the overall educational and intellectual development of our students as well as for faculty.



Brochure



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St. Bede's College, Shimla*



Visit to NBPGR



*Department of Botany,
St. Bede's College, Shimla*