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SHANTI DEVI ARYA MAHILA COLLEGE

Dinanagar (Distt. Gurdaspur)-143531

ESTD. 1968

Affiliated to GNDU, Amritsar | A Multi-Faculty Post-Graduate Women College

Re-Accredited by NAAC with 'A' Grade

College with Potential for Excellence Status by UGC, Green Champion Award by MGNCRE (Govt. of India)

Ref.No. 5328.A.SD/GEN

Dated.24-04-2021



MEMORANDUM OF UNDERSTANDING

Between

SHANTI DEVI ARYA MAHILA COLLEGE

Dinanagar, Gurdaspur



&

OHRI NURSERY(2021-24)

Mugrala Road, Dinanagar, District

Gurdaspur



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MEMORANDUM OF UNDERSTANDING (MoU)

This Memorandum of Understanding ("MoU") is between Shanti Devi Arya Mahila College, Dinanagar and Ohri Nursery, Dinanagar.

Shanti Devi Arya Mahila College, Dinanagar, hereinafter referred to as "Party A" and Ohri Nursery, hereinafter referred to as "Party B" recognize the importance of promoting education and skill development in the field of Botany and Agriculture.

Party A seeks to enhance its educational offerings by providing practical training to students and Party B is a renowned grower and supplier of all kinds of plants.

Both parties wish to collaborate to provide quality education to students and spread environmental awareness in society.

Therefore, both the beneficiary parties agreed as follows:

Purpose

The purpose of this MoU is to establish a collaborative partnership between Party A and Party B to promote environmental awareness, environmental sustainability and green initiatives. Students of Botany will also be benefitted by the technical training provided to them.

Collaborative Activities:

a. Tree Plantation Initiatives- Party B agrees to provide saplings and technical support for tree plantation initiatives organizes by Party A within it campus and surrounding areas.

b. Educational Workshops- Party A agrees to organize educational workshops, seminars and awareness programs in local and surrounding areas on topics related to seedling cultivation, fertilizer management of



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vegetable crops, organic farming, horticulture practices, environmental conservation, gardening and sustainable living with the participation and support of Party B.

c. Exchange Programs- Party B agrees to facilitate visits and exchange programs for students and faculty of Party A, providing them with opportunities to gain practical experience in nursery management , seedling cultivation, organic farming, plant propagation and related activities.

d. Community Engagement- Party A and Party B agree to jointly engage with the local community to promote environmental awareness and encourage participation in green initiatives, such as community tree plantation events, gardening workshops and clean-up drives.

e. Promotion of Native Species- Both parties agree to prioritize the propagation and promotion of native plant species in their respective activities with the aim of conserving local biodiversity and supporting eco system health.

Funding:

This MoU is not a commitment of funds by one partner organization to the other partner organization's activities.

Duration:

This MoU shall come into effect on the date of its signing by both parties and shall remain in force for a period of 24.04.2021 to 23.04.2024 (Two year and one year of Extension)], unless terminated earlier by mutual agreement.

Name of organisation	Date of signed MOU	Duration of MOU
Ohri Nursery, Dinanagar	24/04/2021	3 Years



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Amendments:

Any amendments or modifications to this MoU shall be made in writing and signed by authorized representatives of both parties.

Termination:

Either party may terminate this MoU by providing one month notice written notice to the other party. Termination shall not affect any ongoing collaborative activities unless mutually agreed otherwise.

IN WITNESS WHEREOF, the undersigned, duly authorized representatives of Shanti Devi Arya Mahila College, Dinanagar and Ohri Nursery, Dinanagar have executed this MoU as of the date first above written.

VishvInd
Proprietor
Ohri Nursery, Dinanagar

For OHRI NURSERY
VishvInd
PROP.

Principal *Reena Talwar*
Shanti Devi Arya Mahila College
Principal Dinanagar (GSP.)
Shanti Devi Arya Mahila College, Dinanagar

Report of activities (2021-2024)

Workshop on Bio composting at college premises

Report of Workshop on Bio composting

Institute	Shanti Devi Arya Mahila College, Dinanagar
Department	Botany
Activity	Workshop on Bio composting
Date	02/09/2021
Time	10:30 AM
Class	BSc (med) 3 rd year
Participants	15
Faculty members	02

On **02/09/2021**, two workers from Ohri Nursery, Dinanagar conducted a workshop at Shanti Devi Arya Mahila College, Dinanagar to educate students about bio composting, emphasizing its importance for environmental sustainability. The workshop aimed to foster awareness and understanding among students about the principles and practices of bio composting.

SHOWING PRE-PREPARED COMPOST





- Introduction to Bio composting: Explanation of the process and its significance in waste reduction and soil enrichment.
- Benefits of Bio composting: Discussion on how composting contributes to healthier plants, reduced greenhouse gas emissions, and waste diversion from landfills.
- Practical Demonstration: Nursery workers demonstrated how to set up a compost bin, select appropriate materials, and maintain optimal conditions for composting.
- Hands-on Activities: Students engaged in sorting organic materials, turning compost piles, and monitoring temperature and moisture levels.
- Environmental Impact: Explanation of how bio composting reduces the carbon footprint and promotes biodiversity in ecosystems.
- Encouragement for students to implement composting practices at home, school, or community gardens, fostering a culture of environment friendly practices.

Conclusion –

- Increased awareness among students about the importance of Bio composting for environmental sustainability.
- Firsthand experience and practical skills gained in composting techniques.
- Empowerment of students to act in their communities by implementing composting practices.
- Encouragement of student-led initiatives to promote composting on college campuses and in surrounding communities.
- Overall, the workshop served as an educational platform for students to learn about bio composting and its role in creating a more sustainable future.

PARTICIPANTS:

SNO.	NAME
1.	SHIKHA
2.	TANVEER KAUR
3.	SAVITA KUMARI
4.	MAHIMA
5.	TARAN PREET KAUR
6.	BAVITA SHARMA
7.	RITIKA
8.	NISHA SHARMA
9.	ANJALI SABERWAL
10.	HARPRIYA
11.	ROSHNI
12.	KANIKA THAKUR
13.	BABITA BAINS
14.	SUPREET KAUR CHEEMA
15.	NANCY

Field visit – Ohri Nursery, Dinanagar

Report of Study Visit to a Plant Nursery for Exploring Medicinal Plants

Institute	Shanti Devi Arya Mahila College, Dinanagar
Department	Botany
Activity	Exploration tour
Date	25/04/2022
Time	10:15AM
Class	BSc (med) 3 rd year
Participants	10
Faculty members	01

On **25/04/2022**, a study visits to Ohri Nursery, Dinanagar was organised by Botany department with the aim of studying medicinal plants and their cultivation practices. The visit provided students with an opportunity for hands-on learning, interaction with nursery staff, and observation of medicinal plant species in their natural habitat.

Key learning-

- Upon arrival, Students received a guided tour of the nursery, specifically the section dedicated to medicinal plants. They observed various species, including herbs, shrubs, and trees known for their medicinal properties. With the guidance of nursery staff, students learned to identify medicinal plants based on their botanical characteristics, such as leaves, flowers, and growth habits. Various cultivation techniques specific to medicinal plants, including soil preparation, propagation methods, and pest management strategies are also demonstrated. Students learned about the medicinal properties and traditional uses of each plant species, including their therapeutic benefits and preparation methods. The nursery emphasized the importance of sustainable cultivation practices, such as organic farming methods, conservation of biodiversity, and ethical sourcing of plant materials.

EXPLORING DIVERSITY OF PLANTS



MEDICINAL PLANTS



OUTCOME

- Enhanced understanding of medicinal plants and their cultivation practices among students.
- Exposure to a diverse range of medicinal plant species, enriching students' knowledge, and appreciation for plant biodiversity.
- Practical insights into sustainable gardening and conservation practices applicable to medicinal plant cultivation.

PARTICIPANTS:

SNO.	NAME
1.	AVNEET KAUR
2.	KOMAL SHARMA
3.	RAVINDER KAUR
4.	PRIYA SHARMA
5.	RIYA SAINI
6.	SIMRAN KAUR
7.	MANDEEP KAUR
8.	SHARDA DEVI
9.	RIDHAM SHARMA
10.	AVNEET KAUR

ON SITE LEARNING ACTIVITY– Ohri Nursery, Dinanagar

Report of On-site learning activity: Tree plantation drive

Institute	Shanti Devi Arya Mahila College, Dinanagar
Department	Botany and biotechnology
Activity	Tree plantation
Date	10/04/2023
Time	10:00 AM
Class	BSc (Med and BT)
Participants	34
Faculty members	02

On **10/04/2023**, department of Botany and Biotechnology organised a tree plantation drive in collaboration with Ohri nursery, Dinanagar. The main objective of the tree plantation drive was to contribute towards environmental sustainability by increasing green cover in the community. It aimed to foster environmental consciousness among students.

Collaboration with Ohri nursery played a crucial role in providing a diverse variety of plant saplings for plantation drive based on the climatic and soil conditions of the area.

Activities:

- Identification of suitable locations for tree plantation on the college campus.
- Awareness campaign was conducted, highlighting the importance of trees and their role in mitigating climate change, improving air quality, and preserving biodiversity.
- With proper guidance, students enthusiastically planted saplings ensuring proper techniques for planting and maintenance.



OUTCOME –

- A total of fifty trees were successfully planted, contributing to the enhancement of green cover on the college campus.
- The event fostered a sense of environmental responsibility among participants, encouraging them to actively engage in future conservation efforts.
- Through educational session and hands-on experience, students gained a deeper understanding of the vital role trees play in sustaining ecosystems and promoting human well-being.

PARTICIPANTS:

SNO.	NAME
1.	ANCHAL
2.	DIKSHA DEVI
3.	SADHNA
4.	ANCHAL
5.	HARSHIKA
6.	SONIA
7.	KAMALPREET KAUR
8.	EKTA MANHAS
9.	MANISHA THAKUR
10.	SAPNA
11.	JASHANDEEP KAUR
12.	TANVI KAUL
13.	SUKHMANPREET KAUR
14.	NAVNEET KAUR
15.	SIYA SAINI
16.	PALLVI
17.	PARUL THAKUR
18.	NANDANI
19.	BHUMIKA
20.	RADHIKA

21.	ADITI
22.	HARMANJOT KAUR
23.	PALLVI MANHAS
24.	HIMANSHU DOGRA
25.	NAVNEET KAUR
26.	ANAMIKA DEVI
27.	TISHA
28.	VANSHIKA
29.	NITASHA CHARAK
30.	SAKSHI SALARIA
31.	GURLEEN KAUR TANIA
32.	SIMRANGEET KAUR
33.	ANAMIKA
34.	VANSHIKA

Workshop on Vermicomposting at college premises

Report of Workshop on Vermicomposting

Institute	Shanti Devi Arya Mahila College, Dinanagar
Department	Botany
Activity	Workshop on Vermicomposting
Date	10/04/2024
Time	10:00 AM
Class	BSc Med 2 nd year
Participants	15
Faculty members	02

On **10/04/2024**, department of Botany organised a workshop on vermicomposting in collaboration with Ohri nursery, Dinanagar to demonstrate the process of converting organic waste into nutrient-rich compost using composting worms and to promote sustainable waste management practices among students. It helped in providing Firsthand Experience /Environmental Awareness /Community Engagement and Resource Utilization among students.

The activity involved total 20 participants, including students, faculty members, and staff volunteers from college.

Activities:

1. Introduction: Students were briefed by the expert on the concept of vermicomposting and its environmental benefits, such as reducing organic waste sent to landfills and producing high-quality compost for soil enrichment.
2. Preparation: Vermicomposting bins were filled with bedding materials such as shredded paper or cardboard, and then moistened to create an optimal environment for composting worms.
3. Adding Worms: Red wiggler worms (*Eisenia fetida*) or other composting worm species were introduced into the vermicomposting bins, ensuring adequate ventilation and moisture levels.

4. **Feeding:** Students added organic kitchen waste, such as fruit and vegetable scraps, coffee grounds, and eggshells, to the vermicomposting bins, covering the waste with additional bedding material to regulate moisture and prevent odours.
5. **Monitoring and Maintenance:** Guidelines for monitoring the vermicomposting process, maintaining appropriate conditions, and troubleshooting common issues, such as excessive moisture or foul odours, were provided to students.
6. **Harvesting Compost:** Students learned about the process of harvesting vermicompost once the organic waste had been transformed into dark, crumbly compost, suitable for use in gardens, potted plants, or landscaping projects.





OUTCOME –

The vermicomposting activity conducted to demonstrate the feasibility and benefits of composting organic waste using composting worms, while promoting environmental awareness and community engagement. Through ongoing education, outreach, and collaboration, we aim to continue advancing sustainable waste management practices and fostering a culture of environmental guardianship within the college community and beyond.

PARTICIPANTS:

SNO.	NAME
1.	HARPREET KAUR
2.	SAZIA
3.	NEHA
4.	KIRTI SAINI
5.	MANDEEP KAUR
6.	TISHA
7.	VANSHIKA
8.	NITASHA CHARAK
9.	SAKSHI SALARIA
10.	GURLEEN KAUR TANIA
11.	SIMRANGEET KAUR
12.	ANAMIKA
13.	RIYA
14.	SUNALI SHARMA
15.	PALLVI KATAL
16.	MANPREET KAUR


Principal
Shanti Devi Arya Mahila College
Dinanagar (GSP.)