



Govt. Arya Degree College, Nurpur



Best Practices



Skill Development and Enhancement



WHY SKILL DEVELOPMENT

The Government Arya Degree College Nurpur believes in giving the best platform for knowledge, skill development, inclusive learning and capacity building along with strong academic foundation.

The practical exposure will open new bundle of opportunities for the students to learn with experiential learning and practical approach.

The National Education Policy 2020 focuses on the skills development and aims at equipping students with the necessary skills to thrive in 21st century.

We at Government Arya Degree College have imbibed the vision of NEP 2020 which is the future of the Indian Educational System.

Skill Development will cater the needs of the changing time required for the career support, employment opportunities and livelihood earning.



Self-Employability and Entrepreneurship Training

on

Mushroom and Fruit Cultivation

(8 February 2025)



Organized by



Govt. Arya Degree College Nurgur District Kangra (H.P.) India - 176202

and

*District Administration & Department of Horticulture
District Kangra, Govt. of Himachal Pradesh*



‘Prakriti Week: A One-Week Experiential Learning Programme for UG students’

‘Green Innovations Week: Hands-on Learning for a Sustainable Future’

‘Eco-Aesthetics Week: Craft, Cultivate, and Conserve’

‘Harmony with Nature: A One-Week Experiential Learning Programme’

Day	Theme	Key Activities
Day 1	Inauguration & Orientation	Introduction to the week’s themes; talk on “Nature as a Teacher”; ice-breaking eco games
Day 2	Natural Colour Workshop	Making eco-friendly dyes from plants, vegetables, and flowers; painting or textile activity
Day 3	Floral Craft & Eco-Art	Creating floral decor, eco-rakhis, or pressed flower art; competition on best craft
Day 4	Horticultural Practices	Hands-on in potting, composting, plant propagation, vertical gardening
Day 5	Microgreens and Nutrition	Growing and harvesting microgreens; session on sustainable food systems
Day 6	Ecotourism & Field Visit	Visit to local eco-park, botanical garden, or organic farm
Day 7	Skill Showcase & Valedictory	Competitions, exhibitions of crafts and plants, certificate distribution

TRAINING PROGRAMME ON “WEALTH FROM PLANT WASTE”

- ❑ Students learnt the technique of preparation of various products from the plant waste.
- ❑ Preparation of Herbal Gulaal.
- ❑ Utilization of flowers and parts of plants to make dry floral craft.
- ❑ Sense of entrepreneurship was introduced to the students. They were also trained to pursue their career in using waste material as commercial products.
- ❑ The herbal gulaal prepared by the students was kept in small packets of 100 grams and would be sold among the staff members before Holi festival.
- ❑ This would help us in generating financial resources at local level.





OUTCOME OF THE ACTIVITY

- ❑ Understanding the Concept of Plant Waste Utilization
- ❑ Knowledge of Innovative ideas and Methods
- ❑ Sustainable Practices and Circular Economy
- ❑ Hands-on Skills and Practical
- ❑ Promotion of Green Jobs



LEARNING TECHNIQUES OF PROCESSING & PRESERVATION OF FRUITS AND VEGETABLES

- ❑ Nurpur is known for cultivation of sub tropical fruits in Himachal Pradesh.
- ❑ Fruits like Mangoes, Lichi and Kinnow are grown in abundance in this region.
- ❑ Students learnt the art of preparing **pickles, jams, sauce, murabba, squash**, etc. from fruits, vegetables and other plant products/raw materials.



OUTCOME OF THE ACTIVITY

- ❑ Understanding the Importance of Food Processing and Preservation
- ❑ Learning Various Preservation Methods
- ❑ Techniques for Extending Shelf Life
- ❑ Practical, Hands-on Training
- ❑ Entrepreneurial Skills and Business Opportunities



BASIC TRAINING ON HORTICULTURAL PRACTICES

- Students learnt different techniques of nursery raising, grafting and soil testing at Regional Horticulture Research and Training Station Jachh, Nurpur.
- They also learnt about vermicomposting, floriculture, horticultural crops and medicinal plants used in Ayurveda.



OUTCOME OF THE ACTIVITY



▮ **Hands-on Learning of Grafting Techniques**



▮ **Exposure to Key Horticultural Practices and Facilities**

▮ **In-depth Understanding of Soil Testing**



▮ **Application of Knowledge in Sustainable Agriculture**



▮ **Connection Between Theory and Practice**

SKILL LEARNING ON USAGE OF MILLETS, MILLET PRODUCTS AND MEDICINAL PLANTS

- ❑ Millets: Ragi, Bajra, Jowar, Kangni, Kodo, Sawa
- ❑ Millet products: Sawa ki Khichdi, Kuttu ki Tikki, Ragi ki Idli
- ❑ Medicinal plants: Local medicinal plants, their proper identification, traditional knowledge and their usages.
- ❑ Students were given illustrative presentations on Millets and Medicinal plants for enhancement and expertise knowledge.



OUTCOME OF THE ACTIVITY

- ❑ **Understanding the Nutritional value and Health Benefits of Millets**
- ❑ **Learning to Prepare Millet-Based Products**
- ❑ **Exploring the Medicinal and Therapeutic Benefits of Medicinal Plants**
- ❑ **Understanding the Role of Millets and Medicinal Plants in Sustainability**
- ❑ **Improved Awareness of Health and Wellness**
- ❑ **Promoting the Use of Indigenous Foods and Herbal Remedies**
- ❑ **Environmental and Economic Benefits**



Govt. Arya Degree College Nurpur has started various skill enhancement-oriented courses during the current academic session (2025-26). The current status of these is as follows

MoUs: Collaborations with Peer Educational / Research Institutions/Industry

College has signed MoUs with different Educational /research institutions & industry for the skill and knowledge enhancement of the students. Currently 12 such MoUs are functional.

Sr. No.	Name of the Add-on Course	Duration	Department	Current Status
1	Mushroom Farming	01-09-2025 to 30-11-2025	Botany	Completed
2	Beekeeping	23-09-2025 to 27-10-2025	Zoology	Completed
3	Multimedia Development	06-10-2025 to 30-11-2025	Hindi	Completed
4	Indian Knowledge Systems	06-10-2025 to 14-02-2026	Physics	Completed
5	Chamba Rumal Embroidery	08-10-2025 to 25-02-2026.	Music	Completed
6	Social Survey	27-10-2025 to 28-02-2026	Sociology	Completed
7	Beautician	20-11-2025 to 17-12-2025	English	Completed

SKILLING STUDENTS ABOUT MUSHROOM CULTIVATION

- ❑ Demonstration about the methods of compost preparation, spawning, casing, mushroom short term and long-term storage, mushroom packaging and its marketing.
- ❑ Students also learnt about the health benefits of eating mushrooms; how to distinguish between edible and poisonous mushrooms.
- ❑ Students were encouraged to pursue mushroom cultivation as career option and be an entrepreneur in this field.





OUTCOME OF THE ACTIVITY

Understanding the Basics of Mushroom Cultivation

Hands-on Training in Mushroom Cultivation

Techniques

Understanding Environmental Factors for Mushroom Growth

Mushroom Cultivation Methods and Technologies

Post-Harvest Handling and Storage

Economic and Entrepreneurial Opportunities

Health and Nutritional Benefits of Mushrooms



TRAINING ON BEE KEEPING

- ❑ Samma village where 80% households are involved in BEE KEEPING for the last 25 years.
- ❑ Students learnt about bee keeping, artificial bee hives, bee flora and equipment used for honey extraction from the owners of Apiary.
- ❑ MoU signed between GADC Nurpur and Apiary owner for the mutual cooperation and collaboration in the field of apiculture.



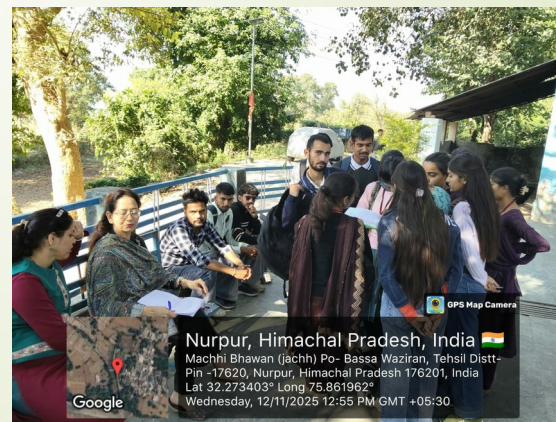
Chamba Rupal Embroidery



Beautician



Social Survey



The college has recently established an e- library with 60 smart tablets as a new initiative for the upcoming session to cater the need of online study material and various e resources enabling students to enrich their knowledge and to keep up the pace with changing times in the academia.



This initiative will benefit rural students who can access books and various digital educational AI tools that will enhance the learning and mitigate the digital lag at large.

ENHANCING COMPUTER SKILLS IN DIGITAL WORLD

- ▮ In response to the evolving landscape of education and the increasing demand for digital literacy skills, ninety students were given the training in computer skills.
- ▮ This initiative aims to equip students with fundamental computer skills essential for success in academia, the workplace, and everyday life.
- ▮ Through hands-on training and interactive sessions, students are empowered to navigate digital tools and platforms with confidence.
- ▮ It Enhances employability prospects and cultivates a tech mind-set crucial for success in the digital age.
- ▮ It bridged the digital divide by providing students with access to essential technological tools and knowledge.





OUTCOME OF THE ACTIVITY

- Enhanced Digital Literacy and Confidence
- Bridging the Digital Divide
- Cultivation of a Tech Mindset
- Practical Application of Skills



Installation of Skill Lab

The college has recently upgraded the skill lab, with 20 new computers to enhance the practical learning and technological advancement,

To upgrade to skill-based training and hands-on practice in the today's times.



- **MoUs: Collaborations with Peer Educational / Research Institutions/Industry**
- ❖ College has signed MoUs with different Educational /research institutions & industry for the skill and knowledge enhancement of the students. Currently 13 such MoUs are functional.

Memorandum of Understandings (MoUs) Signed by Govt. Arya Degree College, Nurpur with Other Institutions/ Industries Nodal Officer for MoUs: Dr. Rakesh Kumar					
S.No.	Name of the Institution	Starting Date	Valid Till	Institutional/Industry Coordinator From Concerned Institution	Institutional Coordinator Govt. Arya College, Nurpur, Dist. Kangra
1	Jaypee University of Information Technology, Waknaghat, Dist. Solan (H.P.)	06-03-2024	Until terminated by any of the party	Prof. Sudhir Kumar (Head, Dept. of Biotech. & Bioinformatics) 98056-27899	Dr. Rakesh Kumar 78070-10925
2	Wazir Ram Singh Pathania Government College, Dehri, Dist. Kangra (H.P.)	16-03-2024	Until terminated by any of the party	Ms. Sapna Bakshi/Karnakshi Lumba 94184-60399	Dr. Seema 98887-73374
3	Lentil Pharmaceuticals, Dist. Kangra (H.P.)	23-03-2024	23-03-2029	Sh. Dinesh Gupta Proprietor 94170-14574	Dr. Manoj Kumar 82620-26663
4	Ravi Agro, Jawali, Dist. Kangra (H.P.)	12-06-2024	11-06-2029	Sh. Ravinder Kumar Proprietor 94180-64273	Dr. Rakesh Kumar 78070-10925
5	Beekeeper Sh. Sulinder Singh, Bhadwar, Dist. Kangra (H.P.)	27-11-2024	26-11-2029	Sh. Sulinder Singh Proprietor 98165-47034	Dr. Diljeet Singh 86279-51997
6	IECSME- Kamdhenu Chair, New Delhi through State Coordinator Dr. Mohinder Slariya (Principal, GC Salooni)	29-11-2024	28-11-2029	Dr. Mohinder Slariya Principal, GC Salooni 94180-41374	Dr. Sohan Kumar 82787-36613
7	Aman Bhalla Group of Institutions, Pathankot, Punjab	05-12-2024	Until terminated by any of the party	Mr. Ravinder Saini Associate Prof. 94644-49200	Sh. Manjit Singh 94183-15155
8	Raja Ka Bagh: A Boutique Hotel, Raja Ka Bagh	10-12-2024	09-12-2029	Sh. Amber Mahajan Proprietor	Dr. Sohan Kumar 82787-36613
9	Sarb Mushroom Farm, Bhadwar, Dist. Kangra (H.P.)	14-12-2024	13-12-2029	Sh. Surjeet Singh Proprietor 8219196716	Dr. Rakesh Kumar 78070-10925
10	CSIR-Institute of Himalayan Bioresource Technology (IHBT)	20-01-2025	19-01-2030	Dr. Amit Kumar (Sr. Pr. Scientist) 01894-233339	Dr. Rakesh Kumar 78070-10925
11	Govt. ITI, Nurpur Dist. Kangra (H.P.)	17-03-2025	16-03-2030	Sh. Surinder Singh Sr. Asstt.	Ms. Shashi Bala 94184-32333
12	ICFRE-HFRI, Shimla	26-05-2025	25-05-2030	Dr. Pawan Rana 94180-55916	Dr. Rakesh Kumar 78070-10925

Principal
Govt. Arya Degree College
Nurpur Dist. Kangra (H.P.)

On grid Hybrid Solar Power Systems :

- ❑ Solar Panels of capacity 10KW is presently functional in the college Arts Block.
- ❑ A10 KW solar power plant at Science Block is currently under process, reflecting the institution's commitment to sustainable and eco-friendly energy solutions.

To enhance digital learning, the college has installed 11 interactive panels and virtual classrooms, with 100% of teachers utilizing these ICT facilities to benefit all students.

The college has also established two new smart classrooms to promote innovative teaching and learning.

A Virtual Classroom with Front and Back Cameras will be established soon to support skill activities and innovative teaching-learning practices in the era of Artificial Intelligence.

Skilling Students in Modern Biotechnological Techniques

Workshop on Basic Molecular Biology Techniques

Govt. Arya Degree College Nurpur and Jaypee University of Information Technology, Wagnaghat, Solan has jointly organized a **‘Workshop on Basic Molecular Biology Techniques’** during academic session 2024-25 and 2025-26.



THANK YOU

