

BEST PRACTICE -I



TITLE OF THE PRACTICE

POLYHOUSE BASED EDUCATION AND TRAINING PROGRAMME

Objectives of the Practices:

- Hands-on Learning: Provide students with practical experience in polyhouse operations and management.
- Entrepreneurship Skills: Equip students with entrepreneurship skills to establish and manage their own polyhouse-based businesses.
- Career Development: Prepare students for careers in agriculture, horticulture, and related fields.
- Community Engagement: Engage with local communities to promote polyhouse-based education and training.
- Environmental Awareness: Educate students on environmental conservation and sustainable practices in polyhouses.
- Skill Development: Develop skills in polyhouse design, construction, and management.

The Context:

College Context:

- College is offering nursery technology programme as its add on course
- Limited resources and infrastructure for polyhouse-based education
- Growing demand for skilled professionals in polyhouse technology and management

Student Context:

- Growing interest in sustainable agriculture and environmental conservation
- Need for hands-on training and practical experience in polyhouses
- Learning experience of entrepreneurship and job creation in polyhouse-based agriculture

Social Context:

- Growing awareness of environmental conservation and sustainability
- Increasing demand for organic and locally grown produce
- Need for education and training programs that address social and environmental concerns

The Practice:

1. Hands-on Learning Experience- A polyhouse provides a controlled environment for students to apply theoretical knowledge in a practical setting. By planting and nurturing vegetable seedlings, students gain first-hand experience in horticulture, pest management, irrigation techniques, and crop cultivation. This experiential learning approach helps solidify their understanding of agricultural concepts and techniques, making the educational process more engaging and effective.

2. Skill Development-Working in a polyhouse allows students to develop essential skills such as teamwork, problem-solving, and project management. They learn to collaborate with peers, follow instructions from teachers, and manage the various stages of plant growth. These skills are transferable to many other fields and are highly valued in the job market.

3. Promotion of Sustainable Practices-Polyhouses optimise the use of resources such as water, soil, and fertilisers. By observing and participating in sustainable agricultural practices, students become more environmentally conscious and learn the importance of resource conservation. This awareness is crucial in fostering a generation that values and practises sustainability in various aspects of life.

Evidence of success-Students have shown increased interest and engagement in practical learning activities at Polyhouse. 45 students received polyhouse training in the academic session 2023-24. This has also improved the academic performance of the students and improved understanding and perception of the concepts learned in polyhouse-based education. Students are developing advanced practical skills in polyhouse operation, management, and maintenance, motivating them to start their own polyhouse-based business or pursue a career in agriculture and horticulture. Besides, after receiving training, students develop high employability potential, polyhouse training can prove to be a comprehensive means of employment for the hilly areas, where limited land and water resources are available. The skill would help stop the major problem of the state, which is migration. Vegetables grown in polyhouse show improved yield and quality and offer better market prices. It offers a

method to produce highly demanding vegetables in the off-season and helps to provide a lucrative price for the produce. During the training in the poly house of the college, the students are trained on various types of crops like organic tomatoes, radish, brinjal, broccoli, and potatoes. Broccoli produced in the polyhouse of the college was displayed in the Kotdwar exhibition before the chief minister of the state and received much appreciation.

Problems Encountered and Resources Required:

To protect the polyhouse from weather vagaries like landslides, forest fires, and monkeys.

Polyhouse





|| Nursery Technology And Vegetables ||







भक्त दर्शन राजकीय स्नातकोत्तर महाविद्यालय जयहरीखाल
(श्रीदेवसुमन उत्तराखण्ड विश्वविद्यालय, बादशाहीथौल, टिहरी गढ़वाल से सम्बद्ध)



राष्ट्रीय शिक्षा नीति 2020 (NEP 2020) के तहत

नर्सरी तकनीक एवं सब्जी उत्पादन
(Nursery Technology and Vegetable Production)

Add On Course

वनस्पति विज्ञान विभाग

2023-24

ई मेल : principal_lansdowne@radiffmail.com

वेबसाइट : www.gpgcjaiharikhal.ac.in

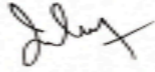
(5 मार्च 2024 तक आवेदन पत्र आमंत्रित किये जाते हैं।)

भक्त दर्शन राजकीय स्नातकोत्तर महाविद्यालय
जयहरीखाल (पौड़ी)

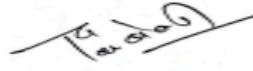
उद्देश्य

राष्ट्रीय शिक्षा नीति 2020 में कौशल विकास को महाविद्यालयी तथा विश्वविद्यालयी पाठ्यक्रम का विशेष अंग बनाया गया है। शिक्षा नीति के परिचय में ही यह स्पष्ट किया गया है कि रोजगार और वैश्विक पारिस्थितिकी में तीव्रगति से आ रहे परिवर्तनों की वजह से यह जरूरी हो गया है कि बच्चे सतत तथा नया सीखने की कला भी सीखें। नई शिक्षा नीति के भाग तीन के बिन्दु 20.3 में 'अन्य विचारणीय मुद्दे' के अन्तर्गत व्यावसायिक विकास की शिक्षा को समस्त उच्च शिक्षा का अभिन्न अंग बनाने के उद्देश्य से यह स्पष्ट किया गया है कि "कृषि शिक्षा और सम्बद्ध विषयों को पुनर्जीवित किया जायेगा। सामान्य शिक्षा के साथ जुड़ते कार्यक्रमों के माध्यम से कृषि और पशु चिकित्सा विज्ञान से जुड़े पेशेवरों की तैयारी में तेजी से वृद्धि की जायेगी। इस हेतु ऐसे व्यावसायिक व्यक्तियों के विकास के लिये प्रोत्साहित किया जायेगा, जो स्थानीय ज्ञान, पारंपरिक ज्ञान, और उमरती हुई तकनीकों को समझ सकें और इसके साथ महत्वपूर्ण मुद्दों जैसे भूमि की गिरती उत्पादन शक्ति, जलवायु परिवर्तन तथा हमारी बढ़ती आबादी के लिए पर्याप्त भोजन की आवश्यकता आदि को लेकर जागरूक हों।"

राष्ट्रीय शिक्षा नीति की उक्त बहुविषयक सोच के आलोक में उत्तराखण्ड की पारम्परिक कृषि ज्ञान को जीवंत रखने, भूमि की गुणवत्ता तथा भूमि के संसाधन से परिचय कराने, विद्यार्थियों में उत्तराखण्ड की घटती परम्परागत खेती के कारण, निवारण तथा मुख्यतः जंगली जानवरों से सुस्वात्मक विकल्पों की समझ विकसित करने, छात्र-छात्राओं को अपने घरों में अपनी दैनिक सब्जी की आवश्यकता को जैविक उत्पादन विधि से तैयार करने के लिए प्रेरित करने तथा उनमें व्यावसायिक सोच विकसित करने हेतु, वनस्पति विज्ञान विभाग, नर्सरी तकनीक एवं सब्जी उत्पादन (Nursery Technology and Vegetable Production) का यह अतिरिक्त पूरक पाठ्यक्रम (Add On Course) संचालित कर रहा है।




प्रधान
कृषि एवं पशु चिकित्सा
विभाग (सकवाले)



No. /2023-24

BHAKT DARSHAN GOVT. P.G. COLLEGE JAIHARIKHAL (GARHWAL)



Affiliated To

S.D.S. Uttarakhand University

CERTIFICATE IN NURSERY TECHNOLOGY & VEGETABLE PRODUCTION

EXAMINATION:2023-24

CERTIFICATE

This is to certify that

S/D/o

has passed the certificate in

nursery technology & vegetable production examination: 2023-24

under department of botany of this college held in may-2024 with the

following details-

THEORY	PRACTICAL	TOTAL	RESULT

(COURSE CO-ORDINATOR)

(IC OF THE DEPTT.)

(PRINCIPAL)

JAIHARIKHAL, 22 JUNE 2024

GRADE CODE: >75% A, >60% B, >40% C, <40% D, FAIL F

