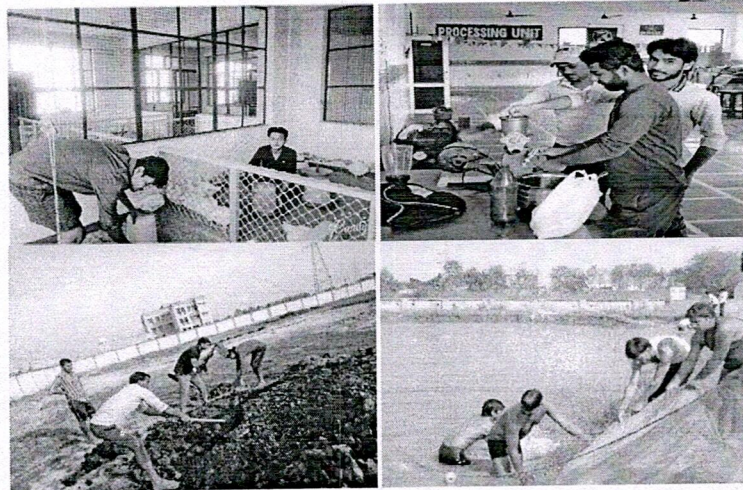


C-2

## Experiential Learning Programme (ELP)



**Sardar Vallabhbhai Patel University of Agriculture & Technology,  
Meerut- 250110**

## Experiential Learning Programme (ELP)

Experiential learning programme has been introduced at Bachelor degree with the specific objective of learning by hands-on participation and gradually narrowing the margin between failure and success. Work-based experiential learning through agriculture-related supervised experiences provide practical, real-world experiences in agriculture, develop a positive work ethic and meet realistic occupational expectations.

ICAR has sponsored a scheme on few experiential learning that involves setting up of instructional farms for production (crop, animal and fish) agronomy, model plants for food processing and value additions for product diversification. It inspires greater confidence, competitiveness and competence among students to meet needs of private sector and to undertake self-employment.


Total number of EL units-7, Number of ICAR sponsored EL units-2, Number of university sponsored EL-5


### ICAR Funded Units

Name of University/College/Department	Title of the unit
COA , AEFT	Model Agro- Processing System for horticultural Produce
COA, Entomology	Brackish Water Fish & Shrimp Farming

### Student under Experiential Learning Programme

S. No.	Year	Number of Students
1	2018-19	104
2	2019-20	102
3	2020-21	112
4	2021-22	116
5	2022-23	127
6	2023-24	106

  
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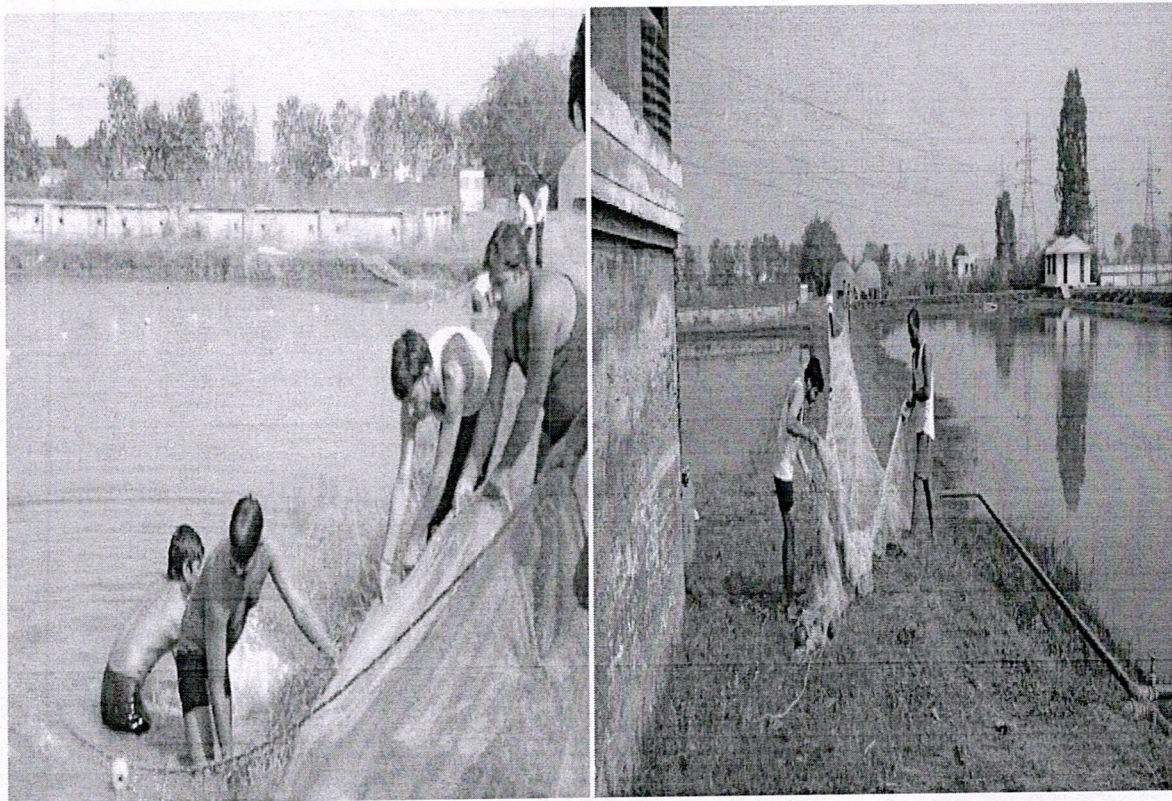
  
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# Fish & Aquaculture ELP- 433


Title	Fish & Aquaculture ELP-433
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**Fish culture, seed production, integrated fish farming and cutlet preparation**

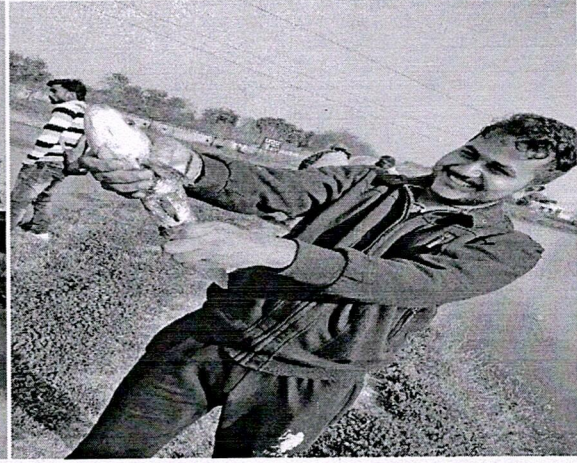
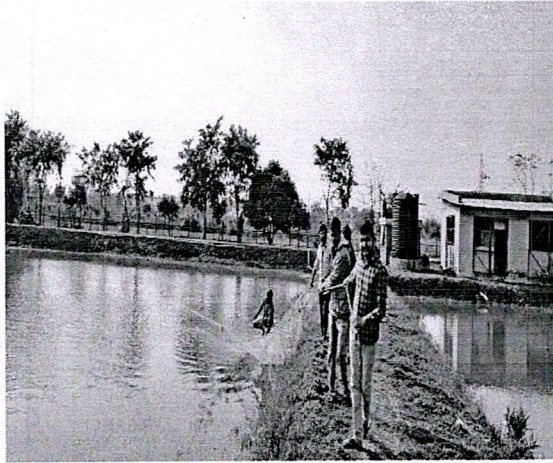
At fish and aquaculture unit composite fish culture, seed production and integrated fish farming is being performed by the final year students for skill development. Under composite fish culture six species i.e. 3 indigenous: Rohu(*Labeo rohita*), Catla(*Catla catla*), Nain(*Cirrhinus mirgna*) and 3 exotic species: common carp(*Cyprinus carpio*), grass carp(*Ctenopharyngodon idella*) and Silver carp(*Hypothalmichthys molitrix*) are being stocked in earthen ponds. Pre- stocking, stocking and post-stocking management practices are being taught to final year students for hand on training through learning by doing methods.



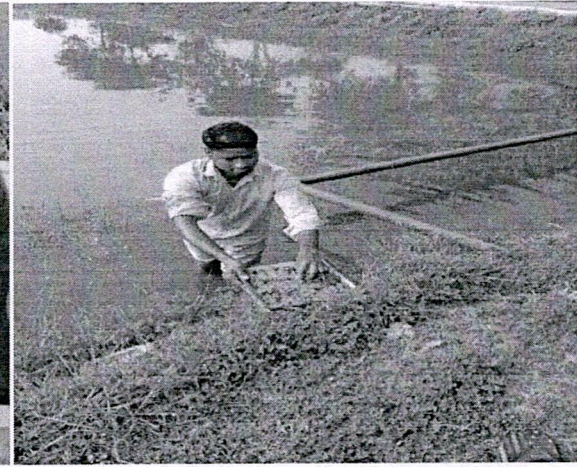
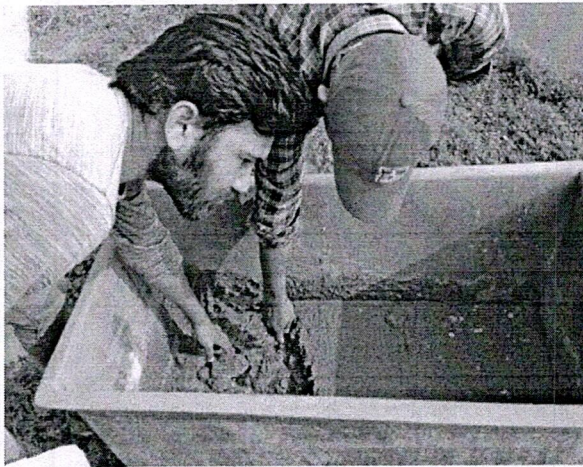
**Activities of Experiential Learning Students**

  
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Students are performing cleaning, Netting and identification of fish at Unit



Students are performing feed preparation and feeding to the fishes



Students are performing stocking and PH testing at Unit

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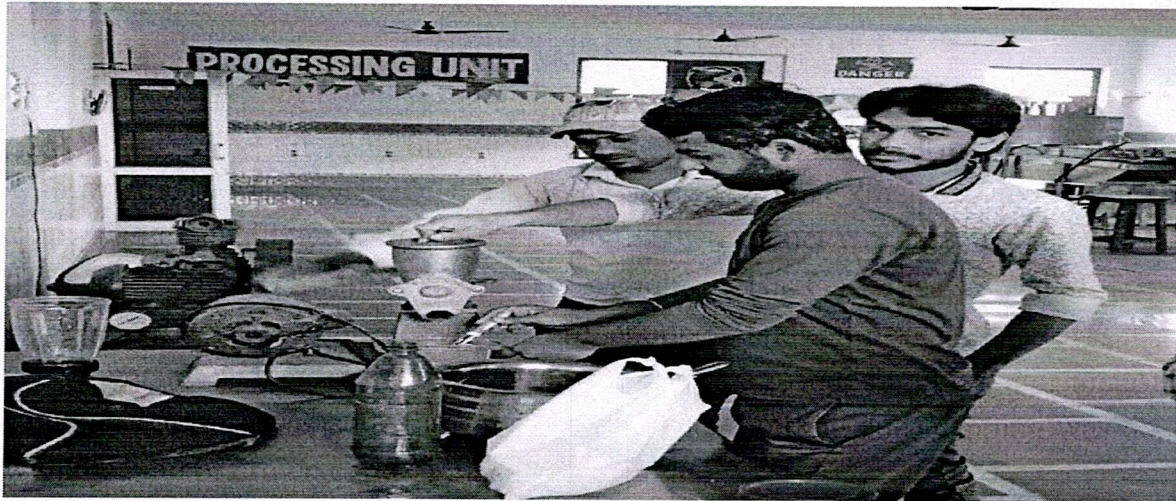
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# Food Processing ELP-429

Title	Food Processing ELP-429
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In the food processing unit the students were taught to make various products like kinoow squash. They made the kinoow squash from skrach by taking out the kinoow juice, making syrup and packiging of the product was also beingh done by the students. They also made garlic leaves chutney. The Garlic leaves were selected for preparation of chutney. They were chopped and proper amount of salts , condiments, water etc. were added and leaves were grinded. Potassium meta bi-sulphite (0.6 gm) was added as preservative. Then bottling and capping was done with the help of crown corking machine.



Activities of Students of Food Processing

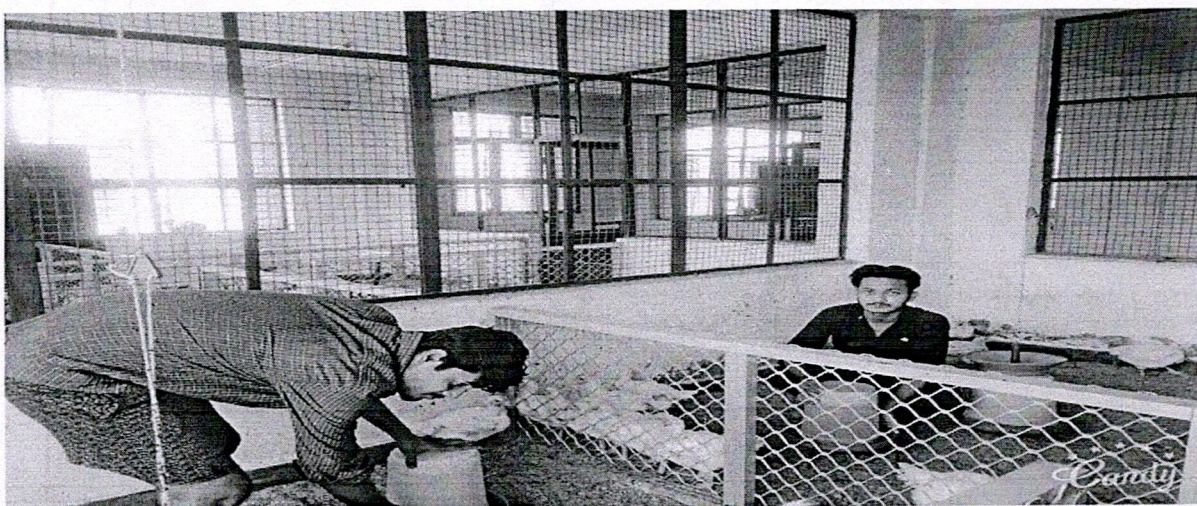
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# Poultry Production Technology ELP- 426

Title	Poultry Production Technology ELP- 426
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The students are being taught different housing regimes, Fumigation, Incubation, Brooding, Debeaking and sanitation, Hatching of eggs, Management of chicks, Management of pullets and growers, Management of layers, Management of broilers, Selection and culling, Feed and feed formulation, Prevention and control of diseases, Medication and vaccination, Biosecurity measures, Processing of broilers, Evaluation of egg for its quality and proper Record maintenance.



Activities of Experiential Learning Students of Poultry Production Unit

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# Organic Manure Production Technology ELP-431

Title	Organic Manure Production Technology ELP-431
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In this unit the various Principles of composting, Various methods of composting, Characterization and preparation of quality compost material are being taught to the ELP students. The students also studied about earthworms and methods of vermicomposting - Preparation of bio-compost, Enriched compost and ITK based biological preparations.



Activities of Experiential Learning Students of Organic Manure Production

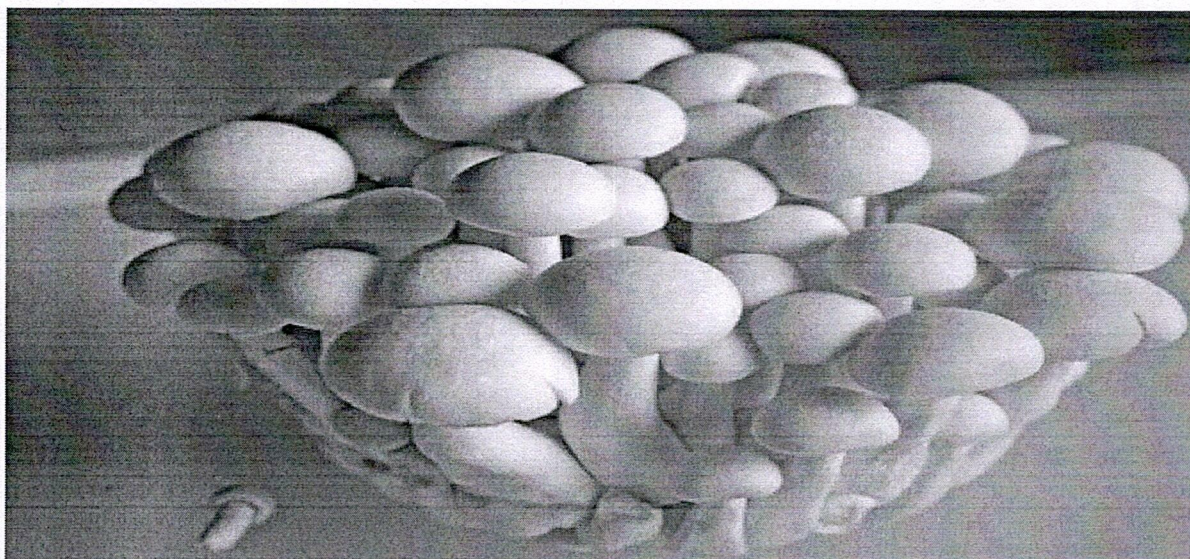
  
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## Mushroom Cultivation Technology ELP-423


<b>Title</b>	<b>Mushroom Cultivation Technology ELP-423</b>
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In this unit the students were taught the various aspects involved in the mushroom production like how to prepare the substrate for the mushroom production, how to prepare the bed for mushroom production and all the necessary management practices and precautions to be taken during the production of the mushroom.



**Activities of Students of Mushroom production Unit**

  
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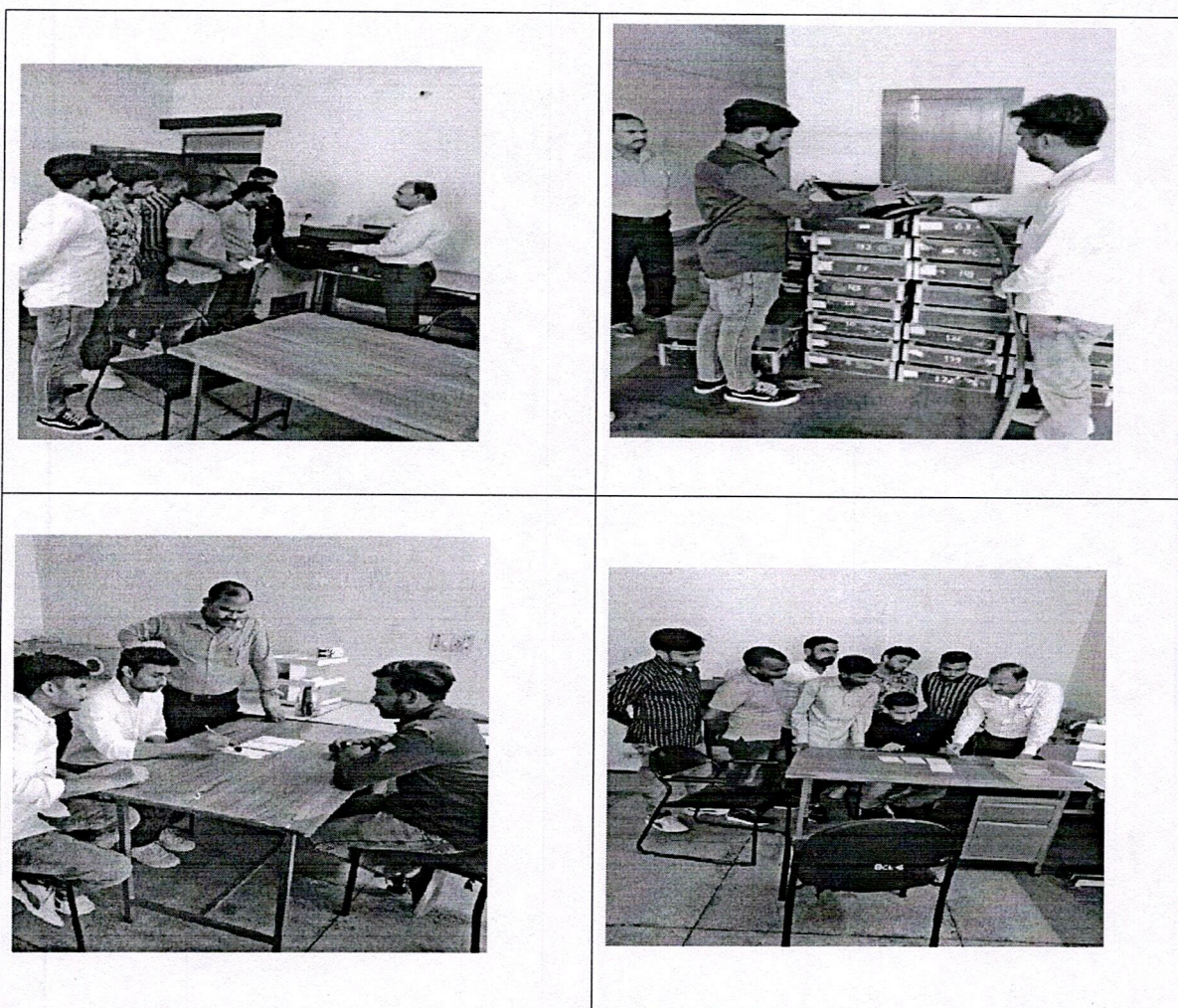
  
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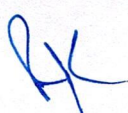
# Production Technology for Bio-Agents & Bio-Fertilizer ELP- 421


<b>Title</b>	<b>Production Technology for Bio-Agents &amp; Bio-Fertilizer ELP-421</b>
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In this unit the production bio-agents i.e. *Trichogramma sp.* is being taught to the students. The processes like how select the proper host for mass multiplication of *Trichogrammasp.*, the mass production host (*Corceracephalonica*), the preparation of feed material for the host was also taught. The students were also taught how make the tricho-card, how to use them and in which does this tricho-card must be used.



Activities of Students of Bio-agents production Unit


  
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Title	Commercial Horticulture (ELP-427)
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In this ELP programme they were taught the production and management of ornamental plants and turfgrass, as well as fruits and vegetables for profit. They were also taught integrated pest management and sustainable cultural practices.



  
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