



NOHEP



Chaudhary Charan Singh Haryana Agricultural University

Three Months Online Certificate Course on

"Food Processing"

21 December, 2021



**College of Agricultural Engineering & Technology,
CCS Haryana Agricultural University,
Hisar - 125004 (Haryana)**

About Us

The Haryana Agricultural University was established on February 2, 1970, as a result of bifurcation of the erstwhile Punjab Agricultural University. From 31st October, 1991, it has been renamed as "Chaudhary Charan Singh Haryana Agricultural University". The mandate of the university is to produce high quality human resource through multi-disciplinary approach to serve the nation in the areas of agricultural and allied fields. Our faculty and senior team travels all over the globe to learn and imbibe the best practices so that we can give a solid foundation for learning. Our research programmes range across all disciplines of agricultural sciences, basic sciences, home/community sciences, engineering & technology and we are national leaders in agriculture extension, technology transfer, varietal development, incubation and entrepreneurs and integrated farming system.

The Department of Processing & Food Engineering, a constituent department of College of Agricultural Engineering and Technology was established in March 1996. The Department deals with undergraduate and postgraduate teaching, research and extension activities. The innovations in the field of Food Processing are vital for agro-processing, transforming the raw materials to the finished products at an increased rate of production, productivity and at a reduced cost of production and to meet the demands as well. Food Processing deals with all aspects of the unit operations involved in processing the raw materials to the finished products, their packaging and safe storage too.

About IDP-NAHEP

National Agricultural Higher Education Project (NAHEP) has been formulated by ICAR with a total cost of US\$ 165 million (Approx. Rs 1100 crores). The project is proposed on 50:50 cost sharing basis between the World Bank and the Government of India, implemented by Project Implementation Unit - National Agricultural Higher Education Project (PIU-NAHEP), ICAR, New Delhi. CCS HAU, Hisar has been awarded the ICAR-NAHEP project entitled "Strengthening Institutional Capacity to Produce Skilled Professional for Market Driven Agriculture" funded by World Bank and Government of India with worth of Rs 24.83 crores in F.Y. 2017-18 with an aim to improve the quality and relevance of agricultural higher education at CCS Haryana Agricultural University

Significance of this course

As the country progresses, the use of processed and packaged products increases considerably. Packaged products create confidence in consumers with respect to quality, quantity, safety and protection. Despite several schemes started by the government for encouraging startups in food processing, the startups were not able to capitalize to the desired extent due to lack of basic knowledge, required skill and guidance. There is a vital need for the skill development along with basic knowledge of food processing. Processing and value addition is one of the ways to increase the income of small scale entrepreneurs and farmers. Increased productivity and processing will help to feed the poor, enhance farm income and provide opportunities for both direct and indirect employment.

The university has the expertise to develop skill in post-harvest processing and value addition, quality assurance and packaging of different agricultural products. This certificate course aims to create awareness with technical guidance for processing and value addition of agricultural products by applying the scientific, technical and entrepreneurship skills in the interest of farming community. The certificate course has been conceptualized to investigate the opportunities for effective utilization of agricultural produce and use imparted agro processing skill in development of value added food products.

Skills to be imparted

The course curriculum will be largely based on the skill development of the participants along with the basic and fundamental of food processing.

- Introduction to post-harvest technology
- Pre-processing operations for preparing the raw agro produce for further processing
- Drying and dehydration for shelf life enhancement of durable, perishable and semi perishable agro produce
- Storage of processed and raw material
- Milling of cereals, pulses and oilseeds
- Packaging of raw and processed products
- Material handling inside the food plant
- Seed Processing of cereals, pulses and oilseeds
- Valorization of agricultural waste and by-products utilization of processing industry
- Principles of value addition and food safety guidelines for food processing
- Field trips/exposure visits to important processing industries/laboratories, processing facilities related to food located in Haryana and nearby states.

Objectives of Course

- Utilization of the agro produces for processing and value addition for food security and income generation.
- To reduce post-harvest losses in fresh produce during storage, processing and preservation.
- To identify entrepreneur opportunities in the field of post-harvest engineering and technology.

Registration

Duration: Three months

Total number of seats: 20

Eligibility for participation: 10+2

Course fees: Rs. 100 for CCS HAU students and
Rs20,000 for candidate outside of CCS HAU

Selection criterion: First come first serve basis

Fill the form with the following link:

https://docs.google.com/forms/d/e/1FAIpQLScAY3Jm_Jd-X2wDNsHPLtotADEcbJvPjhgPCKEXof3N9IYqTA/viewform?usp=pp_url

- The selected candidates will be intimated through email.
- Whatsapp group of the selected participants will be created to share necessary information.
- The training will be held online through Google Meet video conferencing platform. Selected candidates are expected to ensure access to good internet connectivity on their own.
- Certificate will be provided only after successfully attending all the lectures.
- Classes will be held during the evening hours.

For Queries: Contact

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Patron



Prof. B. R. Kamboj
Honorable Vice Chancellor

Co-Patron



Dr. Devender Singh
Director of Student Welfare cum PI (IDP-NAHEP)

Convener



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Dean, COAE&T

Co-Convener

Dr. Ravi Gupta, Prof & HOD, PFE
Dr. Vijaya Rani, Nodal Officer (IDP-NAHEP),
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Dr. Anil Panghal, Asstt. Scientist, PFE
Er. Sunil Kumar, Asstt. Scientist, PFE
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