



National Agriculture Higher Education Project
Centre of Excellence : Digital Farming Solutions for Enhancing Productivity by
Robots, Drones and AGV's (DFSRDA)

Vaswantrao Naik Marathwada Krishi Vidyapeeth, Parbhani (M.S.) INDIA

Two Week Online Certificate Course

on

“FOOD PROCESSING & AUTOMATION”

Organised in collaboration with

Chamber for Advancement of Small & Medium Businesses (CASMB), Mumbai

& NAHEP-CAAST DFSRDA, VNMKV, Parbhani

02nd to 14th August, 2021



About University

The Marathwada Krishi Vidyapeeth (Presently renamed as Vasantrya Naik Marathwada Krishi Vidyapeeth) established in 1972 on Land Grant pattern at Parbhani to fulfill the regional aspirations of fields, undertake research and facilitate technology transfer in marathwada region of Maharashtra.

Vasantrya Naik Marathwada Krishi Vidyapeeth (VNMKV) Parbhani, is one of the prestigious agricultural universities in India. Since its inception, it has gained recognition as an innovative organization in the term of education and research in agriculture. It takes care of research and facilitates agriculture technology transfer in marathwada region of Maharashtra .

About Project & Course Background :

The Centre of excellence for Digital Farming solutions for Enhancing Productivity by Robots, Drones and AGV's (DFSRDA) Under Center for Advanced Agricultural Science and Technology (CAAST) is being implemented in Vasantrya Naik Marathwada Krishi Vidyapeeth, Parbhani, Maharashtra under world bank Sponsored National Agricultural Higher Education Project (NAHEP) of Indian Council of Agricultural Research (ICAR), New Delhi, Government of India, Since 2019. The main objective of this center is to train PG/PhD students and faculties about advances in science and technology. The project is proposed on 50:50 cost sharing basis between the World Bank and the Government of India, implemented at VNMKV, Parbhani. India's food ecosystem offers huge opportunities for investments with stimulating growth in the food retail sector, favorable economic policies and attractive fiscal incentives. The food & grocery market in India is the sixth largest in the world. Food & grocery retail market in India further constitutes almost 65% of the total retail market in India. Food Processing includes process under which any raw product of agriculture, dairy, animal husbandry, meat, poultry or fishing is transformed through a process (involving employees, power, machines or money) in such a way that its original physical properties undergo a change and the transformed product has commercial value and is suitable for human and animal consumption. An introduction of high-tech food processes such as automation in food materials harvesting, handling, processing, packaging, storage, transportation and

distribution to increase the quality, yield, diversity of products and also to enhance their shelf life.

As a part of this project, Centre of excellence for Digital Farming solutions for Enhancing Productivity by Robots, Drones and AGV's (DFSRDA), VNMKV, Parbhani is organizing Two Week Online Certificate Course on "FOOD PROCESSING & AUTOMATION"

Objectives

1. Provide knowledge of advanced food processing automation technologies.
2. Impart knowledge about the global food processing scenario and value addition in food processing industries.
3. Generate understanding about global food safety and quality standards.
4. Expose the participants for advanced processing, packaging methods, marketing strategies and export systems.
5. Encourage the participants for establishing processing units.

Contents

- Industry 4.0
- Enhance food quality, operational productivity and compliance
- IoT in food trade& retail management
- Inventory Management
- Supply chain management, Traceability and product recall
- Design and implementation of Industry 4.0 solutions in traditional factory settings
- R&D innovation in food processing
- Food traceability solution and block chain management
- Certification and accreditation essential
- Food safety and quality management
- Packaging Technology
- Quality Assurance
- HACCP/ISO/Auditing Procedures
- Fruits & Vegetable Processing
- Standard Operating
- Regulatory Compliances
- Marketing, Sales & Branding
- 3D Food Printing

Methodology for conduct of course:

Pre and Post Evaluation:

Pre and post certificate course evaluation will be carried out to evaluate the impact of the certificate course.

Conduct of the Certificate course:

The certificate course will consist of online lectures-cum-discussions, demonstrations, tutorials, case studies, experience sharing from progressive farmers; PG, Ph.D. Scholar, Food entrepreneurs in relation to value addition through food processing and automation technologies .

Evaluation :

There will be evaluation of the candidates at the end of the each week, and final evaluation towards the end of the course. The evaluation will be in the form of MCQs, descriptive questions and power point presentation, as the case may be.

Feedback:

Candidates need to provide the feedback towards the end of certificate course.

Target Audience

PG, Ph.D. Students, Faculties, Scientists of Vasantrya Naik Marathwada Krishi Vidyapeeth, Parbhani and other Universities, in the area of Food processing, Horticulture, Processing & Food Engg., Food Technology, Agricultural Processing Engg. Agriculture Engineering., Home Science & allied relevant etc. Departments are eligible to register and are requested to take advantage of the two week online certificate course on food processing automation.

About Selection

- 1) The Whatsapp Group of the selected candidates will be formed at least one day before the start of the E-course and the communications regarding the E-course will be posted in the group.
- 2) Alternatively Candidates can keep accessing the CAAST-VNMKV website (<https://nahep.vnmkv.org.in>) regarding the selection, preferable on the day before the start of the seminar.
- 3) Lead lectures through online platform will be conducted along with online interaction. The link, ID and password for joining the online session will be communicated through Whatsapp group of the selected candidates 30 minutes before the start of the session.
- 4) Certificates will be issued to those participants only who will complete all online session and assignments.

Registration

Duration of E-course:

02nd to 14th August, 2021 (Two Weeks)

Registration Fee (Non Refundable):

Course Fee:

Rs. 1000/- for All Participants.

International Participant 15 USD

Account Details :

Account Name : Comptroller, Vasantrya Naik Marathwada Krishi Vidyapeeth, Parbhani
Account Number : 38639565001
Bank Branch : State Bank of India,
Branch: MKV, Parbhani (MS) India.
IFSC Code : SBIN0020317
MICR Code : 431002203

SCAN & PAY



Important Dates:

Interested participants can register on below mentioned link, for the online registration is, https://docs.google.com/forms/d/e/1FAIpQLSeb_PZLbVEzy7qrgZ0JPDnTjvjrTrA9tBpe7uHB5sdWQDhIOQ/viewform

or use QR code provided here.



Last date of registration : July 30, 2021

Confirmation of admission to the candidates: July 31, 2021

Course Language: English

Two Week Online Certificate Course
on
“FOOD PROCESSING & AUTOMATION”

02nd to 14th August, 2021

Patrons



Dr. A. S. Dhawan
Vice-Chancellor
VNMKV, Parbhani



Dr. R. C. Agrawal
National Director
NAHEP, ICAR, New Delhi

Chief Convenors



Dr. D. N. Gokhale
DI & Dean F/A
VNMKV, Parbhani



Dr. Prabhat Kumar
National Co-ordinator
NAHEP, ICAR, New Delhi

Convenor



Dr. G.U. Shinde
Principal Investigator
NAHEP-CAAST-DFSRDA
VNMKV, Parbhani



Mr. Nilesh Lele
President,
CASMB, Mumbai

Organizing Secretary



Dr. A. S. Kakade
SRF (FPA), NAHEP,
VNMKV, Parbhani
M. 8087520720



Mr. Umesh Kamble
Secretary General,
CASMB, Mumbai
M. 9619190563

Co-Organizing Secretary



Dr. H. N. Rokade
SRF (SSPN), NAHEP,
VNMKV, Parbhani
M. 9881775095

Training Coordinator

Er. Chetan Eske
JRF (FPA), NAHEP,
VNMKV, Parbhani
M. 9479950299

Er. A. R. Deshmukh
JE (Elec.), NAHEP,
VNMKV, Parbhani
M. 8983033489