

Report on

Online Hands-on Training in Processing and Food Engineering

May 01-15, 2020

Organized by

Department of Processing and Food Engineering,
College of Agricultural Engineering and Technology,
Junagadh Agricultural University,
Junagadh – 362001

The Hands on Training in Processing and Food Engineering at Department of PFE, CAET, JAU, Junagadh was organized during May 01-15, 2020. Under the guidance of Dr. M. N. Dabhi, Head of the Department, Prof. Jani & Prof. Devani, Assistant Professor have successfully conducted whole training as Training In-charge. The training beneficiaries belong to the 8th Semester, B. Tech. (Agri. Engg). 42 students have undergone online Hands-on Training in PFE during these 15 days programme. The training was scheduled for 2 hours a day having an hour session in forenoon and afternoon using WhatApp as platform to share the information and exchange the content/virtual practical. In the forenoon session, the students were given virtual practical training and explained working of processing machineries/equipment available in the departments like Spray Dryer (Milk drying), Continuous Microwave Dryer (Coriander leaf drying), Homogenizer (Coconut oil-Water emulsion), etc. The industrial/commercial application of the same and related machines/equipment were also shown using videos/animation. Also, the students were taken to the virtual tour of Mango Canning Plant and Pilot Scale Pulse Processing Plant located in Department and University campus, under the CAET. All this exchange of knowledge/content was done using the easiest medium i.e. WhatsApp. The students were assigned a Quiz for each day using Google Classroom as their forenoon attendance. The Quiz was prepared from the session they have gone through in forenoon session. They have been assigned a task to create their own video explaining what they have learnt in the forenoon session and submit in the Google Classroom as afternoon attendance. A special assignment was given to all the students to prepare value added products at their place using available resources and explain the engineering aspects followed by creating the live video/PPT and submitting on Google Classroom. The students prepared processing videos of TutiFruti from watermelon part, Sapota beverage, potato chips and many more stuffs and submitted online.

8th Semester, B. Tech. (Agril. Engg.)
AE-404

Stream **Classwork** People Grades

+ Create Google

All topics

- Wheat Milling Indus...
- Virtual visit of Grou...
- Special Task Assign...
- Pulse Milling Plant
- Canning Plant Virtu...
- Food Processing in...
- Homogenization
- Size reduction equip...
- Continuous Microw...
- Spray Drying

Wheat Milling Industry Virtual Visit

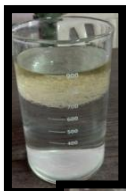
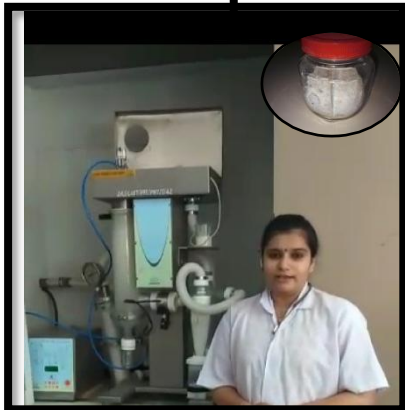
- Attendance by Video. 14/05/2020
- Have you attended training today in first se... 14/05/2020

Virtual visit of Groundnut processi

- Attendance by Video. 13/05/2020
- Have you attended training today in first se... 13/05/2020

Special Task Assignment

- Special Task assignment (by 14/05/2020). Special Assignme... Due 7:00 PM



Virtual Tour of.....

Mango Canning Plant, JAU, Junagadh

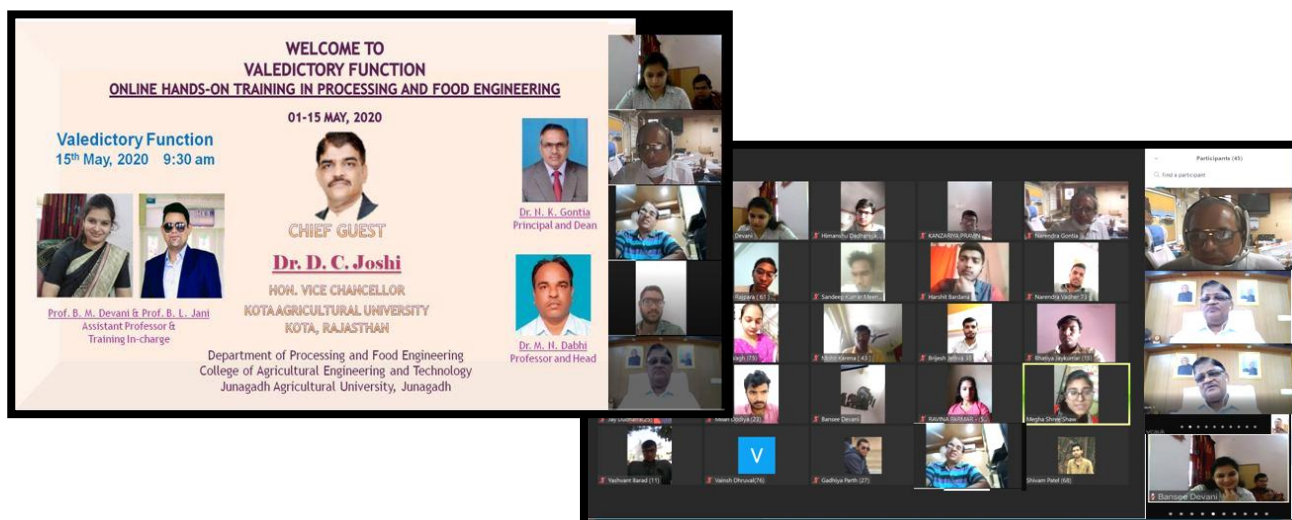
Vanraj
Pulse Processing Plant Ltd.

SHREE BHAGWATI ENTERPRISE

Pilot Scale Pulse Processing Plant, JAU, Junagadh

The students were taken to the virtual tour outside the campus using Zoom Platform. All 42 students, virtually visited Shree Bhagwati Enterprise (Processor & Leading Exporter of Groundnut and other Agril. commodities) and Vanraj Besan Mills Pvt. Ltd. (Leading Manufacturer and Exporter of Wheat and Chickpea Flour) and got exposure of the primary and secondary processing and respective machineries at these units. Also, the students actively participated in the discussion with the Managing Directors of the unit and deliberated interestingly.

The virtual valedictory function was organized on May 15, 2020 at 09.30 am using Zoom Platform. The function was chaired by Dr. N. K. Gontia, Principal and Dean, CAET, JAU and Co-Chaired by Dr. M. N. Dabhi, Professor and Head, Department of PFE, CAET. The function was graced by Dr. D. C. Joshi, Hon'ble Vice Chancellor, Kota Agricultural University, Kota, Rajasthan as Chief Guest. Prof. B. M. Devani and Prof. B. L. Jani, Assistant Professor and In-charge, Hands-on Training, Department of PFE started the Live Valedictory Function.



Onset of function, Dr. M. N. Dabhi warmly welcomed everyone by words. Prof. B. M. Devani briefed the 15 days training programme using screen sharing and glimpses were presented. Two students among the beneficiaries, Ms. Meghashree Saw and Mr. Brijesh Jethva shared their feedback regarding the training. Dr. N. K. Gontia addressed with their presidential speech. Dr. D. C. Joshi, Hon'ble Vice Chancellor, Kota Agricultural University, Kota, Rajasthan and Chief Guest of the function blessed and inspired the students by his expertise on the subject and motivated them to go for higher studies/industry to cater the real life experience. Sir also highlighted the opportunities for young buddies as entrepreneurs in the Food Sector and inspired to be job givers rather than job seekers. Dr. Joshi very happily noted that “This is probably the first ever Hands-on Training given online in India and will be a benchmark.” The students also took part in the discussion with Dr. D. C. Joshi. At the end, Prof. B. L. Jani, proposed vote of thanks and all got dispersed with greetings of Stay Active – Stay Safe - Stay Home.