

BOARDING AND LODGING:

Accommodation in campus premises will be made available on request.

ADDRESS FOR CORRESPONDANCE:

NAU-CAAST Nodal Office,
Directorate of Research
Navsari Agricultural University, Navsari - 396450

ORGANIZERS

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Dr. S. R. Chaudhary

Director of Research and Dean PG Studies
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Course Co-Director

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Training Programme
on
"Climate Resilient Dairy Farming
under the epoch of Precision Farming Tools"
August 28-30, 2019



NAVSARI AGRICULTURAL UNIVERSITY

REGISTRATION FORM

*Affix Self Attested
Recent Passport size
Photograph

Full Name (In Block letters)

Father's Name:

Date of Birth: / / (DD/MM/YYYY)

Gender : Male / Female

Social Category: (✓) (General /OBC /SC /ST)

*Educational Qualification: _____

*CGPA in Graduation: (Attach proof)

*CGPA in Post Graduation: (Attach proof)

Communication Address

Current: _____

City: _____ State: _____

Pin code: _____

Permanent address*: _____

City : _____ State : _____

Pin code : _____

*Contact No: (Mo.) _____

*E-mail: _____

*Accommodation required: Yes/No _____

Date :

Place :

Signature

Note : Scanned copy of the registration form may be mailed in advance to skillnaucaast@gmail.com

*Mandatory field & attach proof

NAHEP



NAVSARI AGRICULTURAL UNIVERSITY

Training Programme

on

"Climate Resilient Dairy Farming
under the epoch of Precision Farming Tools"

August 28-30, 2019

Sponsored By

Indian Council of Agricultural Research
under

National Agricultural Higher Education Project (NAHEP)



ORGANIZED BY

Centre for Advanced Agricultural Science and Technology
(CAAST) : Secondary Agriculture
Directorate of Research
Navsari Agricultural University
Navsari-Gujarat (INDIA)
www.nau.in

Venue:

Navsari Agricultural University
Navsari, Gujarat-396 450

NAHEP-CAAST

Centre for Advanced Agricultural Science and Technology (CAAST) is a new initiative and student centric sub-component of World Bank sponsored National Agricultural Higher Education Project (NAHEP) implemented by the Education Division, Indian Council of Agricultural Research in India. The Navsari Agricultural University, Navsari, Gujarat was granted a CAAST project on “Establishment of Secondary Agriculture Unit for Skill Development in Students and Farmers”.

BACKGROUND

In the harsh and unproductive environments, livestock rearing goes beyond the purpose of mere milk production. Resilient capacity of an animal refers to the ability of an animal to recover its normal biological functions after the exposure to the adverse stressful condition. Increase in global temperature threatens to affect cattle-derived food production. Therefore, to maintain the quantity and quality of milk and milk products in the event of increase in global temperature role of precision dairy farming tools is of paramount importance. Precision dairy farming tools are used to measure physiological, behavioral and production indicators on individual animals to improve management strategies and physical resource variability to optimize economic, social benefits and minimize environmental impact. It applies sensors and information technology in dairy farming to identify individual animals, daily milk yield, milk components, step number, temperature, automatic estrus-detection and daily body weight & body condition score recording, disease and discomfort, etc. Some of these technologies already in vogue and in the future such technologies may change the way dairy herds are managed worldwide.

Hence, CAAST-NAU is organizing a 3 days training programme on “Climate Resilient Dairy Farming under the Epoch of Precision Farming Tools” at NAU, Navsari during August 28-30, 2019.

OBJECTIVES

- To learn about practices and technologies for climate resilient dairy farming.
- To learn about status and scope of precision dairy farming in world and India.
- To provide insights on advances in livestock waste disposal and value addition for profit maximization and environmental safety.

- To provide hands on training to participants in different aspects of precision in heat stress assessment in dairy animals.
- To learn about future of artificial intelligence in dairy farming
- To provide hands on training to participants in vermicomposting

COURSE CONTENT

Concept of precision dairy farming is basically an interdisciplinary field incorporating concepts of informatics, biostatistics, ethology, economics, animal breeding, animal husbandry, animal nutrition, housing, and engineering which ultimately results in better productivity and enhances the resilience of animals to combat unfavorable environmental conditions. This training will broadly cover diverse topics *viz.*

- Practices and technologies for climate resilient dairy farming
- Future of artificial intelligence in dairy farming
- Tools and techniques for assessing heat stress in dairy cattle
- Advances in livestock waste disposal and value addition
- Application of animal behaviour concept for optimum productivity, health and welfare of dairy cow

DURATION

This is a 3 days residential training program which includes interactive lectures, demonstrations and exposure visits.

ELIGIBILITY

Postgraduate students from Agriculture / Forestry / Veterinary Sciences / Horticulture faculties of Navsari Agricultural University are eligible for this course. Currently enrolled students have to submit a NOC from their Major Advisor along with the registration form which would be available in the circular section of www.nau.in. The candidate should have scored at least 60% marks in any of the above degrees. There are 25 seats available in this course which will be distributed as under:

A. Currently enrolled PG students of NAU	15
B. Former PG students of NAU and other SAUs	10

If seats remain vacant in category A, they would be filled from category B and vice versa

REGISTRATION FEES

There is no registration fee for this course. This training course is fully funded by NAHEP-CAAST.

HOW TO APPLY

Interested candidates can register by submitting the duly filled and signed “Registration Form along with the NOC only through post or by hand in a sealed cover. “Application for Participation in training programme on “Climate Resilient Dairy Farming under the Epoch of Precision Farming Tools” should be mentioned on the cover. Alternatively, the application can also be mailed at skillnaucaast@gmail.com

IMPORTANT DATES

Last date for registration : August 22, 2019

Date for displaying eligibility list : August 23, 2019

ABOUT INSTITUTE

The Navsari Agricultural University campus is located 3 km away from the Navsari City in the West direction. The Campus houses various graduates and post graduates colleges in faculties of Agriculture / Forestry / Veterinary Sciences / Horticulture / Agribusiness Management. NAU has made remarkable growth in its tripartite activities i.e. Education, Research and Extension Education and simultaneously also made tremendous growth in infrastructure and Human Resource Development since its inception. The University has a strong research base through its 25 research stations at 15 different location of South Gujarat. Further, NAU involved in transfer of the new agricultural technology in the farmers field through five Krushi Vigyan Kendras. This University also arranges short duration certificate courses on Bakery, Agricultural Extension Services for Input dealers, Landscaping and Gardening, Nature and Wild life photography, Turf grass management and Agro ITI for enhancing the skill in rural youths.

ABOUT NAVSARI

Navsari is district place in Gujarat and easily approachable by road, rail and air from all major cities of India. It is just 38 km away from Surat, a major industrial corridor connected by road and railways. The nearest airport is Surat which is 40 km to the North of Navsari. The 400 km long Salt March taken up by Mahatma Gandhi in 1930 culminated at Dandi a coastal village 13 km to the West of Navsari where National Salt Satyagraha Memorial at Dandi located.