

### How to Apply:

The interested candidates should **apply only online** using following Google form link <https://docs.google.com/forms/d/e/1FAIpQLSc1amm4zorRf43EZj7VF44GYWaa07HTLCH1EqYlpCR9AEplQoA/viewform> OR scan this QR code which leads to same Google form.



### Important Dates:

Last Dates for	June 2024 batch	July 2024 batch	August 2024 batch
Application submission	01-05-2024	01-06-2024	01-07-2024
Intimation to shortlisted candidates	04-05-2024	04-06-2024	04-07-2024
Payment of fee and uploading payment details	07-05-2024	07-06-2024	07-07-2024
Intimation to final selected candidates after payment of training fee	10-05-2024	10-06-2024	10-07-2024

The selected candidates will be informed by email and / or SMS / Whatsapp message. **A total of 12 seats per batch are available.**

### Fee payment:

Applicants are required to pay a **non-refundable** fee amount of **₹ 13,570/-** (₹ 11,500 + 18% GST) upon selection to "ICAR – Unit NDRI Karnal"; State Bank of India, (NDRI, Karnal Branch); Account No: 65270548352; IFSC Code: SBIN0050326

### Boarding and Lodging

Expenses on lodging and boarding as well as its arrangement will be borne by the trainees. The institute will not assure availability of boarding and lodging.

### Address for correspondence:

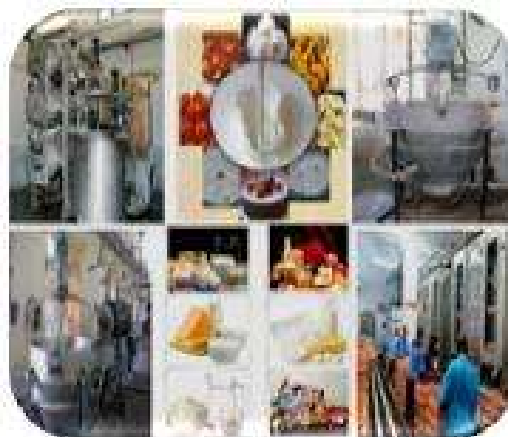
#### Er. Ankit Deep

Scientist (Sr. Scale)  
Dairy Engineering Division  
ICAR-NDRI, Karnal, Haryana  
☎ +91 184 2259274  
☎ +91 9662222767  
✉ [ankit.deep@gmail.com](mailto:ankit.deep@gmail.com)

#### Dr. P. Barnwal

Head  
Dairy Engineering Division  
ICAR-NDRI, Karnal, Haryana  
☎ +91 184 2259419  
☎ +91 8397833349  
✉ [pbndril@gmail.com](mailto:pbndril@gmail.com)

## ANNOUNCEMENT CUM INFORMATION BROCHURE



### Hands on training programme in Dairy Engineering

**Duration: One month / four weeks**  
**Three batches: June, July, August 2024**



Organized by and at  
**Dairy Engineering Division**  
**ICAR-National Dairy Research Institute**  
(Deemed University)  
Karnal (Haryana) – 132001



### CHIEF PATRON

**Dr. Dheer Singh**

*Director and Vice Chancellor, ICAR-NDRI, Karnal*

### PATRON

**Dr. Rajan Sharma**

*Joint Director (Research), ICAR-NDRI, Karnal*

### TRAINING PROGRAMME DIRECTOR

**Dr. P. Barnwal**

*Head, Dairy Engineering Division, ICAR-NDRI, Karnal*

### TRAINING PROGRAMME CO-ORDINATOR

**Er. Ankit Deep**

*Scientist (Senior Scale), Dairy Engineering Division,  
ICAR-NDRI, Karnal*

### About the training programme:

This training programme is offered for catering to specific training needs of students of other universities / institutes and to provide an exposure to selected specific topics tailored to needs of the student trainees. This training programme will be helpful for updating knowledge / skill of students with hands on experience in various dairy and food processing equipment, processing and value addition which will ultimately beneficial to them.

### Course Contents

A brief outlines of course content would include the following topics:

- Hands on experience on Mechanised Dairy Processing Equipment.
  - Introduction to CNC Machining.
  - Hands on experience on Applied Instrumentation.
  - Hands on experience on Computer Aided Designing.
  - Exposure to refrigeration, boilers and effluent treatment plant of commercial dairy plant.
  - Exposure to Research & Development Workshop.
  - Measurement of frictional properties of selected granular materials.
  - Determination of viscosity of selected dairy products.
- Course content would also have flexibility regarding some topics that could be included on student's interest basis subject to availability of resource person.

### Eligibility:

The training is open for students of SAU's, ICAR Institutes and Central Universities (including affiliated colleges) pursuing UG/PG degree programme in Dairy Science, Agriculture Engineering, Food Engineering, Food Science and Technology, or any other related disciplines.

### Weather at Karnal:

In June month, Karnal generally has very high temperatures and moderate rainfall. Daytime temperatures hover around 39°C, while nights can cool down to about 28°C. In July, Anticipate daytime temperatures around 35°C, while night temperatures can drop to 27°C. In August, throughout the day, temperatures typically settle at around 34°C with high humidity. But by evening, it drops to around 27°C.