

DAIRY TECHNOLOGY • SKILL DEVELOPMENT



NTHRYS
OPC PVT LTD



Dairy Products Manufacturing Training Programs

A complete catalogue of hands-on production training
modules — from market milk to value-added dairy.

75
PROGRAMS

8
CATEGORIES

2026
EDITION

Program Categories at a Glance

This catalogue lists every dairy product covered by our training programs, organised into 8 technology streams. Each program carries a unique **product code** for easy reference, enrolment and certification.

HOW TO READ A CODE

NDP – **LM** – **01**

NDP Nthrys Dairy Program

LM Category stream

01 Program number

STREAM	CATEGORY	FOCUS	COUNT
NDP-LM	Liquid Milk Products	Receiving, processing & packaging of market milk	12
NDP-FP	Fermented & Cultured Products	Culture handling, fermentation & quality control	13
NDP-FB	Fat-Rich Products	Cream separation, churning & clarification	9
NDP-CD	Concentrated & Dehydrated Products	Evaporation, drying & powder technology	10
NDP-CH	Cheese & Coagulated Products	Acid & rennet coagulation, ripening	8
NDP-FR	Frozen Dairy Products	Mix preparation, ageing & freezing	5
NDP-SW	Indian Milk Sweets	Khoa & chhana based confectionery	12
NDP-BY	Value-Added & By-Products	Utilisation of whey & milk proteins	6
Total training programs			75

01

CATEGORY • NDP-LM

Liquid Milk Products

Receiving, processing & packaging of market milk

12

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NDP-LM-01	Pasteurized Milk	LTLT / HTST heat treatment for safe drinking milk.
NDP-LM-02	Homogenized Milk	Fat globule reduction for uniform, non-creaming milk.
NDP-LM-03	Toned Milk	Standardised to ~3.0% fat, 8.5% SNF using SMP.
NDP-LM-04	Double Toned Milk	Low-fat milk standardised to ~1.5% fat.
NDP-LM-05	Standardized Milk	Fat & SNF adjusted to fixed legal standards.
NDP-LM-06	Full Cream Milk	High-fat (6.0%) rich market milk.
NDP-LM-07	Skimmed Milk	Fat removed (<0.5%) low-calorie milk.
NDP-LM-08	Flavoured Milk	Sweetened milk with cocoa, fruit or nut flavours.
NDP-LM-09	UHT Milk	Ultra-high-temperature aseptic long-life milk.
NDP-LM-10	Sterilized Milk	In-bottle sterilised shelf-stable milk.
NDP-LM-11	Fortified Milk	Vitamin A & D / mineral enriched milk.
NDP-LM-12	Recombined Milk	Reconstituted from milk powder, fat & water.

02

CATEGORY • NDP-FP

Fermented & Cultured Products

Culture handling, fermentation & quality control

13

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NDP-FP-01	Curd / Dahi	Lactic fermentation of milk into set curd.
NDP-FP-02	Set Yogurt	Incubated-in-cup firm yogurt.
NDP-FP-03	Stirred Yogurt	Bulk-fermented, smooth stirred yogurt.
NDP-FP-04	Greek Yogurt	Strained, high-protein concentrated yogurt.
NDP-FP-05	Fruit / Flavoured Yogurt	Yogurt with fruit preparations & flavours.
NDP-FP-06	Probiotic Yogurt	Yogurt with added live probiotic cultures.
NDP-FP-07	Buttermilk (Chaas)	Spiced cultured / churned buttermilk.
NDP-FP-08	Sweet Lassi	Sweetened blended yogurt beverage.
NDP-FP-09	Salted / Masala Lassi	Savoury spiced yogurt beverage.
NDP-FP-10	Shrikhand	Strained yogurt sweet (chakka based).
NDP-FP-11	Mishti Doi	Caramelised sweet set curd.
NDP-FP-12	Acidophilus Milk	Therapeutic L. acidophilus fermented milk.
NDP-FP-13	Kefir	Effervescent multi-culture fermented milk.

03

CATEGORY • NDP-FB

Fat-Rich Products

Cream separation, churning & clarification

9

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NDP-FB-01	Table Cream	Pasteurised pourable cream (25–35% fat).
NDP-FB-02	Whipping Cream	High-fat aerating cream (>35% fat).
NDP-FB-03	Malai / Clotted Cream	Traditional heat-clotted cream.
NDP-FB-04	White Butter (Makkhan)	Unsalted churned table butter.
NDP-FB-05	Salted Table Butter	Worked & salted packaged butter.
NDP-FB-06	Cooking Butter	Industrial / bakery grade butter.
NDP-FB-07	Cow Ghee	Clarified butterfat from cow milk.
NDP-FB-08	Buffalo Ghee	Clarified butterfat from buffalo milk.
NDP-FB-09	Butter Oil / AMF	Anhydrous milk fat (>99.8% fat).

04

CATEGORY • NDP-CD

Concentrated & Dehydrated Products

Evaporation, drying & powder technology

10

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NDP-CD-01	Khoa / Mawa	Heat-desiccated concentrated milk solid.
NDP-CD-02	Sweetened Condensed Milk	Sugar-preserved concentrated milk.
NDP-CD-03	Evaporated Milk	Unsweetened concentrated sterilised milk.
NDP-CD-04	Whole Milk Powder	Spray-dried full-fat milk powder.
NDP-CD-05	Skimmed Milk Powder	Spray-dried fat-free milk powder.
NDP-CD-06	Dairy Whitener	Sweetened instant milk powder for tea/coffee.
NDP-CD-07	Infant Milk Food	Formulated humanised infant milk powder.
NDP-CD-08	Malted Milk Food	Malt-extract fortified milk food.
NDP-CD-09	Buttermilk Powder	Dried buttermilk for bakery use.
NDP-CD-10	Whey Powder	Dried whey from cheese / paneer.

05

CATEGORY • NDP-CH

Cheese & Coagulated Products

Acid & rennet coagulation, ripening

8

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NDP-CH-01	Paneer	Acid-heat coagulated Indian cottage cheese.
NDP-CH-02	Chhana	Soft acid-coagulated base for sweets.
NDP-CH-03	Cheddar Cheese	Cheddared, pressed & ripened hard cheese.
NDP-CH-04	Mozzarella Cheese	Pasta-filata stretched cheese.
NDP-CH-05	Processed Cheese	Blended, emulsified cheese block.
NDP-CH-06	Cheese Spread	Soft spreadable processed cheese.
NDP-CH-07	Cottage Cheese	Fresh acid-set granular cheese.
NDP-CH-08	Cream Cheese	Soft high-fat fresh cheese.

06

CATEGORY • NDP-FR

Frozen Dairy Products

Mix preparation, ageing & freezing

5

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NDP-FR-01	Ice Cream	Aerated frozen dairy dessert.
NDP-FR-02	Kulfi	Dense traditional frozen milk dessert.
NDP-FR-03	Frozen Yogurt	Frozen cultured dairy dessert.
NDP-FR-04	Soft Serve (Softy)	Low-overrun soft frozen dessert.
NDP-FR-05	Dairy Ice Candy / Lolly	Stick-frozen milk-based dessert.

07

CATEGORY • NDP-SW

Indian Milk Sweets

Khoa & chhana based confectionery

12

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NDP-SW-01	Rasgulla	Spongy chhana balls in sugar syrup.
NDP-SW-02	Gulab Jamun	Fried khoa balls in scented syrup.
NDP-SW-03	Rasmalai	Chhana discs in thickened sweet milk.
NDP-SW-04	Peda	Moulded khoa fudge sweet.
NDP-SW-05	Burfi	Khoa & sugar set milk fudge.
NDP-SW-06	Kalakand	Grainy milk-cake sweet.
NDP-SW-07	Sandesh	Bengali chhana delicacy.
NDP-SW-08	Milk Cake	Slow-cooked browned khoa sweet.
NDP-SW-09	Cham Cham	Oval chhana sweet in syrup.
NDP-SW-10	Basundi	Reduced sweetened flavoured milk.
NDP-SW-11	Kheer / Payasam	Rice & milk pudding.
NDP-SW-12	Gajar Halwa	Milk-cooked carrot dessert.

08

CATEGORY • NDP-BY

Value-Added & By-Products

Utilisation of whey & milk proteins

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NDP-BY-01	Whey Beverage	Fruit-flavoured ready-to-serve whey drink.
NDP-BY-02	Whey Protein Concentrate	Ultrafiltered protein powder.
NDP-BY-03	Edible Casein	Acid / rennet precipitated milk protein.
NDP-BY-04	Lactose	Refined milk sugar from whey.
NDP-BY-05	Dairy Energy Drink	Protein-fortified functional milk drink.
NDP-BY-06	Milk Protein Bar	High-protein dairy nutrition bar.

ENROL • LEARN • PRODUCE

Build a Career in Dairy Manufacturing

Every program in this catalogue is delivered as hands-on training on working equipment — covering raw milk handling, processing, quality control, packaging and food-safety compliance. Mix and match programs to design a track that fits your goals.

75 training programs

8 technology streams

Unique **product code** for every module

NTHRYS OPC PVT LTD

DAIRY PRODUCTS MANUFACTURING
TRAINING PROGRAMS