

**Agribusiness Incubation Programme**  
**ICAR- National Dairy Research Institute**  
**Karnal -132001**

**Objectives:**

- To organize “**Innovative Capacity Building Programmes**” for farmers, entrepreneurs, unemployed youth, students and other stakeholders in the area of scientific dairy farming and Dairy/Food processing.
- To provide services on quality evaluation, research and development and market research
- To assist in development of linkages with developmental agencies, NGOs, private organizations, dairy/food industries and funding agencies with the trainees/entrepreneurs/farmers

**Major Activities of ABI**

- ✓ Organization of Entrepreneurship Development Programme (EDP)
- ✓ Mentor Support for Developing a Business Idea
- ✓ Promotion & Nurturing of Entrepreneurial Aptitude among Students
- ✓ Assistance in R & D activities
- ✓ Business Incubation
- ✓ Linkage Development with other ABI's, NGO,s; MSME, NABARD and other developmental agencies
- ✓ Market Assistance



**Capacity/Skill Development Programmes for Stakeholders Leading to Entrepreneurship**

- ✓ **Entrepreneurship development programmes (EDP)** on Commercial Dairy Farming, Milk processing and Value added Dairy Products: To create awareness for the business opportunities in dairy sector and possible approaches for running a successful enterprise, possible risks, mitigations and other management aspects.
- ✓ **Modular Training Programmes** for Industry Personnel & Government officials (Quality Assurance Personnel, Dairy & Food Technologists, Non-dairy technologists, Field Veterinarians, Technical officers, Paravets): To improve the skills of employees through imparting training on newer developments in dairy value chain. Training

programmes are customized as per the need of organization or company and topic included breed improvement, fertility management of dairy animals, feed & fodder technologies, farm management, advances in quality assurance and processing of dairy products, dairy plant management, energy and resource auditing of processing units.

- ✓ **Training Programme for Developmental Agencies** (Supported by NABARD, ATMA Directorate of State Governments, NGO's & other developmental agencies): To expose and train the farmers, rural youth & farm women on scientific rearing of dairy animals, cultivation & preservation of fodder crops, clean milk production, on-farm processing and value addition dairy/food products.
- ✓ **Students Training:** For the students of other educational institutes, universities for industrial training at Experimental Dairy, modular trainings in food/dairy technology, biotechnological techniques, dairy/food process engineering, laboratory attachment for short-term projects and to enhance the analytical skills. These training programmes provide an opportunity to students throughout the country to get an exposure of emerging trends & advances in milk production, quality assurance, technological and engineering aspects.

### **Key Features of Entrepreneurship Development Programme**

- Well defined Modules (Three tier approach)
- Involvement of Key Experts (Both internal & external)
- Flexible Approach to Address the Diverse needs of trainees
- Close interaction with Successful Entrepreneurs
- Mentor support
- “Hands on Training” opportunities
- Complete “Hand Holding”



### **Business Incubation Programme**

Provide services on marketing assistance, quality evaluation, research and development for business development and help small entrepreneurs for setting up dairy farms, food and dairy processing unit.

- Business incubation infrastructure (Space for office, laboratory and complete processing line and space for test marketing)
- Preparation of Project feasibility reports, submission to banks/funding agencies, assistance in getting requisite regulatory licenses, test marketing and commercial launching of products
- To support Virtual Incubatee: formulate a core team to assist in quality improvement, product diversification & linkages

### **Service Available to Entrepreneurs**

- **Contract Services offered**
  - ✓ Dairy/Food testing facility for physical, chemical & microbiological parameters
  - ✓ Feed & Fodder Analysis
  - ✓ Supply of semen, testing of semen straw
  - ✓ Milk Adulteration Kits
  - ✓ Microbial Cultures
- **Consultancy services** for establishment of commercial dairy farms, milk processing units, Breeding Farm, Food testing Laboratory
- Auditing of Processing unit for HACCP/ISO certification
- **Advisory Services** on product quality improvement and product diversification
- **Farm Advisory Services** in reference to quality feed/fodder production, maintenance of elite herd
- **Custom hiring** of processing equipments for pilot/industrial scale trials
- **Mentor Support:** For converting the idea into prototype and business model

### **Infrastructure Available to Support the Entrepreneurs & Startups**

- Consultancy Processing Cell
- Technology Business Incubator (TBI)
- Institute Technology Management Unit (ITMU)
- National collection of Dairy Microorganisms (NCDC)
- National Bio-informatics Centre
- Livestock Farm (2000 animal)
- Fodder Farm (1000 acres)
- Biotechnology Centre
- Experimental Dairy Plant
- Model Dairy Plant
- National Referral Centre for Milk Quality & Safety

### **Processing Lines Available for Entrepreneurs**

- **Modular Milk Processing & Packaging Line** (Pasteurizer, Ice cream Machine, Kulfi Making machine, Khoa kettles, Butter Churner, Ghee kettles, Mixing-cum-Incubation Tank, Paneer press, Paneer dicing machine, Curd cup filling machine, Beverage filling line, Powder packaging line)
- **Canning Line** (Vegetable preparation machine, Exhaust box, Retort pack sealer, retort)
- **Bakery and Snack Manufacturing Unit** (Mixers, Dough Divider, Cookie-drop machine, Rotary rack ovens, Pasta Making machine, Food Extruder, Biscuit packaging line, Snack packaging line)
- **Pilot Scale** Spray Dryer, Cabinet Dryer, Fluidized Bed Dryer and Vacuum Tray Dryer