

## DAIRY PROCESSING AND OPERATIONS

### Introduction

**Department of Dairy Processing & Operations**, also called as **Anubhav Dairy Plant** has been working at Sheth M.C. College of Dairy Science, Anand since the inception of the college. It is a place where teachers and students of Dairy Science College engage in teaching and experimental research, thus bringing together the twin disciplines of theory and practice, and thereby attaining one of the principle academic goals of the Kamdhenu University.

Anubhav Dairy plant was established with the prime intension of providing practical training in the area of milk processing and preparation of various milk products. Practical classes for the various B. Tech. (Dairy Technology) courses are conducted here. Students gain valuable experience in the operation and maintenance of milk processing equipments installed in the plant.

### **Anubhav Dairy has the following functions:**

- Providing necessary infrastructure facilities to the students and scientists for conducting UG practicals in the Dairy Technology and other disciplines of the college.
- Conducting research trials of the departmental as well as PG research work on milk and milk products.
- Maintaining all the machines and equipments installed at the dairy plant.
- Facilitating the education and research work of all the departments pertaining to milk and milk products.
- Helping in scaling up of new products/processes developed in the laboratories on the pilot scale.
- Provide training facilities to the students in the operation of dairy plant.

After meeting the requirements of research and teaching, the plant is used for converting the surplus milk into variety of dairy products such as Ghee, Paneer, Chocolate Burfi, Shrikhand, Kulfi. Candy, Processed Cheese, etc. These products are sold through the sales counter of the Anubhav Dairy located at the Institute's main entrance.

Various equipments are available for the manufacture of a wide-range of concentrated and dried milk products, cheese and fermented milk products, fat rich dairy products, traditional dairy products and dairy by-products.

Thus, Anubhav Dairy is working as a model dairy facilitating the teaching and research work in the field of Dairy Education.