



Prof. Sambhajirao Kadam College, Deur

Department of B. Voc.

Academic Year 2021-22

Activity Report


Experiential Learning through Project Work/Field Work/Internship/Study  
Excursion

Name of the Activity	Study Excursion
Organized by	Department of B.Voc. Food Processing Technology
Venue	Nandan Dairy, Baramati
Coordinator & Faculties	Asst. Prof. Prajakta Bhise Asst.Prof. Suhel Bhendawade
No. of Participants	23
Supporting Documents	Sanction Letter
	Student List
	Photos
	Completion Letter/Report



Coordinator

B. Voc. Food Processing Technology  
Prof. Sambhajirao Kadam College, Deur.



Dr. B. N. Bhosale  
Principal,

Prof. Sambhajirao Kadam College,  
Deur, Tal. Koregaon, Dist. Satara

**Notice**

**Date: - 08/12/2021**



**(B.Voc Food Processing Technology)**

This is to inform all the students of B.Voc Food Processing Technology that as per the syllabus, Department of food Processing Technology is going to organize industrial visit to the **Nandan Dairy Plant** and **Krishi Vigyan Kendra** on **17<sup>th</sup> December, 2021** for B.Voc Food Processing Technology students. <sup>Saramati</sup>

All the interested students are required to give their names in the department by **14<sup>th</sup> December, 2021.**

**Coordinator**

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**Coordinator**

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Principal,

Prof. Sambhajirao Kadam College,  
Deur, Tal. Koregaon, Dist. Satara.

**Principal**



|| Bahujan Hitay ||

Shri Mudhaidevi Shikshan Sanstha's,

# PROF. SAMBAJIRAO KADAM COLLEGE, DEUR

Affiliated to Shivaji University, Kolhapur

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Ref.FPT/B.Voc./Industrial Visit/...../2021-22

Date: 09/12/2021

To  
The Hon. Managing Director  
Sahakari Doodh Utpadak Sangh Maryadit  
Malegaon, Tal: Baramati, Dist: Pune

Subject: Permission for Industrial Visit...

Respected Sir,

As per the syllabus, Department of food Processing Technology is going to organise industrial visit to your well known, reputed and popular dairy plant. The students of B.Voc in Food Processing Technology would like to enrich their knowledge by visiting your plant 17<sup>th</sup> December 2021 at 11:00 am. There are 22 students and 02 staff members are involved in this visit.

So I request you to grant the permission for Industrial Visit.

Thanking You.

Yours Faithfully,

*T. N. Bhosale*  
17/12/2021

*Dr. B. N. Bhosale*  
Principal,  
Prof. Sambhajirao Kadam College,  
Deur, Tal. Koregaon, Dist. Satara.

Shivaji University, Kolhapur  
Prof. Sambhajirao Kadam College, Deur  
B.Voc Food Processing Technology  
Industrial Visit  
Student List



Sr. No.	Student Name	Sign
1	Zite Yuvraj Rama	YR Zite
2	Shinde Neha Vinod	NS Shinde
3	Nikam Prasad Vijay	NV Nikam
4	Pawar Mandira Dipak	MP Pawar
5	Bhosale Rushikesh Sharad	RS Bhosale
6	Kachare Dattatray Sadashiv	D.S. Kachare
7	Lohar Shubham shankar	SL Shubham
8	Nalawadesamadhan Jagannath	B.S. Lohar
9	More Abhay Sunil	S.J. Nalawade
10	Sabale Anushka Sachin	AS Sabale
11	Kalange Shubham Ajit	K.S. A
12	Tambe Prathamesh Dilip	P.D. Tambe
13	Pawar Mahesh Suresh	M.S. Pawar
14	Bhagat Rutuja Kishor	RK Bhagat
15	Shaikh Afraj Aiyaj	AS Shaikh
16	Kumbhar Gayatri Yuvraj	GK Kumbhar
17	Gaikwad Rahul Pralhad	RG Gaikwad
18	More Nikhil Anil	MA More
19	Mulani Irshad Samir	I.S. Mulani
20	Pawar Saloni Tushar	SP Pawar
21	Kamble Amar Vinesh	AK Kamble
22	Sutar Chaitrali Hanmant	CH. Sutar

**Staff Members**

Sr. No.	Name of Staff	Designation
1	Miss. P.R. Bhise	Assistant Professor
2	Mr. S.M. Bhendawade	Assistant Professor

  
**Coordinator**

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B.Voc Food Processing Technology  
Industrial Visit



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**Dr. B. N. Bhosale**  
**Principal,**  
**Prof. Sambhajirao Kadam College,**  
**Deur, Tal. Koregaon, Dist. Satara.**

# PROF. SAMBAJIRAO KADAM COLLEGE, DEUR

Department of B.Voc.

Food Processing & Technology

REPORT

On

Industrial Visit

At

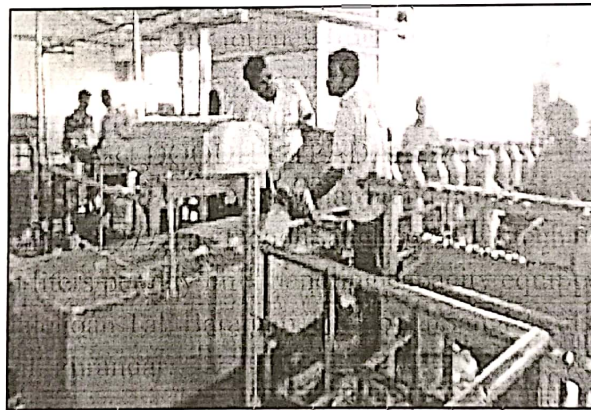
Nandan Dairy Baramati



As per the syllabus Department of B.Voc. Food Processing & Technology has arranged one day industrial visit. On 17/12/2021 we started our journey from Deur at 7:30 am towards Nandan Dairy Baramati and reached at 10:30 am.

"BARAMATI TALUKA SAHAKARI DOODH UTPADAK SANGH MARYADIT, BARAMATI", recognized with its popular brand name 'NANDAN' is a cooperative milk union established on 1st December 1977. The DoodhSangh has high-tech dairy plant popularly known as "Nandan Dairy" with 1.5 lakh liters per day milk handling capacity equipped with modern milk packing unit and by-product unit at Malegoan Tal. Baramati. The DoodhSangh is also supported with 20,000 LPD milk chilling center at Nira Tal. Purandar.

After visiting the boiler section students observed milk processes section there. Mr. Anil Pimple, supervisor of milk process plant gave detailed information about different types of milk processes carried in "Nandan Dairy".

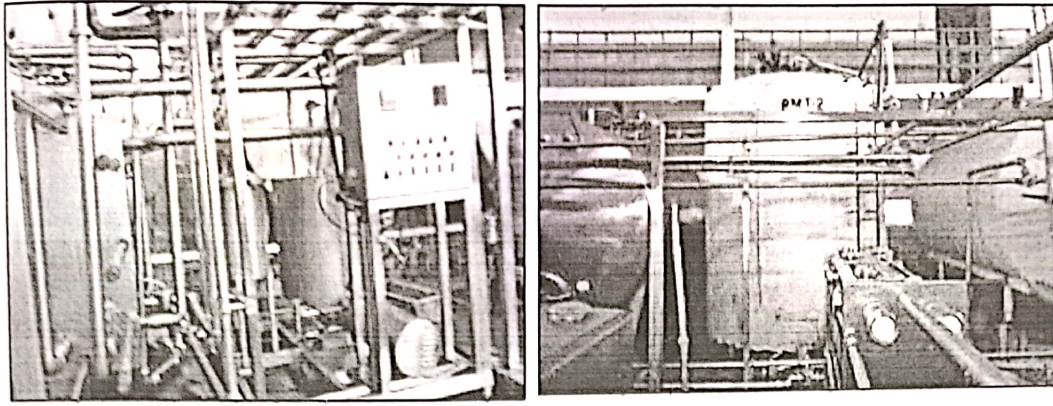


**Photo: Milk Collection**

**Pasteurization:** Raw milk has a lot of bacteria, which spoils milk. Some bacteria are harmful to human beings. Pasteurization kills the pathogens and some of the spoilage organisms. Ultra high temperature is designed to kill essentially all of the bacteria from the milk. In processes of Pasteurization; milk is initially boiled and then hold at above 70 °C and then it is made cold. After Pasteurization processes milk is transferred to storage tank which is also at low temperature and then milk is packed on packing machine. Different volumes of packet like half litre, one litre are packed on automated machine. Collected Packets are transferred to market.

Nandan Dairy is also famous in the production of different types of milk products with brand "Nandan".





**Photo: Pasteurization of Milk; Control panel and Storage Tank**

### ESSENTIAL SECTIONS OF A MILK PROCESSING PLANT

The milk processing plant shall have the following essential facilities.

1. Raw Milk Reception Dock (RMRD) - consisting of can conveyor, can washer, weighing balance, dump tank etc.
2. Processing Hall - cream separator, chiller, homogenizer, pasteuriser and other related machinery are installed.
3. Storage area- for milk storage tanks.
4. Products manufacturing area- depends upon the type of products and the quantity of milk handled, the required equipment needs to be installed.
5. Packing area- for packing of liquid milk and other products.
6. Cold storage- for keeping the milk and milk products before sending to market.
7. Quality Control Laboratory- for testing the quality of milk and milk products.
8. Utilities area- for installing boiler, generator set, water treatment plant, maintenance and store area for spares.
9. Waste water treatment plant area- for treating the dairy effluents before releasing to the fields.
10. Quarters and office area- for all the essential

### Other Departments at Dairy Plant

- Effluent treatment :
- Other amenities, transport facilities, etc. :
- R & D, quality control lab and equipment. :

### Dairy Products at Nandan dairy

- Milk in pouches.
- Milk Products- Dahi.
- Lassi.
- Paneer.
- Shrikhand.
- Amrakhand



## Industrial Visit at Nandan Dairy Baramati

So as above the enrich our knowledge by glancing a short One Day Industrial Visit at Nandan Dairy. Again at 6:00 pm we start back journey to Deur.

Co-ordinator

**Coordinator**

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