

CIRCULAR



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Circular

Ref. No. AJU/SOHAS/216/23

Date: 30/10/2023

This is to inform you all that the Department of Biotechnology, School of Health and Allied Science is organizing “**Industrial Visit to Sudha Dairy on 3<sup>rd</sup> November 2023 at 10.30 A.M.** All students are advised to reach the campus at 8.00 A.M. and attend the classes before the visit At 10.30 university bus is arranged for the visit.



**Dr. Santosh Kumar Singh,**  
Assistant Professor and Head  
Department of Biotechnology  
School of Health & Allied Science  
ARKA JAIN University, Jharkhand

***Copy for information & necessary action please:-***

1. PS to the Vice-Chancellor
2. PS to the Director
3. PS to the Registrar
4. In charge Web services for Website
5. Notice Board
6. Guard File

## INDUSTRIAL VISIT TO SUDHA DAIRY

<b>Date of Event</b>	<b>3<sup>rd</sup> November,2023</b>
<b>Name and Type of Event</b>	<b>Industrial Visit</b>
<b>Conducted by</b>	<b>Dr.Jyoti Khurana,</b>
<b>No. of Participant</b>	<b>38</b>

**Objective:** The primary objective of the industrial visit to Sudha Dairy Gamharia was to provide students of the B.Sc. Biotechnology Program with a practical understanding of the operations involved in a milk plant. The focus was on enlightening students about the processes of Pasteurization, Quality Assurance, Packaging of milk, and the manufacturing of various milk products.

**Event Overview:** On the scheduled date of November 3, 2023, the students, accompanied by two faculty members, visited Sudha Dairy Gamharia. The dairy authorities had designated an appropriate person to guide the students through the various units of the facility. The itinerary included visits to the Pasteurization unit, Quality Control unit, and Packaging unit.

### **Unit-wise Exploration:**

**Pasteurization Unit:** Students were given an in-depth explanation of the pasteurization process, where milk is heated to eliminate harmful bacteria without compromising its nutritional value. The step-by-step breakdown allowed students to grasp the importance of this procedure in ensuring the safety of dairy products.

**Quality Control Unit:** The students gained insights into the rigorous quality control measures implemented at Sudha Dairy. The responsible personnel explained the various biochemical and microbiological tests employed to assess the quality of milk. This exposure provided students with practical knowledge of maintaining quality standards in the dairy industry.

**Packaging Unit:** The visit to the Packaging unit enlightened students about the final stage of the production process. They observed the advanced machinery used for packaging different dairy products efficiently. Understanding the significance of proper packaging in maintaining product freshness and hygiene was a key takeaway.

### **Takeaways (Outcomes):**

**Milk Collection and Transport:** Students became acquainted with the intricacies of collecting milk from different centers and the procedures involved in its transportation. This knowledge expanded their understanding of the dairy supply chain.

**Product Knowledge:** The visit allowed students to familiarize themselves with the diverse range of products offered by Sudha Dairy, including pasteurized milk, peda, yoghurt, paneer, and more. This exposure broadened their knowledge of the variety in the dairy industry.

**Processing Techniques:** Understanding the basic techniques and methods involved in processing and manufacturing various milk products was a significant outcome. Students gained practical insights into the application of biotechnology in dairy processing.

**Quality Assurance Tests:** Students learned about the different biochemical and microbiology tests used to assess the quality of milk. This understanding equipped them with the knowledge required to maintain high-quality standards in the biotechnology and dairy sectors.

**Conclusion:** In conclusion, the industrial visit to Sudha Dairy Gamharia proved to be an enriching experience for the students of the B.Sc. Biotechnology Program. The practical exposure provided a holistic understanding of the dairy industry's processes, from milk collection to the production of diverse milk products. The students expressed enthusiasm for more such visits, highlighting the success of the event in achieving its educational objectives.

## Poster of the Event

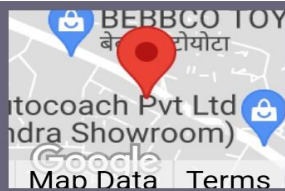


Figure 1: Poster of the Event

Photo of the Event



Figure 2: Industrial visit to the Dairy



**R439+XRW, Industrial Area,  
Gamharia, Jamshedpur,  
Jharkhand 832108, India**


lat: 22.804898 long: 86.119669 alt:  
186

Figure 3: Quality control lab at Sudha dairy



Figure 4: Plant Site Visit

## Attendance

<p align="center">  <b>ARKA JAIN University</b>                      Jharkhand                 </p>				
<p align="center">                     Attendance For Industrial Visit to Sudha Milk Plant                      Date 03/11/2023                      Department of Biotechnology                 </p>				
S.no	Name of Candidate	Employee ID /Enrollment No	Department	Signature
1	NEHA KUMARI	AJU/210298	Bsc-Biotech	Neha
2	ISHIKA MISHRA	AJU/211624	Bsc	Ishika
3	TANYA GUPTA	AJU/211188	Biotech.	Tanya
4	ANKITA GIRI	AJU/211657	"	Ankita
5	Sans Afreen	AJU/211336	"	Sans
6	Naina shafi	AJU/210209	"	Naina
7	Haresh Ray	AJU/210832	"	Haresh Ray
8	Vaibhav	AJU/211258	"	Vaibhav
9	Rahul Jha	220620	"	Rahul
10	Rishab	221870	"	Rishab
11	Mimi	221107	"	Mimi
12	Kanupriya	221288	"	Kanupriya
13	Lakshya	221371	"	Lakshya
14	Nayantara	221854	"	Nayantara
15	Pratibha	221895	"	Pratibha
16	Himanshu	221229	"	Himanshu
17	Bibek kisku	221829	"	Bibek Kisku
18	Rahul Kumar Sharma	221208	"	Rahul
19	SRIRAM BIRVA	221361	"	Sriram
20	Kashish Hussain	220775	"	Kashish
21	Shabnam Khatoon	221480	"	Shabnam
22	Sona Jaiswal	220488	Biotech	Sona Jaiswal
23	Kaishika P. Jaiswal	221199	"	Kaishika P. Jaiswal



**Attendance For Industrial Visit to Sudha Milk Plant**  
 Date 03/11/2023

**Department of Biotechnology**

S.no	Name of Candidate	Employee ID /Enrollment No	Department	Signature
1	NEHA KUMARI	AJU/210298	BSC Biotech	Neha
2	ISHIKA MITRA	AJU/21162	BSC	Ishika
3	TRIPATI GUPTA	AJU/211182	Biotech	Tanya
4	ANKITA SINGH	AJU/211687	"	Ankita
5	Sansh Ajjara	AJU/211330	"	Sansh
6	Naina Chafri	AJU/210289	"	Naina
7	Harsh Ray	AJU/210832	"	Harsh
8	Vaibhav	AJU/211230	"	Vaibhav
9	Rahul Chha	220620	"	Rahul
10	Rishab	221870	"	Rishab
11	Mini	221107	"	Mini
12	Kanurajya	211798	"	Kanurajya
13	Lakshya	221371	"	Lakshya
14	Nayantana	221854	"	Nayantana
15	Poojika	221805	"	Poojika
16	Himanshu	221229	"	Himanshu
17	Ribek Kisku	221824	"	Ribek Kisku
18	Rahul Kumar Sharma	221208	"	Rahul
19	Sankam Beera	221561	"	Sankam
20	Kashish Hussain	220775	"	Kashish
21	Chetan Khosla	221480	"	Chetan
22	Sona Jadhav	220488	Biotech	Sona
23	Kaika Dey	221139	"	Kaika