

## CIRCULAR

**ARKA JAIN**  
**University**  
Jharkhand**DEPARTMENT OF BIOTECHNOLOGY****INDUSTRIAL VISIT****CIRCULAR****Ref. No. AJU/SOHAS/240/24****Date: 9/11/24**

This is to inform all the students of B.Sc. Biotechnology, that there will be an Industrial visit to Waste Management and Sericulture Farm on 18<sup>th</sup> November 2024. All the students must reach the campus at 9:00 AM. The buses will leave the campus at 9:30 AM. Students must bring their student ID card, water bottle and refreshment.



Dr. Santosh Kumar Singh  
HOD

Department of Biotechnology  
School of Health and Allied Science  
Arka Jain University, Jamshedpur Jharkhand

HOD  
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 “WASTE MANAGEMENT AND SERICULTURE FARM”

<b>Date of Event</b>	18 <sup>th</sup> November 2024
<b>Name of the Event</b>	Industrial visit to “Waste Management and Sericulture Farm”
<b>Type of the Event</b>	Academic
<b>Conducted by</b>	Department of Biotechnology
<b>No. Of Participant</b>	33

**Objective:** The industrial visit to Waste management and Sericulture centre was organised to make students understand about the functioning of the Sericulture and waste management industry. This include growing the different types of silk worm to rearing the silk threads.

**Details of the Event:** The purpose of the sericulture excursion to the Sarikela Kharsawan region and Waste Management Plant in Adityapur was to provide experiential learning and develop life skills. Students from B.Sc. Biotechnology 1<sup>st</sup>, 3<sup>rd</sup> and 5<sup>th</sup> semester participated in the industrial visit.

Students observed the mulberry tree plantation, where the silk worms feed and cocoons are formed, and the incubation room, and the eggs are placed for hatching. Finally, the cocoons are gathered, and the process of extracting silk begins. The finest cocoons are allowed to hatch and develop into silk moths. They continue to lay eggs, which restarts the silk production process. As part of a skill development initiative, the centre provides training to the local population. Silk fibres are taken out of the cocoon in the centre’s silk processing facility. Additionally, the silk is coiled into the standard spools for weaving. Students also visited the Waste management plant located in Adityapur. They observed the processing of segregation and management of waste. Dr. Jyoti Khurana, Assistant Professor Department of Biotechnology accompanied the students for the industrial visit and provided the insight and knowledge about the Entrepreneurship development.

**Outcome:** The outcome of the industrial visit is to make students learn about:

1. Students learned about the lifecycle of Silk worm from egg incubation to silk extraction
2. Students had an insight about production of different varieties of silk.
3. Learned about the cultural heritage about silk
4. Learned about Entrepreneurship perspectives of Sericulture industry.
5. Gained knowledge about the functioning of a Waste Management Plant.



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University  
Jharkhand



## POSTER OF THE EVENT



**ARKA JAIN**  
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Jharkhand



**Department of Biotechnology**

*Organizes*



# **INDUSTRIAL VISIT TO : WASTE MANAGEMENT AND SERICULTURE FARM**

18th NOV, 2024 @ 9:00 AM



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1800 - 1200 - 200



## GLIMPSE OF THE EVENT



**Fig 1. B.Sc. Biotechnology students visit to Waste Management Plant Seraikela**



**Fig 2. Students getting explanation about segregation and management of waste**



**Fig 3. Mulberry leaves with the cocoon of Silk collected for harvesting and making silk thread**



**Fig 4. Students observing the preparation of Silk thread at the Sericulture center**





**Fig 5. Worker at Sericulture center demonstrating and weaving Silk thread**

## LIST OF PARTICIPATES

ARKA JAIN  
University  
Jharkhand

**DEPARTMENT OF BIOTECHNOLOGY**  
**SCHOOL OF HEALTH & ALLIED SCIENCE**  
**Industrial Visit - "Waste Management and Sericulture Farm"**  
**18<sup>th</sup> November 2024**

**ATTENDANCE SHEET**

S.No.	Name of the Student	Enrolment No.	Semester	Signature
1.	Kanu Priya	AJU/221378	5 <sup>th</sup>	Kanu
2	Mini Kumari	AJU/221107	5 <sup>th</sup>	Mini Kumari
3	Nayanfare Suresh	AJU/221054	5 <sup>th</sup>	Nayanfare
4	Pratibha Shaily	AJU/221905	5 <sup>th</sup>	Pratibha
5	Lakshya Munari	AJU/221371	5 <sup>th</sup>	Lakshya
6	Anushka Shaw	AJU/241020	1 <sup>st</sup>	Anushka
7	Kirti Bala	AJU/242166	1 <sup>st</sup>	Kirti
8	Rithik Kr. Layak	AJU/240592	1 <sup>st</sup>	Rithik
9	Shubhangi Mishra	AJU/240624	1 <sup>st</sup>	Shubhangi M.
10	Rohit Sharma	AJU/221708	5 <sup>th</sup>	Rohit
11	Kum Kum Kumari Sahu	AJU/241495	1 <sup>st</sup>	Kum Kum Kumari Sahu
12	Manish Kumar Singh	AJU/230376	3 <sup>rd</sup>	Manish
13	Kashishma Kti Yadav	AJU/231122	3 <sup>rd</sup>	Kashishma
14	Annu mahar	AJU/231683	3 <sup>rd</sup>	Annu
15	Amna Khalil	AJU/221343	5 <sup>th</sup>	Amna
16	Kashish Hussain	AJU/220775	5 <sup>th</sup>	Kashish
17	Shabnam phatom	AJU/	5 <sup>th</sup>	Shabnam
18	Priyanka Kumari	AJU/241709	1 <sup>st</sup>	Priyanka
19	Smritha Kumari Verma	AJU/242044	1 <sup>st</sup>	Smritha

20	Kritika Kumari	AJU/241847	Sem. I	Kritika Kumari
21	Pratibha Rijus	AJU/241806	Sem I	Pratibha
22	Pooja Singh	AJU/241330	Sem 2	Pooja
23	Aarti Kumari	AJU/241365	Sem I	Aarti
24	Anaiza Intekhab	AJU/241588	Sem I	Anaiza
25	Aparna Mahato	AJU/241590	Sem I	Aparna
26	Prisyanthu	ASU	Sem I	Prisyanthu
27	Ravi Prakash	AJU/241247	Sem I	Ravi Prakash
28	Ayushi Avantika	AJU/241872	Sem I	Ayushi Avantika
29	Shruti Kumari	AJU/241776	SEM I	Shruti Kumari
30	Shruti Kumari	AJU/241956	SEM I	Shruti Kumari
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Shruti,

Event co-ordinator.

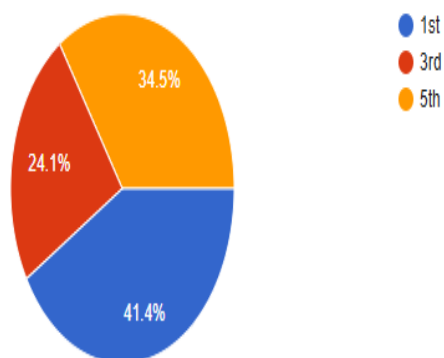
Pratibha



## FEED BACK REPORT

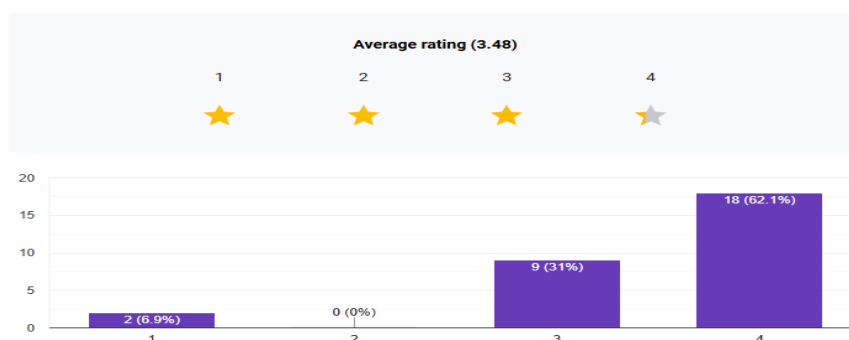
Semester

29 responses

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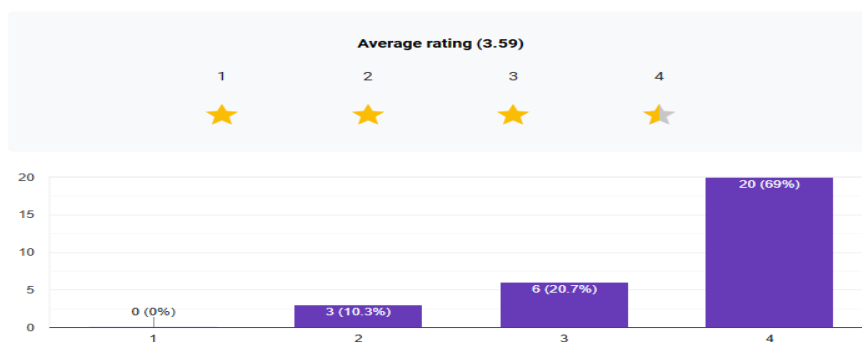
4. How valuable was the industrial visit to your learning experience?

29 responses

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3. Did the industrial visit enhanced your understanding about Sericulture Industry?

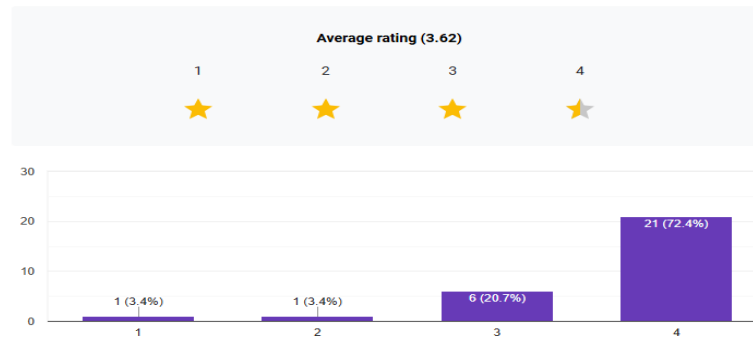
29 responses

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5. How was the experience to interact with the industry professional?

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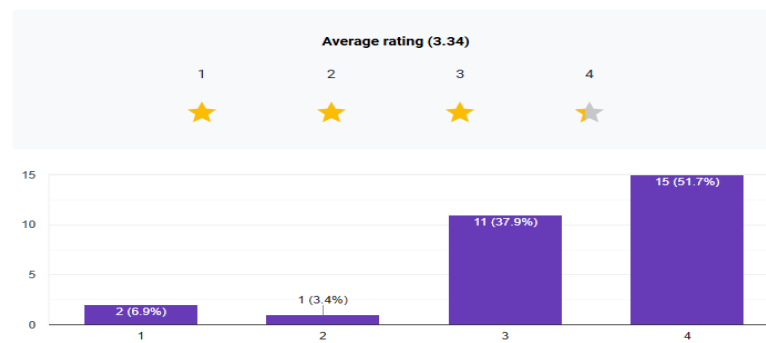
29 responses



6. Were you engaged and actively involved throughout the visit?

[Copy chart](#)

29 responses



7. Would you like to have more industrial visits like this?

[Copy chart](#)

29 responses

