|| Jai Sri Gurudev ||

Adichunchanagiri First Grade College

Channarayapatna

Department of Chemistry

S.A.F.G. College 573116 C.R.Patna, Hassan Dist

Circular

Date: 27-05-2024

Subject: Field Visit to Coir Factory for Second Semester Students

We are pleased to inform you that a field visit to a Coir Factory has been arranged for all second-semester students. This visit aims to provide you with practical insights into the coir industry and its processes.

Date : 31/05/2024

Time : 12:00 pm in the prayer assembly area

Transportation : College bus is arranged for transportation to the coir factory

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Seal & Signature of the HOD
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Sri Adichunchanagiri First Grade College,
Channarayapatna-573116

Department of Chemistry

Date: 31.05.2024

Field Visit Report to Coir Factory

Title	:	Coir Factory Visit
Name of the Factory	:	Bahurupah Coir
Address	:	#26, Mattanavile, Channarayapatana-573116 Hassan. GST-29Aawfb1014b1zr. Ph -6362748058
Owners name	:	Pavan kumar K.M and Pramod.P
Participants	:	30 students from 2nd Semester
Faculty Assigned	:	Dr.B.N.Chandrashekar
Date of Visit	:	31/05/2024

"Group Photograph in the Coir Factory"

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Visiting a coir factory was an inspiring experience with the 2nd semester students. Totally 30 members participated in this industry visit. It not only educates them about the various products derived from coir fiber but also highlights the entrepreneurial opportunities within the coir industry. Here is how a visit to a coir factory can ignite students and showcase the potential of coir by-products:

1) Exposure to the Industry: Students get a first-hand look at the coir industry, seeing how coconut husks are transformed into a wide range of useful products. This exposure can spark their interest and curiosity about the manufacturing process and the potential applications of coir.
2) Entrepreneurial Opportunities: By witnessing the diverse range of coir products and the various stages of processing, students can start to see the entrepreneurial potential within the coir industry. They may be inspired to explore ideas for starting their own coir-based businesses or innovating new products.
3) Value of By-products: Coir processing generates several by-products, such as coir dust and coir pith. Students learn about the value of these

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by-products and how they can be utilized in different industries. For example, coir dust can be used in the production of potting soil or as a biofuel, while coir pith is used in composting and as a soil conditioner.

4) Environmental Sustainability: Coir is a renewable and biodegradable material, making it an environmentally sustainable choice for various applications. Students learn about the eco-friendly properties of coir and the importance of sustainable practices in manufacturing.
5) Critical Thinking and Problem-Solving: Observing the complexities of coir production encourages students to think critically about challenges and solutions in manufacturing processes. It stimulates their problem-solving skills as they analyze the efficiency and effectiveness of different techniques.
6) Community Connection: Visiting local coir factories fosters a sense of connection with the community and its industries. Students gain appreciation for the economic contributions of local businesses and develop a sense of pride in their region's industrial heritage.

"Coir Segregation Unit"

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In the coir industry, students learnt about several processes involved in transforming coconut husks into various products. Here are some key processes typically carried out:

Husk Removal: The first step involves removing the outer husk from the coconut. This can be done manually or with machinery designed specifically for husk removal.

Fiber Extraction: After husk removal, the coir fibers are extracted from the husks. This process usually involves mechanical extraction methods, which may include crushing, soaking, and beating the husks to separate the fibers.

Cleaning and Washing: The extracted coir fibers undergo cleaning and washing to remove any impurities, dust, or debris. This step is crucial for ensuring the quality and purity of the fibers.

Dyeing (Optional): In some cases, coir fibers may be dyed to achieve different colors for specific applications. This optional step involves immersing the fibers in dye solutions and then drying them to set the color.

Spinning and Twisting: Coir fibers can be spun and twisted to create yarns or ropes. This process involves feeding the cleaned fibers through spinning machines to twist them into desired shapes and sizes.

Weaving or Mat Making: Coir yarns can be woven into mats, carpets, or other textile products. This process involves weaving the yarns on looms to create different patterns and textures.

Composting (for coir pith): Coir pith, a by-product of fiber extraction, can be composted to create nutrient-rich soil amendments. This process involves mixing coir pith with organic materials and allowing it to decompose over time.

Product Finishing: Once the desired products are manufactured, they may undergo finishing processes such as trimming, cutting, or brushing to achieve the final desired appearance and texture.

Quality Control: Throughout the manufacturing process, strict quality control measures are implemented to ensure that the products meet industry standards. This may include visual inspections, mechanical testing, and quality assurance checks.

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"Learning Process involved in the Coir Processing and the Finished Products"

Overall, a visit to a coir factory not only educates students about the potential of coir fibre and its by-products but also inspires them to explore entrepreneurship and sustainability in their future endeavors. It's a great way to ignite their creativity and passion for innovation.

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Channarayapatna-573 116

Department of Chemistry

Attendance Sheet – II semester

Field Visit to Coir Factory

Date : 31st April 2024
Place : 201 Lecture Hall
Time : 1 PM
Class : II semester

Sl.No.	STUDENT NAME	SIGNATURE
1)	Bhavana	Bhavana
2)	Rakshitha. B.P.	Raksh.
3)	Mufira Nuroor	Mufiras
4)	Ambika. U.	Ambika. U.
5)	Bhavana. P.R	Bhavana. P.R
6)	Kavana M.R	Kavana M.R
7)	Ramya. H.M	Ramya H.M
8)	Shamfa. B	Shamfa. B
9)	Priyanka. G.B	Priyanka. G.B
10)	Bharath Gowda K.M	Bharath Gowda K.M
11)	UMESHA. S.D	UMESHA. S.D
12)	Nischitha T.M	
13)	Harshitha D.S	
14)	Sowbhagya. K.S	Sowbhagya. K.S
15)	Sneha B.S	Sneha B.S

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	Shashank.G.S	Shashank.G.S
17.	Tejaswini	Tejaswini
18	Anushree K.S.	Anushree.
19.	Bhavana. C.M.	Bhavana. CM
20	Mythri.S	Mythri.S
21.	Sheethal C.H	Sheethal C.H
22.	Anjali. T.S	Anjali. T.S
23	Rashmitha	Rashmitha
24	R.B.Kumari	R.B. Kumari
25	Divya. M.S	Divya. M.S.
26	Rakshitha. A.M	Rakshitha. A.M
27	Chandana. A-C	Chandana. A-C
28.	Deeksha. J	Deeksha-J
29	Doosham. V.P	
30	Apoorva. M.S	

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