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Chemistry Department

Educational Tour Report

Visit to Natraj Kachi Ghani Wooden Cold-Pressed Oil Factory, Raipur

Date of Visit: 20 December 2025

Course: B.Sc. 3rd Semester

Introduction

To enhance practical learning and industrial exposure, a group of **B.Sc. 3rd Semester students** from our college undertook an educational tour on **20 December 2025** to the **Natraj Kachi Ghani Wooden Cold-Pressed Oil Factory, Raipur**. The visit was thoughtfully organized to help students understand the application of traditional techniques in modern sustainable industries.

Objectives of the Educational Tour

The primary objectives of this visit were:

- To gain **first-hand practical knowledge** of the cold-pressed oil production process.
- To understand the **role of traditional wooden (Kachi Ghani) presses** in preserving oil quality.
- To study **eco-friendly and sustainable manufacturing practices**.
- To bridge the gap between **theoretical concepts and real-world industrial applications**.

Factory Profile

The **Natraj Wooden Cold-Pressed Oil Factory** is a reputed and well-established unit in the region, specializing in the production of **premium-quality cold-pressed edible oils**. Established **five years ago**, the factory has earned a strong reputation for its **commitment to purity, sustainability, and traditional values**. The use of wooden presses and chemical-free extraction methods reflects the factory's dedication to health-oriented and environmentally responsible production.

Learning Experience and Observations

During the visit, students were guided through the **entire production process**, including seed selection, wooden press extraction, filtration, and packaging. The factory personnel explained how cold pressing at low temperatures helps retain **essential nutrients, natural aroma, and therapeutic properties** of the oils.

Students observed the functioning of **traditional wooden presses**, which operate without generating excess heat, unlike modern mechanical methods. This experience highlighted the importance of **traditional knowledge in contemporary industries** and its growing relevance in promoting healthy lifestyles and sustainability.

Educational Significance

This tour proved to be an excellent learning platform, enhancing students' understanding of:

- Sustainable industrial practices
- Traditional technology and its modern relevance
- Quality control in natural product manufacturing

The interaction with industry experts provided valuable insights beyond classroom learning.

Conclusion

The educational tour to the **Natraj Kachi Ghani Wooden Cold-Pressed Oil Factory** was highly informative and enriching. It successfully exposed students to traditional oil extraction techniques while emphasizing sustainability, quality, and innovation. The visit significantly contributed to our academic growth and practical understanding of industrial processes.

Acknowledgement

We extend our sincere gratitude to the **management and staff of Natraj Wooden Cold-Pressed Oil Factory** for their warm hospitality and for generously sharing their expertise and knowledge.

We are deeply thankful to our **Respected Principal, Dr. Sonita Satsangi Ma'am**, for organizing this educational tour and for providing constant support and encouragement, which made this learning experience possible.





बिंदेश्वरी बघेल शासकीय महाविद्यालय के छात्रों का शैक्षणिक भ्रमण



कार्यालय प्रतिनिधि
कुम्हारी (अग्रदूत)। स्वर्गीय
बिंदेश्वरी बघेल शासकीय
महाविद्यालय, कुम्हारी के बननपति
आरत एवं संस्थान शासन विभाग
द्वारा बीपसमीं कुम्हारी से मेन्टर के
विद्यार्थियों को नटराज कल्याणी
चान्दी एटट्रियुलर सर्केना, रायपुर
का शैक्षणिक भ्रमण कराया गया।

भ्रमण के दोगने विद्यार्थियों

को मुण्डकी, बिल, रसरों,

बदाम, अलसी, एवं नारियल के

बीजों से शोल, दाढ़, कोल्हपुण्डि

तथा लकड़ी, दाढ़, तुङ्ग, फ्रेंड विभाग

द्वारा तेल निष्कर्षण की प्रक्रिया का

प्रयोग अवलोकन कराया गया।

नटराज कर्नली घासी का

महाविद्यालय के साथ अनुबंध है

जिसके अनुसार छात्र विश्वाल

विकास देते इकाई में जाकर

प्रशिक्षण प्राप्त कर सकते हैं।

नटराज इकाई के निदेशक श्रीमती

चान्दी चोकी एवं विभाग विभिन्न

गणराज्य द्वारा तेल निष्कर्षण इकाई

का डॉगे प्रत्युत्तर किया गया तथा

अधिकारीक एवं पारंपरिक
तकनीकीए, गुणवत्ता नियन्त्रण और
शुद्धता के महत्व के बारे में विस्तृत
में जानकारी दी गई।

इस शैक्षणिक भ्रमण से

विद्यार्थियों को संदर्भिक ज्ञान का

व्यावहारिक उपयोग समझने का

अवसर मिला तथा उद्दीपन

आधारित अध्यगम को बढ़ावा

मिला।

भ्रमण में शासकीय

प्राच्यापाक श्रीमती श्रेता देवे एवं तां

एवं जयश्री ने विद्यार्थियों का

मार्गदर्शन किया। प्राचार्य डा
सोरिता सरलेती ने इस शैक्षणिक
भ्रमण के सफल आयोजन हेतु
सर्वोच्च विभागों के प्रयासों की

सरगता दी गयी। उन्होंने कहा कि इस

प्रकार के शैक्षणिक एवं औद्योगिक

भ्रमण विद्यार्थियों के लिए अत्यंत

लाभकारी होते हैं। क्योंकि इससे

उड़े पाठ्यक्रम से जुड़े विषयों का

व्यावहारिक ज्ञान प्राप्त होता है और

उन्हें शैक्षणिक व व्यावसायिक

क्षमता दी जाती है।

कुम्हारी, जिला - दुर्ग (ग.ग.)

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"We sincerely thank all the participants for their active involvement."

Dr. N. Jaishree

Assistant Professor

Department of Chemistry