Industrial Trip

Preamble:

Arranged an Industrial trip to "***Sri Kodandarama Ayurveda Nilayam, Managalagiri"*** on 24th April 2025.

Participants:

86 Students of Chemistry and three faculty members.

Description of the Programme:

The Department of Chemistry organized an industrial visit to the Sastri Balm manufacturing facility to provide students with practical exposure to the chemical processes involved in the production of pain relief balms. This visit aimed to bridge the gap between theoretical knowledge and real-world industrial applications.

Sastri Balm is a widely recognized topical analgesic known for its efficacy in relieving various types of pain. The manufacturing facility is equipped with state-of-the-art technology and adheres to stringent quality control measures to ensure the production of high-quality products.

Industry experts provided a comprehensive explanation of the chemical processes involved in balm preparation. Students learned about the formulation, including the selection and proportioning of active ingredients such as menthol, camphor, and eucalyptus oil. The process emphasized the importance of precise measurements and controlled reactions to achieve the desired product consistency and efficacy. The manufacturing process was demonstrated in stages: Mixing: Combining active ingredients with appropriate solvents, Heating: Controlled heating to facilitate proper blending, Cooling: Gradual cooling to achieve the desired semi-solid consistency, Filling: Automated filling of the balm into containers. Students observed the use of equipment such as mixers, heating vessels, and filling machines, gaining insight into industrial-scale production.

The packaging process was outlined, highlighting the importance of primary, secondary, and tertiary packaging. Discussions also covered logistics and distribution channels, emphasizing the need for efficient supply chain management.

Conclusion:

The industrial visit to the Sastri Balm manufacturing facility was a valuable experience that enriched students' academic knowledge with practical insights. It underscored the importance of integrating theoretical learning with real-world applications, preparing students for future careers in the chemical and pharmaceutical industries.


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