

B V RAJU COLLEGE (A)
VISHNUPUR, BHIMAVARAM

DEPARTMENT OF LIFE SCIENCES



**SOUTH CAMPUS VISIT
2025-2026**

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As part of our academic outreach activity, we visited the South Campus on **9 September 2025** to demonstrate the preparation of soap and the process of oil extraction to the students. The session was aimed at providing them with practical knowledge and enhancing their understanding of the basic principles involved in the making of these everyday products.

The students actively participated throughout the session, showing curiosity and enthusiasm to learn beyond their textbooks. The overall response was positive, and the experience proved to be both educational and engaging for everyone involved.



SOAP PREPARATION



During the first part of the session, we conducted a live demonstration on how soaps are prepared using the cold process method. The following topics were covered:

- **Introduction to Saponification** – the chemical reaction between fats/oils and a base (sodium hydroxide).
- **Selection of Oils** – use of common oils like coconut oil and castor oil as the base.
- **Preparation Steps** – measuring ingredients, mixing the lye solution, combining with oils, and stirring until trace.
- **Additives** – adding essential oils for fragrance and natural colorants for appearance.
- **Molding and Curing** – pouring the mixture into molds and explaining the curing time for the final soap.

The students observed each step carefully and showed active interest throughout the demonstration. We also discussed the advantages of handmade soap, including its eco-friendliness, customization options, and avoidance of harsh chemicals.

Oil Preparation and Extraction



After the soap-making process, students observed the **oil preparation session**, which was conducted by other experts present at the venue. They demonstrated the extraction of various oils such as **coconut oil, Lilly oil, and antidandruff hair oil**, and explained the basic methods involved in the process and also they were given an overview on all the health benefits of these oils.



Students were also shown the **different instruments used** for oil extraction and were given an overview of how these tools function in traditional and modern setups. The session also touched upon the **uses of these oils** in products like soaps, cosmetics, and other household items.

This part of the visit gave students a good exposure to practical aspects of oil extraction and helped them understand the role of natural oils in everyday applications.

