

College of Pharmacy

Integral University, Phase III

VISIT REPORT

A brief report of Pharmacognosy Field Visit to HERBAL GARDEN – (CSIR) NATIONAL BOTANICAL RESEARCH INSTITUTE

To create awareness among students about medicinal plants and their uses.

(COP), Integral University, Phase III, India organized a visit to medicinal garden, Lucknow, Uttar Pradesh, India 29th of January 2025 for the First-year students of Diploma in Pharmacy, COP.

On 29th of January 2025 first year students of Diploma in Pharmacy were taken to medicinal garden, Lucknow, Uttar Pradesh, India as an active learning process mentioned in the D. Pharm curriculum recommended by Pharmacy Council of India- Education Regulation 2020. A total of 47 students from the First year visited the medicinal garden. This report contains information about the plants and herbs we have planted, their growth rate, and the soil conditions that are ideal for them.

The visit commenced with an informative session on herbarium techniques, where the students learned about the importance of preserving plant specimens for taxonomic studies and research purposes. They were introduced to the process of specimen collection, pressing, mounting, and labeling. This hands-on experience allowed the students to understand the significance of herbaria in documenting and cataloging plant diversity. The students then explored the vast medicinal plant garden within the NBRI premises. They were introduced to a wide range of medicinal plants and their therapeutic properties. Faculty members provided detailed explanations about the phytochemical constituents and pharmacological activities associated with each plant. This exposure enhanced the students' understanding of the potential of natural products in drug discovery and development.

The field visit also focused on the concept of herbal gardens and their significance in promoting traditional medicine. Students learned about the role of botanical gardens in conserving and showcasing various species of plants, including rare and endangered ones. The faculty members explained the importance of herbal gardens in preserving traditional knowledge related to medicinal plants and promoting sustainable practices in healthcare. The students were given insights into plant diversity during their interaction with researchers at NBRI. They learned about various classification systems, including the modern phylogenetic approach, and how they aid in understanding evolutionary relationships among plant species. This knowledge proved beneficial for the students in their future studies and research endeavors. Plant assortment and systematics were another crucial topic covered during the visit. The students learned about different classification systems and their role in understanding evolutionary relationships among plant species. This knowledge will prove valuable in their future studies and research endeavors. Another significant aspect covered during the visit was the exploration of databases related to plant diversity and bioprospection. The students were introduced to online resources and

databases that provide comprehensive information about plant species, their distribution, and their potential applications in medicine. This exposure familiarized the students with the tools available for conducting literature reviews and acquiring up-to-date information in the field of pharmacognosy. The field visit also included a session on product development from plant sources. The students gained insights into the process of extracting bioactive compounds from medicinal plants and formulating them into various dosage forms. They learned about quality control and standardization methods for herbal products. This session provided a practical understanding of the challenges and opportunities associated with herbal drug development. Additionally, the students were introduced to the concept of botanic gardens and their role in plant conservation. They learned about the conservation strategies employed to protect endangered plant species and preserve genetic diversity. The faculty members emphasized the importance of sustainable practices and the need for public awareness regarding plant conservation. Overall, the field visit to the National Botanical Research Institute provided the D. Pharm students with a comprehensive understanding of various aspects related to pharmacognosy and botany. The valuable insights gained through this visit will undoubtedly contribute to their academic and professional growth.

Faculty coordinators for this visit were Mrs. Bushra Fatima, Mr. Govind Kumar. This visit was held under the guidance of Dr. Abdul Baseer Khan, HOD, College of Pharmacy.

We hope this report will be a useful resource to help you understand the progress of our medicinal garden and make better decisions in terms of managing it. The visit concluded with a memorable group photograph.





