

DEPARTMENT OF HORTICULTURE
PANDIT JAWAHARLAL NEHRU COLLEGE OF AGRICULTURE AND RESEARCH INSTITUTE
(A Government of Puducherry Institution affiliated to Pondicherry University)
KARAIKAL - 609 603.

TOUR REPORT

Second and third year B.Sc. (Horticulture) students (39 - 21 Girls and 18 Boys) of 2019-20 and 2020-21 batch were taken for an exposure visit to get them hands on expertise / skill learning pertaining to the practicals of the following course from 11.05.2022 to 15.05.2022.

01. FLA 302 Breeding and seed production of flower and ornamental plants (2+1)
02. HOR 302 Precision Farming and Protected Cultivation (2+1)
03. FLA 201 Commercial Floriculture (2+1)
04. FSC 201 Temperate Fruit Crops (1+1)
05. VSC 201 Temperate Vegetable Crops (1+1)

The students visited **Agriculture Engineering College and Research Institute, Kumulur, Thiruchirapalli** on 11.05.2022. The engineers working in the Farm Machinery Department had explained about the tools and implements developed at the institute. Students observed the latest tools and implements to carryout various farm operations which could save time and labour.

The students were exposed to newer technologies during their visit to **Horticulture College and Research Institute for Women, Navalur Kuttapattu, Thiruchirapalli**, viz., High Density Planting of Guava, rejuvenation of old mango orchard, evaluation and conservation of Underexploited vegetables and fruits by Dr. V. P. Shanthi, Associate Professor (Hort.) and the students had a discussion with the Dr. P. Paramaguru, Dean, HC&RI (W) and Dr. V. Lakshmanan, Professor (Hort.) regarding the career opportunity after the completion of their Degree Programme.

Further, students visited **Horticulture College and Research Institute, TNAU, Coimbatore** on 12.05.2022. In the forenoon session, the students were taken to TANII project operated in the **Department of Vegetable Crops, HC & RI, Coimbatore**. They had the opportunity to get excellent practical knowledge on Hi- Tech Horticulture and Protected cultivation of Vegetable Crops. The students performed vegetable grafting by themselves. The

various activities of the Department was explained to the students by Dr. M. Kumar, Assistant Professor (Horticulture) and Dr. S. Shanmugasundaram, Teaching Assistant.

Dr. M. Kavino, Assistant Professor (Fruit Science), had explained the students on High Density Planting (HDP) and Ultra High Density Planting (UHDP) in Mango and papaya. In addition, he also explained about the activities and achievements from the **Department of Fruit Crops** to the students. Students were taken for a field visit to observe and identify crops and also symptoms. In the afternoon session, students were taken to the **Department of Floriculture and Landscaping**. Dr. C. Prabakaran, Assistant Professor (Horticulture) explained about the activities of the Department and the students visited the **Botanical garden** and seed production plots of Ornamental crops. The latest technology of fixing QR code on trees was a new idea exposed to the students and on scanning the code, the details of that particular tree would be displayed on the mobile.

On 13.05.2022, the students were provided a niche on **Agroforestry Business Incubator at Forest College and Research Institute (TNAU), Mettupalayam**. Dr. K. T. Parthiban, Dean, FC&RI, Mettupalayam, Dr. M. Rajesh and Mrs. S. Gayathri had delivered detailed information about the Incubation Center and their activities along with scope and importance of agroforestry and timber wood production and conservation. All the students were taken to the processing sections and got benefitted.

To provide a niche on the commercial aspects of Temperate Vegetables, Flower crops, the students were taken to the **Horticulture Research Station, Ooty and Ooty Wood House Farm** on 14.05.2022. Mr. Shanmugavel at HRS, Ooty and Mr. Thangaraj, Woodhouse Farm delivered more information about the crops cultivated in Nilgiris and their management practices. Also students identified temperate vegetables and fruit crops *viz.*, Carrot, Beans, cauliflower, cabbage, chinese cabbage, sprouting broccoli, brussels sprout, radish, celery, leek, garlic, beet root, pear, egg fruit, persimmon *etc.*

The students also visited “Rose Show 2022”, Conducted by the Department of Horticulture, Nilgiris at Rose Garden on 14.05.2022. They have been exposed to more than 10,000 No’s of Rose varieties and Hybrids. Landscaping is one of the major courses for the UG students and to satisfy the objective of this course, they were taken to Tamil Nadu Botanical Garden, Ooty and Siri Karnataka Botanical Garden, Ooty. It served as an excellent platform to learn about the components of Landscape Garden and for identification of plant and non - plant

components. Students were happily involved in this programme and identified many plants and components practically. Potted plants were maintained in polyhouse and glass house. Students had a very good exposure to most of temperate annuals, cacti, succulents and foliage plants.

During the return journey on 15.05.2022, students visited a Private nursery M/s. VS Nursery Farms, Kotagiri, Nilgiris. Mr. C. Venkatesan, Owner of the firm explained about the activities of the firm and provided idea about the crops grown in Nilgiris and the demand for the crops and varieties. Student also noted the various media used for raising lettuce and other salad vegetables.

Students then visited, Kotagiri Estate Tea Factory owned by Vishnu Ganesan Industries (P) Ltd., Aravenu, Kotagiri. The students were provided with hands on experience about tea processing and packing.



Visit to AEC & RI, Kumulur (TNAU)



Visit to HC & RI (W), Navalur Kuttapattu, Thiruchirapalli



Visit to Department of Horticulture, HC & RI, TNAU, Coimbatore



Visit to Department of Vegetable Crops, HC & RI, TNAU, Coimbatore



Visit to Department of Fruit Crops, HC & RI, TNAU, Coimbatore



Visit to Department of Floriculture and Landscaping, HC & RI, TNAU, Coimbatore



Visit to Horticulture Research Station, Ooty



Visit to Woodhouse Farm, HRS, Ooty



**Visit to Kotagiri Estate Tea Factory owned by Vishnu Ganesan Industries (P) Ltd.,
Aravenu, Kotagiri.**



Visit to FC & RI & Business Incubation Center, Mettupalayam



Visit to VS Nursery Farms, Kotagiri, Nilgiris.