

**PANDIT JAWHARLAL NEHRU COLLEGE OF AGRICULTURE AND RESEARCH INSTITUTE, KARAIKAL  
(UT OF PUDUCHERRY)**

**STAR COLLEGE SCHEME - DBT**

**STUDENTS EXPOSURE VISITS / SKILL LEARNING (As of 31.03.2023)**

**A. DEPARTMENT OF AGRONOMY**

<b>Course</b>	<b>Year and Batch</b>	<b>No. of students</b>	<b>Place and purpose of visit</b>	<b>Date / Duration</b>	<b>Skill learning by students</b>
B.Sc. Hons. (Agriculture)	IV year (2018-19 batch)	37	<ul style="list-style-type: none"> <li>i. IFS unit in Farmers Field, Erode;</li> <li>ii. IFS Unit, TNAU, Coimbatore;</li> <li>iii. Department of Remote sensing and GIS, TNAU, Coimbatore;</li> <li>iv. Soil Testing Lab, Coimbatore</li> <li>v. Rose Nursery, Coimbatore</li> <li>vi. Indian Institute of Soil and Water conservation, Ooty</li> </ul>	26.06.2022 to 29.06.2022	<ul style="list-style-type: none"> <li>i. The students learnt about organic farming in banana and linkage of IFS units.</li> <li>ii. Students had learnt about wetland and gardenland IFS models</li> <li>iii. Students learnt the applications of remote sensing and drone in agriculture; Use of remote sensing in soil fertility mapping and identification of problem soils.</li> <li>iv. Students were exposed to collection, processing, coding and analysis of soil samples.</li> <li>v. Students had hands on training on propagation methods in rose and other horticultural crops</li> <li>vi. Students learnt about water conservation and watershed management activities.</li> </ul>
B.Sc. Hons. (Agriculture)	II year (2020-21 batch)	102	Irrigation Management Training Institute, Trichy; and Grand Anicut, Kallanai	29.06.2022	Hands on training on irrigation structures; construction of irrigation and drainage channels; water measuring devices

B.Sc. Hons. (Agriculture)	III Year (2019-20 batch)	110	Vallanadu sustainable agriculture producer company limited,Sirkali	06.08.2022	Hands on training on i. Organic rice cultivation practices ii. Vermicomposting iii. ITK preparations
B.Sc. Hons. (Horticulture)		22			

## B. DEPARTMENT OF HORTICULTURE

Course	Year and Batch	No. of students	Place and purpose of visit	Date / Duration	Skill learning by students
B.Sc. (Hons.) Horticulture	III year Horti	22	Agriculture Engineering College and Research Institute, Kumulur, Thiruchirapalli (Exposure visit under courses FLA 302 and HOR 302)	11.05.2022	Students observed and learnt on the skill of utilizing the modern tools and implements in horticultural field operations  Learned about High Density Planting of Guava, Rejuvenation of old mango orchard, evaluation and conservation of Underexploited vegetables and fruits
B.Sc. (Hons.) Horticulture	II Year Horti	17	Horticulture College and Research Institute for Women, Thiruchirapalli (Exposure visit under courses VSC 201, FLA 201 and FSC 201)	12.05.2022	Learned practically on Hi- Tech Horticulture and Protected cultivation of Vegetable Crops. The students performed vegetable grafting. In addition, students also exposed to High Density Planting (HDP) and Ultra High-Density Planting (UHDP) in Mango and papaya
M.Sc. (Hort.) Vegetable Science	I M.Sc. (Veg. Sci.)	4	Horticulture College and Research Institute, TNAU, Coimbatore (Exposure visit under courses VSC 501 and VSC 502)  Department of Floriculture and Landscaping, HC& RI, TNAU, Coimbatore (Exposure visit under courses VSC 501 and VSC 502)	12.05.2022	Students were visited the Botanical Garden and identified the different species of ornamental and flowering horticultural crops and also visited seed production plots of Ornamental crops. Besides, the students learned the latest technology of fixing QR code on trees was a new idea on searching the details of that particular tree would be displayed on the mobile.

			Agroforestry Business Incubator, Forestry College and Research Institute, Mettupalayam.	13.05.2022	Learned an Information about the Incubation Center and their activities along with scope and importance of agroforestry and timber wood production and conservation. The students also visited the processing sections
			Horticulture Research Station, Ooty and Wood House Farm (Ooty)	14.05.2022	Students got field exposure for identifying temperate different 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, persimon etc...
			Rose Garden, Ooty	14.05.2022	Students 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 identified many plants and components. Besides, the students had a very good exposure to most of temperate annuals, cacti, succulents, foliage plants etc...
			Commercial Nurseries, Ooty	15.05.2022	Students visited a private nursery wherein the students were exposed to various media used for raising lettuce and other salad vegetables. In addition, the students were provided with hands on experience about tea processing and packing.
			Semio-chemical laboratory of GPS Institute of Agriculture Management, Peenya, Bengaluru	26.05.2022	Students have visited the laboratory and learned about different types of pheromone traps used for controlling the pest in horticultural crops.
			Multiplex biotech Pvt. Ltd, Peenya	27.5.2022	Students learned about production of different biofertilizers and bio pesticides of multiplex.

			Hanumantha polyhouse unit, Bengaluru	28.05.2022	Cultivation techniques in rose under poly house and Hands on training about Bud capping in rose to prevent uneven opening of flowers
B.Sc. (Hons.) Horticulture	IV B.Sc. (Horti.) Students 2019-20 batch		Annapoorna organic manure production unit, Karikalpalayam farm, Bengaluru	29.05.2022	Learned the technologies about multiplex organic manure preparation (Annapoorna and Mahan)
			Multiplex Drones Pvt.Ltd., Vijaya nagar, Bengaluru	30.05.2022	Hands on training about operation and usage of Drones in agriculture
			Multiplex vemicompost Unit, Bengaluru		Hands on training about preparation of vermi compost and vermiwash
			Multiplex soil laboratories, Peenya		Hands on training about soil analysis (pH, EC, organic carbon, Nitrogen, Phosphorus, Potassium, Ca, Mg, S)
			Indo American Hybrid Seeds, Bengaluru	31.05.2022	Students learned about scope of seed industry in India and saw the different hybrids and variety seeds of Indo American hybrid seeds.
			EKALAVYA Hi-tech Nursery, Bengaluru	01.6.2022	Learned the nursery technologies for production of capsicum, chilli, cabbage, tomato, papaya and marigold
			IIHR, Bengaluru	02.06.2022	Students have learned about cultivation of capsicum under poly house
				03.06.2022	Students have seen the gamma rays chamber and learn the uses for breeding and postharvest handling Visited the IIHR fruit nursery and dragon fruit field
			Pavithran a septic fruit, Paiyur, Krishnagiri	06.06.2022 to 13.06.2022	Hands on training about mango pulp processing which includes grading, washing, tip cutting, destoning, pulping, finishing, standardization, pre heating, separator/decanter, evaporation, sterilization and a septic filling

### C(i). AGRICULTURAL ENTOMOLOGY

Course	Year and Batch	No. of students	Place and purpose of visit	Date / Duration	Skill learning by students
B.Sc. (Hons.) Agriculture	IV Year 2018 -19 batch	37	i. Silk worm Grainage centre and Mulberry nursery production center, Trichy ii. Government Cocoon market, Silk reeling unit, Silk winding unit, Silk bleaching & dyeing unit, Silk weaving unit, Coimbatore iii. Sericulture Department. FCRI, TNAU, Mettupalayam	21.06.2022 to 25.06.2022	Students were given hands-on-training on Chawki rearing, Late age silk worm rearing, Mulberry nursery production techniques, Silk reeling. Silk weaving and Mini clonal techniques. They also learnt ICT based silken Cocoon auction methods in a Cocoon market located at Coimbatore. It is further stated that the tour programme might have improved the overall skill and knowledge of the students particularly on Chawki rearing. Late age silk worm rearing. Silk reeling and Silk weaving which could lead to development of entrepreneurship skill among students.

### C(ii). PLANT PATHOLOGY

Course	Year and Batch	No. of students	Place and purpose of visit	Date / Duration	Skill learning by students
B.Sc. (Hons.) Agriculture	IV Year (2019-20 batch)	28	Visit to M/S. Priyum Biotech Centre, Velukudi, Thiruvarur Hands on training on various mushroom Cultivation and M/S. V GROW BUTTON MUSHROOMs, Thandikudi, Kodaikanal (Exposure visit under ELP 413)	17.03.2023 to 19.03.2023	➤ Spawn Production, Substrate preparation and Cropping of Oyster mushroom at M/S. Priyum Biotech Centre, Velukudi, Thiruvarur; Substrate preparation - Compost making (Short and long method), and spawning at M/S. V GROW BUTTON MUSHROOMs. Pattiveeranpatti, Dindigul dt and cropping of button mushroom at M/S. V GROW BUTTON MUSHROOMs Thandikudi, Kodaikanal, Dindigul District

### C(iii). AGRICULTURAL MICROBIOLOGY

Course	Year and Batch	No. of students	Place and purpose of visit	Date / Duration	Skill learning by students
B.Sc. (Hons.) Agriculture	IV Year (2019-20 batch)	37	Visit to microbial inoculants unit, Agricultural college and research institute, Tamil Nadu Agricultural University, Coimbatore. <b>Purpose:</b> To learn the mass production strategy of different bacterial bioinoculants in large scale fermenters.	11.07.2022 to 14.07.2022	<ul style="list-style-type: none"><li>➤ Acquired skills on microbiology handling of microorganism.</li><li>➤ Acquired skills on mass production of bioinoculants in small scale and large scale fermentor.</li><li>➤ Acquired skills on newly developed bioinoculants.</li><li>➤ Acquired skills on marketing strategy of bioinoculants.</li></ul>

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**Dr. V. SUNDARAM**  
COORDINATOR (STAR COLLEGE SCHEME)

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**Dr. A. POUCHEPPARADJOU**  
DEAN

