

# Visit to Rise Hydroponics and Jaiselmeria Nursery



By

**Department of Botany, President Science college**

With

**Dr. Juhi Gajjar and Ms. Megha Lodha**

Visit to Hydroponics Farm and Nursery are arranged to give exposure to students about actual world of Botany. Field education is equally important as classroom teaching. It adds vigor in learning processes and relieves monotones of indoor education. Visit to farm and Nursery is helpful for students to know how they can implement their knowledge to grow good businesses.



**Rise Hydroponics Farm**



**Jaiselmeria Nursery**

As a part of B.Sc. Botany Curriculum, one day visit was organized to Rise Hydroponics and Jaiselmeria Nursery by Department of Botany, President Science College, Ahmedabad on 21<sup>st</sup> February, 2023 for semester II and IV Botany students. The major objective was to familiarize the students with the actual application of different botanical branch, and to make them aware with different agricultural and horticultural practices.

### **Visit to Rise Hydroponics...**

A group of students were accompanied by **Dr. Juhi Gajjar** and **Ms. Megha Lodha** of Botany department. Rise Hydroponics is rising dynamic in the modern agriculture field of soilless farming. Hydroponics is **the technique of growing plants using a water-based nutrient solution rather than soil**, and can include an aggregate substrate, or growing media, such as vermiculite, coconut coir, or perlite. Students get hands on practice for agricultural crops.

**Ms. Ameet Patoliya**, agronomist of the Rise Hydroponics introduced students with two different types of Green house: Poly-house and Net-house. Polyhouse farming is **a special kind of arrangement in which the crop field is completely or partially covered by transparent polyethene sheets**. The nutrients are dissolved in water and supplied to plants through drip irrigation. A net house refers to **the structure which is enclosed by agro nets or any other woven**



**material to allow required sunlight, moisture and air to pass through the gaps. It creates an appropriate microclimate conducive to the plant growth. These are also called as Shade house.**



**Poly House**



**Net House**

There are different varieties of vegetables and fruits like lettuce, spinach, broccoli, capsicum, turmeric, cherry tomato, tomatoes, strawberries and many horticultural crops. Students introduced with different horticultural and agricultural practices. They have collected tomatoes and practice for harvesting of Turmeric.



**Tomato Plant**



**Harvesting Turmeric**



**Bell pepper**





**Group of Botany students exploring Poly-house, Net-house and Container Farming**



## Sapling



**Capsicum**



**Basil**



**Lettuce**

## Instruments



**Fan**



**Hygrometer**



**Hygrometer**



**pH meter**



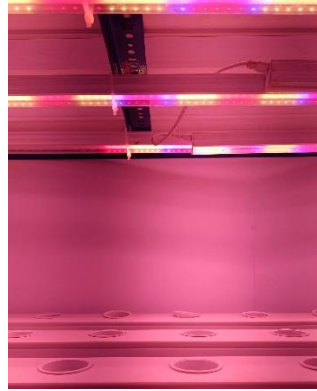
**E.C meter**



**ThermoGun**



**Sticky Pad**



**Grow Light**



**Pheromone Trap**

### **Different Horticultural Crops**



**Orchid**



**Florist Kalanchoe**



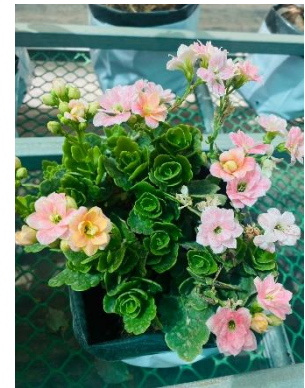
**Kalanchoe**



**Anthurium (Lace leaf)**



**Chrysanthemum**



**Kalanchoe**



## Visit to Jaiselmeria Nursery...

After learning lots of agricultural practices students went for visiting nursery. Jaiselmeria Nursery is situated near Vaishno Devi Circle, S.G. highway, Ahmedabad. There are all type of seasonal, perennial flowers, fruit plants, tropical palms, bonsai & avenue tress available.



The trip successfully inculcated in students the practicality of different theoretical concepts of Botany.