


# SRR&CVR GOVT. DEGREE COLLEGE (A)

## DEPARTMENT OF BIOCHEMISTRY

### FIELD TRIP TP LAMFARM

DATE: 1/4/2022

 **S.R.R. & C.V.R. GOVT. DEGREE COLLEGE**  
(Autonomous)  
NAAC accredited with 'B+' Grade  
Machavaram, VIJAYAWADA - 520 004. Krishna District.  
Cell : 9848251236 Ph : 0866-2430060, Fax : 0866-2441092, www.srrcvr.ac.in srrandcvr@gmail.com

*Dr. K. Bhagya Lakshmi*, M.Sc., M.Phil., Ph.D.  
Principal

Date: 28/03/2022

To,  
The Associate Director  
Regional Agricultural  
Research Station, Lamfaram,  
Guntur -522034, Andhra Pradesh.

**SUB:** Request for Field visit to Regional Agricultural Research Station, Lamfaram, Guntur /by students and faculty of Department of Food technology and Biochemistry, SRR&CVR GDC, Vijayawada, Regarding.

Dear Sir,

This is a request letter to seek your kind permission for an industrial visit to your research station. As per APSHE norms, higher education students are expected to visit labs and research institutes of repute. It will be fruitful that the students with an academic background in biochemistry and Food technology have a sight of the research institute for practical exposure and insights to research environment.

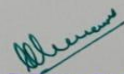
In this connection, we are pleased to introduce SRR & CVR Govt Degree College (A), a premier institute of central Vijayawada.

The students and faculty of the Food Technology and Biochemistry department wish to visit the research station preferably in the last week of march to first week of April. The total number of students will be 50, accompanied by three faculty members.

We assure that our students maintain discipline during their visit and follow the rules and regulations prescribed by your research station.

We request you to grant permission to visit your esteemed research station. We highly appreciate your acceptance.

Thank you  
We look forward to your positive response.

  
- PRINCIPAL  
SRR & CVR Govt. Degree College  
VIJAYAWADA.

# **SRR&CVR GOVT. DEGREE COLLEGE (A)**

## **DEPARTMENT OF BIOCHEMISTRY**



### **Students boarding the bus to get to the field trip**

The department of biochemistry has conducted a field trip to Acharya N. G. Ranga Agricultural University, Regional agricultural research station landfarm, Guntur-522034, Andhra Pradesh, India. First we met with the ADR of landfarm. Sir introduced Dr. D Sujatha professor in crop physiology. Our team accompanied us and visited all the research departments. First we went to the exhibition kept by the university where all the innovations of research stations are displayed. Student interacted with Dr. Sarada. She explained how the research station is working hard to give farmers the best yield, giving crops totaling 168 new varieties of cereals and 46 varieties of oil seed plants. Students interacted with Dr. Sarada about their queries.

**SRR&CVR GOVT. DEGREE COLLEGE (A)**  
**DEPARTMENT OF BIOCHEMISTRY**



# **SRR&CVR GOVT. DEGREE COLLEGE (A)**

## **DEPARTMENT OF BIOCHEMISTRY**

Next we went to visit Drone Technology. Dr. Sambayya with his team explained this technology for adding pesticides & fertilizers in the fields. Once the drone is filled with the pesticides it can spray around 7 acres of land. He gave business ideas to students and inculcated the zeal of entrepreneurship in students.



### **Drone Technology**

Prof. Sambayya addressing students about Drone Technology

# SRR&CVR GOVT. DEGREE COLLEGE (A)

## DEPARTMENT OF BIOCHEMISTRY



**Students watching the Land Farm Agricultural Innovations**

# SRR&CVR GOVT. DEGREE COLLEGE (A)

## DEPARTMENT OF BIOCHEMISTRY



### [Visit to crop physiology lab:](#)

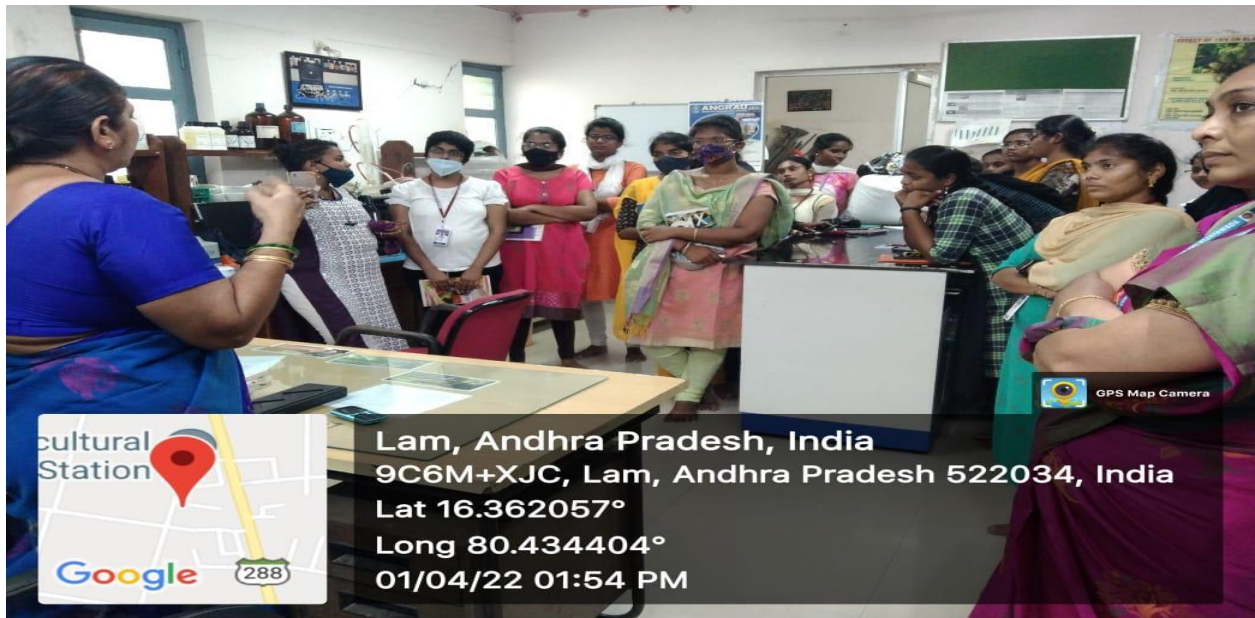
The students, staff in batch wise visited the crop physiology lab Dr. Sujatha introduced the equipment to the students. The measurement of chlorophyll content of the leaf was demonstrated to the students. She also demonstrated the machine to monitor the leaf area and Spectrophotometry etc. were introduced to students.

# SRR&CVR GOVT. DEGREE COLLEGE (A)

## DEPARTMENT OF BIOCHEMISTRY



Students at Crop Physiology Lab



### Visit to bio technology lab:

Students are eager to visit biotechnology labs. This lab carries sophisticated equipment such as PCR, Geldoc, Cooling centrifuge, Agarose gel electrophoresis etc. while we visit the lab the

# SRR&CVR GOVT. DEGREE COLLEGE (A)

## DEPARTMENT OF BIOCHEMISTRY

scientists were working on viral disease and explained about the primers used for the viral genome.



Students at Biotechnology Lab



# **SRR&CVR GOVT. DEGREE COLLEGE (A)**

## **DEPARTMENT OF BIOCHEMISTRY**

### **Visit to soil analysis lab:**

The team visited a soil analysis lab. There Dr. Sailaja madam gave an elaborated description on soil analysis for different minerals. How the flame photometer is utilized for recording the concentration of different minerals was shown to students. The content in a sample was quantified. A reading was taken before students.

Many soil samples with labeling were kept at the door of the lab. Students interestingly observed all the equipment and collected the procedures for the analysis of different minerals.



**Students at Soil Science Lab**

# **SRR&CVR GOVT. DEGREE COLLEGE (A)**

## **DEPARTMENT OF BIOCHEMISTRY**

### **Visit to weather station:**

Students were taken to a weather station where the different equipment were introduced to students to measure maximum and minimum temperature, humidity, rainfall by rain gauge, water percentage in soil, temperature in soil, wind velocity measurements etc.

Students with much enthusiasm visited all the equipment and came to clarify their queries.



**Students at Weather Forecast Field**



# **SRR&CVR GOVT. DEGREE COLLEGE (A)**

## ***DEPARTMENT OF BIOCHEMISTRY***

### **Acknowledgement:**

We are very thankful to our Principal Dr. K Bhagya Lakshmi Madam for giving permission for this field trip. We also thank APSRTC for providing the bus facility for this field visit. Our heartfelt thanks to ADR-Larmfarm for allowing us to visit all the labs in the research station. Our special thanks to Dr. D Sujatha Madam for accompanying us to all the labs in the research station. We also thank each scientist of the research station for their patients for demonstrating the equipment and spending valuable time for us.

Reported by  
Sd. V Tahaseen  
I/C Dept. of Biochemistry