



K.R. COLLEGE OF ARTS & SCIENCE
(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)
K.R. NAGAR, KOVLPATTI – 628 503
Department of Biochemistry

Field Visit / Industrial Exposure Report 2021 - 2022

Title of the Programme:

Educational Field Visit to Tamil Nadu Agricultural University, Kovai Medical College Hospital and Pasteur Institute, Ooty

Date of Visit:

28.04.2022 – 29.04.2022 (Two Days)

Organized by:

Department of Biochemistry

Participants Details:

| S. No. | Category | Number |
|-----------------------|----------|-----------|
| 1. | Boys | 18 |
| 2. | Girls | 25 |
| Total Students | | 43 |

Accompanying Faculty Members

- Dr. S. Subburayalu, Head of the Department, Biochemistry
- Dr. Bhuvaneshwari Santharm, Assistant Professor, Biochemistry

Objectives of the Visit

The field visit was organized with the following objectives:

- To provide practical exposure to plant biotechnology techniques
- To understand clinical biochemistry laboratory practices in hospitals
- To gain knowledge about vaccine production and immunobiological preparations
- To promote experiential and industry-based learning
- To develop scientific and research aptitude among students

Places Visited

Day 1 – 28.04.2022

1. Department of Plant Biotechnology, Tamil Nadu Agricultural University (TNAU)

Students observed:

- Plant tissue culture laboratory setup
- Micropropagation and genetic improvement techniques
- Applications of biotechnology in agriculture
- Modern research facilities and instruments

Experts explained crop improvement strategies and the importance of biotechnology in sustainable agriculture.

2. Kovai Medical College Hospital – Biochemistry Laboratory

Students learned about:

- Diagnostic biochemical tests
- Automated analyzers and laboratory instruments
- Blood and serum analysis procedures
- Quality control and safety practices
- Role of clinical biochemistry in disease diagnosis

Students stayed at the farmers' accommodation inside the TNAU campus.

Day 2 – 29.04.2022

3. Pasteur Institute of India, Ooty

Students gained knowledge about:

- History and establishment of the Pasteur Institute
- Vaccine manufacturing units
- Preparation of rabies and other vaccines
- Fermentation, purification, and quality assurance processes
- Storage and distribution of vaccines

Scientists provided detailed demonstrations on vaccine production techniques.

And also students visited important locations in ooty for educational sightseeing and returned safely to the college in the early morning.

Expected Outcomes

Students were able to:

- Understand plant biotechnology practices
- Gain exposure to hospital-based clinical biochemistry
- Learn vaccine production technology
- Improve laboratory skills and scientific knowledge
- Connect theoretical concepts with real-life applications

Benefits to Students

- Practical and experiential learning
- Exposure to research and hospital laboratories
- Career awareness in biotechnology, diagnostics, and vaccine production
- Enhanced teamwork, communication, and observational skills

Acknowledgement

The Department of Biochemistry expresses sincere gratitude to the **Principal and the Management of K.R. College of Arts & Science** for their continuous support in organizing this educational field visit.

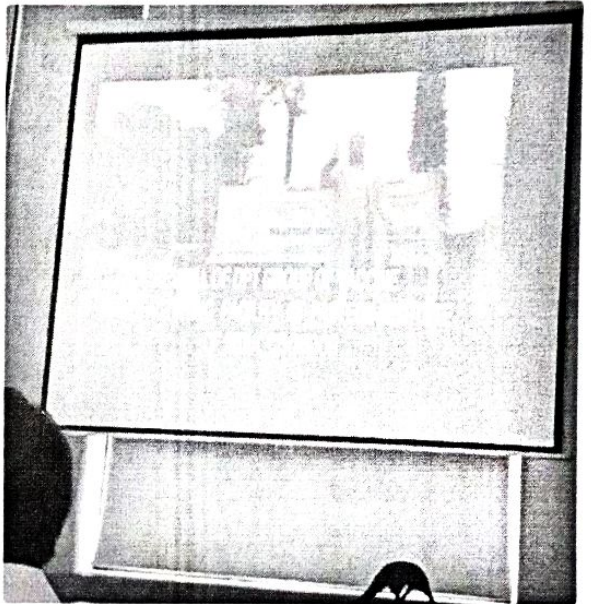
Special thanks to the authorities of **Tamil Nadu Agricultural University, Kovai Medical College Hospital, and Pasteur Institute of India** for their cooperation and guidance.

The department also acknowledges **Dr. S. Subburayalu (HOD)** and **Dr. Bhuvaneshwari Santharm (Assistant Professor)** for accompanying and mentoring the 43 students throughout the visit.

Conclusion

The educational field visit was highly informative and beneficial. It successfully provided hands-on exposure to research, clinical, and industrial applications of biochemistry. Such initiatives enhance experiential learning and align with NAAC quality standards for teaching-learning practices.

PHOTOS



S. Sushu Vagab
HEAD OF THE DEPARTMENT

PRINCIPAL